



FIRST AUSTRALIAN CONFERENCE ON

Industrial Engineering and Operations Management

- Sydney

Venue: Hilton Hotel Sydney

AUSTRALIA

Organizer



December 20-22, 2022

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IEOM Society

"Achieving and Sustaining Operational Excellence"

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Industrial Engineering and Operations Management Society International

IEOM Society International, 21411 Civic Center Dr., Suite 205, Southfield, Michigan 48076, USA

Phone: 1-248-450-5660, Email: info@ieomsociety.org

Welcome to the First IEOM Australia Conference

International Conference on Industrial Engineering and Operations Management

To All-Conference Attendees:

On behalf of the IEOM Society International, we would like to welcome you to the First Australian **International Conference on Industrial Engineering and Operations Management**, December 20-22, 2022, to be held at Hilton Hotel Sydney. This unique international conference provides a forum for academics, researchers, and practitioners from many industries to exchange ideas and share recent developments in the fields of industrial engineering and operations management. This diverse international event provides an opportunity to collaborate and advance the theory and practice of major trends in industrial engineering and operations management. There were more than 650 papers/abstracts submitted from 55 countries. After a thorough peer-review process, more than 400 have been accepted for presentation and publication. The program includes many cutting-edge topics in industrial engineering and operations management.

This conference will address many of the issues concerning the continuous improvement of quality and service. The IEOM Society is delighted to have the following keynote speakers:

1. **Devdas Shetty** Ph.D, PE, Dean, School of Engineering and Applied Sciences, University of the District of Columbia, Washington, DC, USA
2. **Raimo P. Hämmäläinen**, Systems Analysis Laboratory, Aalto University, Finland and Visiting Professor, School of Business and Economics, Loughborough University, UK
3. **Srinath Perera** PhD, Director, Centre for Smart Modern Construction c4SMC, Western Sydney University, Australia
4. **Morris Fan**, Dean, National Taipei University of Technology, Taipei, Vice President and Board Member, Asia Pacific Industrial Engineering and Management Systems Society, Taiwan.
5. **Frank Will**, Founder and CEO, Ino8 Pty Ltd, Victoria, Australia.
6. **Dr Gnana K Bharathy**, Artificial Intelligence and Research Data Specialist, Faculty of Engineering & Information Technology, University of Technology Sydney (UTS), Sydney, Australia
7. **Dr. Ir. Wahyudi Sutopo**, Professor, Industrial Engineering Department, Universitas Sebelas Maret (UNS), Indonesia
8. **Shams Rahman**, Professor of Supply Chain Management, School of Accounting, Information Systems and Supply Chain, RMIT University, Melbourne, Australia
9. **Dr. Mukhamad Najib**, Professor, Education Attaché, Indonesian Embassy in Canberra, Vice Dean, Faculty of Economics and Management, IPB University
10. **Dr. Mohammed Abdur Razzaque**, Professor, School of Business, University of New South Wales (UNSW), Australia
11. **Professor Dr. Abdul Talib Bon**, Department of Production and Operations Management, Universiti Tun Hussein Onn Malaysia, Malaysia

At this conference, the IEOM Society will hold its 35th Global Engineering Education session. It will feature distinguished speakers who will discuss workforce readiness and engineering education challenges and opportunities. The 34th IEOM Industry Solutions will showcase and feature major topics including IoT, AI, Data Analytics, iCloud, Cyber security, Automation, Digital Manufacturing, MSV, and industry best practices. The 14th IEOM Global Supply Chain and Logistics will address the global logistic challenges due to the pandemic. The 5th IEOM Global Business Management will focus on business operations improvement. Panel sessions have been planned: Global Engineering Education, Supply Chain, Women in Industry and Academia, Lean Six Sigma and Diversity & Inclusion sponsored by Ford Motor Company.

The IEOM Society would like to express our deep appreciation to our sponsors, university partners, organization partners, exhibitors, authors, reviewers, keynote speakers, panelists, track chairs, advisors, the local committee, and the many volunteers who have given so much of their time and talent to make this unique international conference an overwhelming success.

Our very best wishes to all of you for a successful and memorable event in Sydney.



Dr. Sami Kara
Honorary Chair
Professor, School of Mechanical &
Manufacturing Engineering
University of New South Wales



Dr. Hasan H. Turan, Conference
Chair, Research Lead at Capability
Systems Centre, University of New South
Wales (UNSW Canberra), Australia



Professor Dr. Azharul Karim,
Conference Co-chair, School of
Mechanical, Medical & Process
Engineering, Queensland University
of Technology, Brisbane, Australia



**Associate Prof. Dr. Matthew
Pepper**, Conference Co-chair,
School of Business, Faculty of
Business and Law, University
of Wollongong NSW 2522
Australia



Dr. Md Mizanur Rahman,
Conference Co-chair,
Adjunct Professor, Imam Abdulrahman
University,
Director of IEOM Australia Operations



Prof. Dr. Ir. Wahyudi Sutopo,
Conference Co-chair, Professor of
Industrial Engineering Department,
Universitas Sebelas Maret, Indonesia
Director of IEOM Asia Pacific Operations



Dr. Ahad Ali, Conference Co-Chair,
Associate Professor
Director of IE Programs
Lawrence Tech, Michigan, USA
Executive Director, IEOM Society

Keynote Speakers

Conference Welcome and Opening: Tuesday, December 20, 2022, 10:00 – 10:20 am

Keynote I (Opening Keynote): Tuesday, December 20, 2022, 10:20 – 11:00 am



Prof. Devdas Shetty Ph.D, PE
Dean, School of Engineering and Applied Sciences
Professor of Mechanical Engineering
University of the District of Columbia, Washington, DC, USA

Dean Shetty joined University of the District of Columbia in 2012, having previously served as Dean of Engineering at Lawrence Technological University and Dean of Research at the University of Hartford. While with the University of Hartford, Dr. Shetty was first Chair of the Vernon D. Roosa Endowed Professorship. In addition, he was the Director of the Engineering Applications Center, through which he established partnerships with more than 50 Connecticut industries. During 2008 and 2009, Dr. Shetty served as Dean of the College of Engineering for Lawrence Technological University in Michigan. During that time, he initiated several new academic programs, established partnerships and contributed to curricular innovation. Prior to coming to Hartford, Dr. Shetty held academic positions at the Albert Nerkin School of Engineering at the Cooper Union for the Advancement of Science and Art in New York City. Dr. Shetty is the author of three books and more than 200 scientific articles and six patents. His books on Mechatronics and Product Design are widely used as

a textbooks in many universities around the world. Dr. Shetty's research work has been cited for original contribution to the understanding of engineering surface measurement, for significant intellectual achievements in mechatronics and for contributions to product design. He is especially well-known for his contributions in establishing partnerships between the University and industries. He is the recipient of academic and research grants from organizations like National Science Foundation, Society of Manufacturing Engineers, US Army, Air force etc.

Dr. Shetty had been leading research efforts in a U.S. Army research project on Unmanned Aerial Vehicles. In partnership with Albert Einstein College of Medicine in New York, he invented the patented mechatronics process for supporting patients. Dr. Shetty has chaired several international conferences and presented keynote lectures. Major honors received by Prof. Shetty include James Frances Bent award for Creativity, the Edward S. Roth National Award for Manufacturing from the Society of Manufacturing Engineers, American Society of Mechanical Engineer Faculty Award, and Society of Manufacturing Engineers Honor award. He is an elected member of the Connecticut Academy of Science and Engineering.

Keynote II: Tuesday, December 20, 2022, 11:00 am – 11:40 am



Prof. Raimo P. Härmäläinen
Emeritus Professor, Systems Analysis Laboratory
Aalto University, Finland
Visiting Professor, Decision Sciences, School of Business and Economics
Loughborough University, UK

Raimo P. Härmäläinen is well known for his publications in behavioral operational research, decision analysis, dynamic game theory and systems thinking with applications in energy and environmental management and participation. He is also the designer of many widely used decision support systems. As a consultant he has helped to solve problems especially in the areas of environmental policy and risk analysis. In 2013 he coined the term Behavioral Operational Research (BOR), which has become an active new research area. He is the founding chair of the European Working Group on BOR. His current interest is focused on modelling and analyzing human behavior in problem solving and in organizational contexts. He initiated research on Systems Intelligence which foregrounds the importance of the human dimension in management and organizational development. He was awarded the INFORMS Group Decision and Negotiation Section Award in 2021 and the

Ramsey Medal in 2019 for his distinguished contributions in decision analysis as well as the MCDM Edgeworth-Pareto Award of the International Society on Multiple Criteria Decision Making. He is the Honorary President of the Finnish OR society.

Keynote III: Tuesday, December 20, 2022, 11:40 am – 12:20 pm



Prof. Shams Rahman
Professor of Supply Chain Management
School of Accounting, Information Systems and Supply Chain
College of Business and Law
RMIT University, Melbourne, Australia

Dr Shams Rahman is a Professor at the Department of Supply Chain and Logistics, RMIT University, Australia, who in 2021 has been recognised among the world's top 2% scholars. Prior to joining RMIT, he worked at the University of Sydney and University of Western Australia. He is a former British Commonwealth scholar who held visiting fellowship at several universities including MIT (Zaragoza Logistics Center), Virginia Tech and University of Exeter. During his academic career which spans over 30 years, Professor Rahman has had a prominent career as an academic and has served in executive and leadership positions for several universities

in research and innovation. He has advised multinational companies and consulting firms on lean manufacturing, remanufacturing, sustainability, food cold chain, and talent management and successfully led several externally funded projects. Professor Rahman is frequently called upon to make presentations for professional bodies and senior executives and run workshops on issues such as supply chain sustainability, talent management in logistics, lean six-sigma, reverse supply chain, and theory of constraints. Professor Rahman is an Associate Editor of the

International Journal of Information Systems and Supply Chain Management and sits on the editorial board of fifteen international journals. He has published over 245 research papers and served as a Guest Editor for several top-ranked journals. Professor Rahman is dedicated to interdisciplinary research and education, and integrated approaches to defining and unravelling supply chain challenges and societal concerns. His current research interest is in supply chain sustainability and disruptive technology, and talent management.

Keynote IV: Tuesday, December 20, 2022, 12:20 – 1:00 pm



Prof. Morris Fan
 Dean, National Taipei University of Technology
 Taipei, Vice President and Board Member
 Asia Pacific Industrial Engineering and Management Systems Society
 Ministry of Science & Technology (MOST), Taiwan

Dr. Morris Fan serves as Dean of Office of International Affairs and is a professor in the Department of Industrial Engineering and Management, National Taipei University of Taiwan. He now serves as the Vice President and Board Member of Asia Pacific Industrial Engineering and Management Society (APIEMS). He was also a Y.S. Hsu Outstanding Professor of Science, Technology and Humanity Category sponsored by Far Eastern Y.S. Hsu Science and Technology Memorial Foundation. Professor Fan received Quality Award sponsored by Chinese Society for Quality (CSQ) and Industry-Academy Cooperation Award sponsored by Ministry of Education (MOE). He received B.S. in Industrial Engineering from Tung-Hai University (1988). He received M.S. in Industrial Engineering from University of Pittsburgh (1992) and Ph.D. in Industrial Engineering from University of Texas-Arlington (1996). He was a Visiting Professor in University of Science and Technology Beijing sponsored by Taipei Tech-USTB Bilateral Cooperation Project during 2017-2019. Professor Fan's research interests include Engineering Statistics & Quality Engineering, Applied Mathematical Programming, Applied Operations Research & Evolutionary Computation, Manufacturing Systems Engineering, and Big Data Analytics & Intelligent Computing. He now serves an Editor-in-Chief of Engineering Optimization (SCI) published by Taylor & Francis since 2020. He used to serve as the Editor-in-Chief of Journal of Quality published by Chinese Society for Quality and an Associate Editor of Journal of Industrial and Production Engineering published by Taylor & Francis.

Wednesday, August 21, 2022

Welcome: Wednesday, December 21, 2022, 10:00 – 10:20 am

Keynote V: Wednesday, December 21, 2022, 10:20 – 11:00 am



Prof. Dr. Ir. Wahyudi Sutopo
 Professor, Industrial Engineering Department
 Universitas Sebelas Maret (UNS)
 Surakarta, Indonesia

Dr. Wahyudi Sutopo is a professor (since April 2020) and Head of Industrial Engineering and Techno-Economics (RITE) Research Group (since January 2014), Department of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret (UNS). He is serving as President of IEOM Indonesia Profesional Chapter (since 2020). Since 2020, he has been assigned as Vice Dean for Human Resources, Finance, and Logistics (2020-2023). He was as deputy dean of the general and financial affairs of the faculty of engineering UNS (2019-2020). He was the head of the industrial engineering undergraduate study program (2015-2019); as an asset auditor of the internal supervisory unit (2014-2019); the head of UNS technology innovation center (2014-2016); and the general chair of the Indonesian industrial engineering higher education institution cooperation agency/BKSTI (2017-2020). He is an Assessor of BAN-PT (Noreg. 2017-01215). He had experience working in the electronics industry as an engineer at PT. Panasonic Manufacturing Indonesia from 2000-2003. His educational background is the profession of an engineer (Ir) from the Professional Engineer Program – Universitas Sebelas Maret (UNS) in 2018; Doctor (Dr) in Industrial Engineering & Management from Institut Teknologi Bandung in 2011; Master of Management (M.Si.) from Universitas Indonesia in 2004, and Bachelor of Industrial Engineering (S.T.) from Institut Teknologi Bandung in 1999. He has professional qualifications as an associate professional engineer (P. Eng) since 2016.

Keynote VI: Wednesday, December 21, 2022, 11:00 – 11:40 am



Prof. Dr. Mohammed Abdur Razzaque
 School of Business
 University of New South Wales (UNSW)
 Sydney, Australia

Professor Mohammed Abdur Razzaque is an Adjunct Academic of Marketing at the UNSW School of Business, Sydney, Australia. He obtained a BSc Engineering degree from the East Pakistan University of Engineering and started his career as an engineer at the Chittagong Steel Mills. He also received a higher diploma in Industrial Consultancy from RVB, Holland. He later earned an MBA from Indiana University, Bloomington, USA, as a Ford Foundation Scholar and completed his PhD from the University of New South Wales, Sydney.

Starting his teaching career at IBA, the University of Dhaka, in 1971, he moved to the University of Khartoum, Sudan (1976), followed by the National University of Singapore (1981) and finally, the University of New South Wales (2001). He was a visiting professor at Rutgers University, New Jersey, USA; Helsinki School of Economics, Finland; and North South University, Bangladesh. Professor Razzaque has supervised many PhD and master's by research and Hons students to successful completion. He has been a highly acclaimed teacher and received several teaching-excellence awards, such as the best teacher at the UNSW Faculty of Commerce (2007), UNSW Vice Chancellor's Teaching Excellence award (2009) and the prestigious Australian Learning and Teaching Citation (2010).

Dr Mohammed Razzaque has authored or co-authored more than one hundred research and conceptual papers, which have been published in reputed internationally refereed journals and conference proceedings. He sits on the editorial boards of several prestigious international journals. He has presented his research works at various international conferences, co-authored a book and contributed chapters to several other edited books. Dr Razzaque has also worked as a marketing consultant for several multinational organisations in the Asia-Pacific region. Dr Mohammed Razzaque has authored four books – three in Bengali and one in English – on areas other than marketing. His latest book – A Nomad in Academia – was published in the USA in 2015.

Keynote VII: Wednesday, December 21, 2022, 11:40 am – 12:20 pm



Prof. Srinath Perera

**Director, Centre for Smart Modern Construction c4SMC
Chair of Built Environment & Construction Management
Western Sydney University, Australia**

Professor Srinath Perera joined Western Sydney University in June 2016 after serving as Professor of Construction Economics at Northumbria University at Newcastle, UK. He currently leads the Construction Management group and the Centre for Smart Modern Construction (c4SMC) at WSU. During his period at Northumbria University he led the Construction Economics & Management Research Group in Faculty of Engineering & Environment. Prior to joining Northumbria University, he was the Course Director leading the Quantity Surveying group at University of Ulster in Northern Ireland from 2003 to 2009. Srinath is a Fellow of the Royal Society of New South Wales (FRSN). He is also a Fellow of the Australian Institute of Building (AIB) and a Chartered Surveyor and a corporate member of the Royal Institution of Chartered Surveyors (RICS) and the Australian Institute of Quantity Surveyors (AIQS). He has worked as a consultant Quantity Surveyors and Project Manager in the construction industry in the private sector. Srinath's career commenced as he graduated

with First Class Honours from the BSc Honours in Quantity Surveying degree at University of Moratuwa, Sri Lanka where he received the Best Graduate Award for topping the cohort in all four years of the programme. Since then he has worked as a consultant quantity surveyor, project manager and as an academic in quantity surveying in Sri Lanka, Ireland, UK and Australia. In 1995 he completed Master of Science in Information Technology (in property & construction) at the University of Salford, UK achieving the Top Student Award. He then went on to complete his doctoral studies in applying Artificial Intelligence techniques in Project Management. He received his PhD in 1997 from the University of Salford, UK.

Keynote VIII: Wednesday, December 21, 2022, 12:20 – 1:00 pm



Dr Gnana K Bharathy

**Artificial Intelligence and Research Data Specialist,
Faculty of Engineering & Information Technology
University of Technology Sydney (UTS), Sydney, Australia**

Gnana Bharathy serves as the ARDC national expert in AI/ML for Australian research and educational institutions, and also works as a researcher, at UTS. In the first role, he works as ARDC Research Data Specialist (AI/ML) (an advisory role in the national expertise team situated at UTS), and provides AI/ML based advice to research institutions. In the second role, he carries out research and supervises/ mentor/ teach students. He is also a member of Centre on Persuasive Systems for Wise Adaptive Living (PERSWADE). Outside academia, Gnana has extensive experience as Design, Decisions and Data Science consulting. Gnana has over 15+ years of experience applying data science (and other advanced analytics approaches), in a powerful combination with design sciences such as design thinking, architecture (business, information, data, product) and diagnostics to add radical transformational value to clients. Gnana has been working in both

pure industry consulting as well as university-based, external consulting in the capacities of modeller/ analyst and project manager in several countries (mostly in United States, Australia, New Zealand, and to a lesser extent in Canada, Jamaica, India and Malaysia). Despite being in non-academic roles most of his career, Gnana has maintained research on a part-time basis, and has published regularly. Some of his research work have been recognized with awards. Gnana has also developed several modelling (human behaviour modelling) and risk management products, including for the governments, health sectors in Australia and USA and has served a range of private sector clients. Gnana was trained at the University of Pennsylvania (PhD, MS), University of Canterbury (ME) and National Institute of Technology (Bachelors with distinction).

Thursday, December 22, 2022

Welcome: Thursday, December 22, 2022, 10:00 – 10:20 am

Keynote IX: Thursday, December 22, 2022, 10:20 – 11:00 am



**Frank Will
Founder and CEO
Ino8 Pty Ltd
Victoria, Australia**

Frank is the founder and CEO of Ino8 Pty Ltd, is an engineering and consulting enterprise, with focus on automotive and internal combustion engines. Ino8's mission is to save lives, like by cleaning the air.

Keynote X: Thursday, December 22, 2022, 11:00 am – 11:40 am



Prof. Dr. Mukhamad Najib

Education Attaché, Indonesian Embassy in Canberra
Vice Chair, IPB SDGs Network
IPB University Risk Monitoring committee
PT BRI Syariah
Vice Dean, Faculty of Economics and Management
IPB University

Mukhamad Najib is a professor of Strategic Marketing and Management at Department of Management, IPB University, Indonesia. He got PhD from The University of Tokyo in the field of Farm Business Management and Rural Development. Besides teaching, he is also active as a speaker and trainer in various scientific seminars, conferences and training as well as conducting research and writing papers for national and international journals. Several books have been written by Najib such as Strategic Management, International Marketing, and Strategic Marketing. He published more than 30 articles in Scopus Indexed journal related to business survival and business sustainability, particularly small and medium business.

Keynote XI: Thursday, December 22, 2022, 11:40 am – 12:20 pm



Professor Dr. Abdul Talib Bon

Department of Production and Operations Management
Universiti Tun Hussein Onn Malaysia (UTHM), Malaysia

Dr. Abdul Talib Bon is Professor of Production and Operations Management in Department of Production and Operations Management at the Universiti Tun Hussein Onn Malaysia (UTHM). He has a PhD in Manufacturing, which he obtained from the Universite de La Rochelle, France. He studied Business Administration major in Quality Management at the master's level in the Universiti Kebangsaan Malaysia for which he was awarded the MBA. He's bachelor degree and diploma in Mechanical Engineering which he obtained from the Universiti Teknologi Malaysia. He received his postgraduate certificate in Mechatronics and Robotics from Carlisle, United Kingdom. He is Director of Teaching Factory since 1 September 2016. Dr. Abdul Talib Bon has had over 33 years experiences of teaching in higher learning education. In UTHM, he teaches Industrial Engineering and Project Management at the under-graduate and postgraduate level. Dr. Abdul Talib Bon has multidisciplinary research interests that encompass industrial engineering, forecasting and Green Supply Chain management. He has completed 25 research grant projects as project leader and research member. He has supervised more than 120 undergraduate and postgraduate research projects. He has served as a reviewer for a number of industrial engineering, engineering management and computer science conferences and journals as part of his expertise sharing initiatives. He had published more than 400 Journals and Proceeding Scopus Indexed and 10 books. He is also Fellow and President of Industrial Engineering and Operation Management Society (IEOMS, Malaysia), Global Council member of Industrial Engineering and Operation Management Society (IEOMS Global), member of Management Science and Operation Research Society of Malaysia (MSORSRM), member of International Association of Engineers (IAENG), member of Institute of Industrial Engineer (IIE), USA, and member of International Institute of Forecasters (IIF).

35th IEOM Global Engineering Education DISTINGUISHED SPEAKERS

December 20, 2022, Tuesday
Global Engineering Education I

2:00 – 3:45 pm, Tuesday, December 20, 2022 – Room 2 (Onsite)

Session Chair:

2:00 pm – 2:20 pm (Tuesday, December 20)



Professor Dr Ataur Rahman

Fellow, Engineers Australia

Member, American Society of Civil Engineers Professor of Water and Environmental Engineering Core Member, Renewable Energy and Water Research Group (Sustainability and Resilience Theme) School of Engineering, Design and Built Environment Western Sydney University, Australia

Prof. Dr. Ataur Rahman is currently serving as the Professor of Water and Environmental Engineering at Western Sydney University, Australia. Prof. Rahman is a world leader in streamflow modelling, water quality assessment, water-related sustainability, rainwater harvesting and climate change impact assessment. He was selected as one of top 2% scientists globally based on 2021 research data. He is one of the top 3 researchers globally on rainwater harvesting. His total publications on various aspects of water and environmental engineering are 486. He is one of the authors of Australian Rainfall and Runoff (ARR), the national guide. He received the G. N. Alexander Medal from Engineers Australia for his outstanding research paper on flood modelling. He developed ARR-RFFE Model, which is used widely across Australia. He is the founder Chair of Scientific, Technological and Management Research, which has organized five successful international conferences to promote scientific research. He served as Expert Peer Reviewer for numerous water projects. He has supervised 20 PhD students to successful completion. He won VC's Excellence Award for PhD student supervision twice. He served as project leader for over ten funded research projects worth over \$2 million. He is in the editorial board of three ISI listed journals. He served as the Co-Chair of Water Education Committee of Australian Water Association. He is a Fellow of The Institution of Engineers Australia. His total citations in Google Scholar are 6363 with an h-index of 38. He is serving in the editorial board of three ISI listed journals.

2:20 pm – 2:40 pm (Tuesday, December 20)



Dr Adnan Syed Muhammad

B.E., M.Eng.Sc., M.Eng., M.B.A., Ph.D.

Founder and Executive Director

Academic Leadership Institute Australia
Sydney, Australia

Adnan is the Founder and Executive Director of Academic Leadership Institute Australia, a 'for-purpose organisation established to support researchers around the world with a primary focus to bridge the research excellence gap between the developing and the developed world. Adnan has extensive experience working in the industry and in the university sector. He is skilled in strategic planning, operations management, strategic partnerships, and business and research development. He has worked at multinational companies such as Siemens and ABB. He

has also worked for six Australian Universities including three Go8 universities, the Australian National University, the University of Sydney, and the University of New South Wales. He has worked as Chief Operating Officer for two multi-university collaborative research centres including the ARC Centre of Excellence in Vision Science and the Centre for International Finance and Regulation. He has worked as Research and Business Development Manager at La Trobe University helping academic staff in their research development, external research grants and industry engagement activities.

Adnan has an MBA and a PhD. He did his PhD in the area of management of R&D alliances focussing the university-industry partnerships. He also holds two postgraduate degrees in biomedical engineering from NTU, Singapore and UNSW, Sydney where he worked on computer modelling and simulation projects for human renal system and selective stimulation of nerve fibers for patients with spinal cord injuries.

2:40 pm – 3:00 pm (Tuesday, December 20)



Cerasela TANASESCU

Director, Accelerator Programs

La Trobe Innovation and Entrepreneurship

La Trobe University

Melbourne, Victoria, Australia

Cerasela, the director of the La Trobe University Accelerator Program, has been one of our advisors from early on. She has years of experience working in universities' incubators as a senior manager, as well as holding several senior management positions at ESSEC Business School in Paris

3:00 pm – 3:20 pm (Tuesday, December 20)



Dr. Sheikh Khaleduzzaman Shah, MIEAust, MAIE
 Researcher, Monash University
 Energy Consultant, Global Buildings Performance Network (GBPN)
 Melbourne, Victoria, Australia

Sheikh Khaleduzzaman Shah has successfully graduated with his PhD degree on April 03, 2020, from the Department of Infrastructure Engineering, The University of Melbourne, Australia. His main areas of research and expertise are energy engineering, building physics and HVAC design and assessment, building energy technologies, efficient building performance, sustainability design and assessment, solar thermal and PV, geothermal, energy storage system, zero energy and climate resilience planning and assessment. Sheikh building energy and energy efficiency experiences include theoretical knowledge and practical skills on the design of experiments, computer modelling, validation, simulation and optimisation of the different complex built environment energy systems. His engineering skills and competencies are assessed by Engineers Australia.

3:20 pm – 3:40 pm (Tuesday, December 20)



Dr. Ali Jaafari
 Senior Consultant and Director
 JCS, Sydney, New South Wales, Australia

Dr Jaafari is an author, academic, practitioner and consultant, recognised internationally, particularly in management of large complex projects and programs. He served as an academic and researcher at the University of Sydney in Australia for 24 years, and was appointed to a Professorial Chair in 2000, in recognition of his contributions to the research and education of students and practitioners, as well as his widespread global contribution to knowledge in this field. He has delivered courses and training workshops to thousands of professionals and executives globally, including major public and private sector organisations. Dr Jaafari has published widely in major international journals and conferences, books and monographs. He has been at the forefront of research and development of project, program and organisation management. Currently, he acts as a consultant in the field of project and program management, though he has held leadership positions in higher education for over 15 years. Dr Jaafari has an extensive professional track record in business and project management, and is known as an authority internationally.

Global Engineering Education II

4:00 – 5:45 pm, Tuesday, December 20, 2022 – Room 2 (Onsite)

Session Chair: Dr. Hasan H. Turan, Lecturer and Research Lead at Capability Systems Centre, University of New South Wales (UNSW Canberra), Australia

4:00 pm – 4:20 pm (Tuesday, December 20)



Professor Dr. Azharul Karim
 Faculty of Engineering, School of Mechanical, Medical & Process Engineering
 Queensland University of Technology (QUT), Brisbane, Australia

Dr Azharul Karim is currently working as a Professor in the Mechanical Engineering Discipline, Science and Engineering Faculty, Queensland University of Technology, Australia. He received his PhD degree from Melbourne University in 2007. Through his scholarly, innovative, high quality research, he has established a national and international standing. Dr Karim has authored over 200+ peer-reviewed articles, including 125+ high quality journal papers, 13 peer-reviewed book chapters, and five books. His papers have attracted about 6400+ citations with h-index 40. His research has very high impact worldwide as demonstrated by his overall field weighted citation index (FWCI) of 2.09. He is editor/board member of six reputed journals including Drying Technology and Nature Scientific Reports. Dr Karim has supervised 20 PhD students to completion and is currently supervising 8 PhD and 3 MPhil students. He has been keynote/distinguished speaker in 22 international conferences and invited/keynote speaker in seminars 20 reputed universities worldwide including Oxford University and National University of Singapore. He has won multiple international awards for his outstanding contributions in multidisciplinary fields. Prof. Karim is the inventor of energy and water efficient ultrasonic washing machine (patent WO02089652) and Ultrasonic dishwasher (patent WO0229148). Dr Karim's global leadership in advanced drying methods is evident by the high impact of his papers, which is significantly higher than world averages. He is the recipient numerous national and international competitive grants amounting \$3.32 million, including Advanced Queensland Fellowship (AQF), ARC Linage and ARC Discover as 1st Cl. He is also a leader in innovatively applying 'Lean Manufacturing' concepts in hospital emergency departments to reduce long waiting times and optimize resources. His current research areas are multiscale and multiphase modelling of food drying, Nano fluid solar thermal storage, concentrating PV-thermal collector, Lean Healthcare Systems, and Engineering Education.

4:20 pm – 4:40 pm (Tuesday, December 20)



Adriano de Freitas
 Visitor PhD Scholar
 Monash University
 Melbourne, Victoria, Australia

Adriano Gomes de Freitas is a visiting Ph.D. scholar at Laboratory for Simulation and Modelling of Particulate Systems (SIMPAS) at Monash University, Australia. He also was an Erasmus+ exchange Ph.D. at the Department of Mechanical and Energy Systems Engineering at University of Bradford, United Kingdom. He is a Ph.D. candidate in the Energy Program at Federal University of ABC, Brazil. M.Sc. in Engineering and Management of Innovation (2018) and a B.Sc. in Management Engineering (2016) from the same university.

4:40 pm – 5:00 pm (Tuesday, December 20)

**Yousaf Bin Zikria, Ph.D. SMIEEE**

Assistant Professor of Information and Communication Engineering
Yeungnam University, Gyeongsan, South Korea

Yousaf Bin Zikria (Senior Member, IEEE) is currently working as an Assistant Professor with the Department of Information and Communication Engineering, Yeungnam University, South Korea. He authored more than 100 refereed articles, conference papers, book chapters, and patents. His journal article's cumulative impact factor (IF) is more than 300. He published articles at the top venue, including IEEE Communications, Surveys, and Tutorials, IEEE Wireless Communications Magazine, IEEE Network, IEEE Transactions on Intelligent Transportation Systems, Future Generation Computer Systems (Elsevier), Sustainable Cities and Society (Elsevier), and Journal of Network and Computer Applications (Elsevier). He has managed numerous FT/ST in SCI/E indexed journals. His research interests include the IoT, 5G, machine learning, wireless communications and networks, WSNs, routing protocols, CRAHN, CRASN, transport protocols, VANETS, embedded systems, and network and information security. He also held the prestigious CISA, JNCIS-SEC, JNCIS-ER, JNCIAER, JNCIA-EX, and Advance Routing Switching and WAN Technologies certifications. He has been listed in the world's top 2% of researchers published

by Elsevier and Stanford University.

5:00 pm – 5:20 pm (Tuesday, December 20)

**Dr. Ahad Ali**

Associate Professor and Director of Industrial Engineering Program
Director, Graduate Certificate in Lean Six Sigma

A. Leon Linton Department of Mechanical, Robotics and Industrial Engineering
Lawrence Technological University, Southfield, Michigan, USA

Dr. Ahad Ali is an Associate Professor, Director of Bachelor of Science in Industrial Engineering and Master of Science in Industrial Engineering in the A. Leon Linton Department of Mechanical Engineering at the Lawrence Technological University, Michigan, USA. Dr. Ali is the Director of Smart Manufacturing and Lean Systems Research Group. He earned B.S. in Mechanical Engineering from Khulna University of Engineering and Technology, Bangladesh, Master in Systems and Engineering Management from Nanyang Technological University, Singapore and Ph.D. in Industrial Engineering from University of Wisconsin-Milwaukee. Dr. Ali is the Executive Director of IEOM Society and Conference Chair of the International Conference on Industrial Engineering and operations Management. He supervised 11 doctorate students in Doctor of Engineering in Manufacturing Systems. Dr. Ali has published 60 journal and 150 conference papers. Dr. Ali has done research projects with Chrysler, Ford, DTE Energy, Delphi Automotive System, GE Medical Systems, Harley-Davidson Motor Company, International Truck and Engine Corporation (ITEC), National/Panasonic Electronics, and Rockwell Automation. His research interests include quality, reliability, six sigma, manufacturing, simulation, optimization, scheduling, maintenance, e-manufacturing, lean, supply chain and logistics. He is a member of ASEE, IEEE, IEOM, INFORMS, and SME.

5:20 pm – 5:40 pm (Tuesday, December 20)

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5th IEOM Global Business Management Education / Plenary

DISTINGUISHED SPEAKERS

Global Business Management Education I

8:00 – 9:45 am, December 20, 2022 – Room 2 (Onsite)

Session Chair: Dr. Matthew Pepper, School of Business, Faculty of Business and Law, University of Wollongong NSW, Australia

8:00 – 8:20 am, Tuesday, December 20, 2022

Dr. Dr. Ir. Meilita Tryana Sembiring, ST.MT. IPM
Associate Professor
Secretary of Magister Management Program
Universitas Sumatera Utara
Medan Indonesia



Dr. Ir. Meilita Tryana Sembiring, ST, MT is an Associate Professor and Secretary of Magister Management Program, Universitas Sumatera Utara, Medan, Indonesia. Also, she is a Lecturer in Industrial Engineering Department at Universitas Sumatera Utara, Medan, Indonesia. Dr. Meilita received her Doctoral from Institut Pertanian Bogor (IPB) in 2015 and her Master's Degree from Institut Teknologi Bandung (ITB) in 2004. She received her bachelor's degree in Industrial Engineering and is currently an active lecturer since 1997 at the Department of Industrial Engineering, Engineering Faculty, Universitas Sumatera Utara. She is the Chairman of the Industrial Engineering Cooperation Agency (BKSTI) for North Sumatra – Aceh Region and is a member of the ISLI (Indonesian Supply Chain Association). She is an expert team of Higher Education Service Institutions in Region I. She was appointed Chair of the Industrial Engineering Department for five years, from 2017 to 2022 and has successfully obtained coaching certification in 2020. She has participated in the counterpart training of the Higher Education Development Support (HEDS) Project in Indonesia at Toyohashi University of Technology, Nagoya, Japan. Several Ph.D. graduates and a few Masters or other postgraduates are presently working under her watch. As a Principal Researcher at USU, she has received several million grants from internal and government subsidies for participating in community service activities. Dr. Meilita has written dozens of Scopus-indexed research articles on processing in the palm oil sector and other fields. Also, Her main research interest is in Supply Chain Management (SCM), especially regarding Palm Oil and coffee. One of her studies was about Palm Oil Based Biodiesel Supply Chain Model and her research on Palm Oil Supply Chain. She has authored and co-authored several papers on these subjects. She has published more than 51 papers in journals and international conferences. She has completed the supervision of 51 Master's Students since 2006, over 80 Undergraduate Students since 2008 and working on the supervision of 5 Doctoral Students.

8:20 – 8:40 am, Tuesday, December 20, 2022

Dr. Matthew Pepper
Associate Professor
Director, Centre for Supply Chain Research
School of Business, Faculty of Business and Law, University of Wollongong NSW
2522 Australia



Matthew's research centred on the design and application of continuous improvement frameworks in process industry supply chains. Recent research and consultancy activities focus on lean thinking, six sigma based process improvement and supply chain design and optimisation. Matthew has undertaken research and consultancy across a range of industry sectors, including the manufacturing and process industries as well as local government. Most recently his work has focused on the implementation of continuous improvement in service environments. Matthew is a member of the Editorial Advisory Boards for the Journal of Manufacturing Technology Management, the International Journal of Lean Six Sigma, International Journal of Information

and Operations Management Education and an Associate Editor for the IIMK Society and Management Review Journal.

8:40 – 9:00 am, Tuesday, December 20, 2022

Dr. Russell Toth
Senior Lecturer of Development Economist
University of Sydney
Sydney, NSW, Australia



Russell Toth is a Senior Lecturer (aka. Assistant Professor) in the School of Economics at the University of Sydney, Australia. He originally hails from Vancouver, British Columbia, Canada. He holds a Bachelor of Arts (honours, summa cum laude, Humanities), from Roberts Wesleyan College, a Master of Science (Mathematical Economics) from Southern Illinois University-Carbondale, and a Master of Arts (Economics) and Ph.D. (Economics) from Cornell University.

Russell is a development economist, with primary research interests in the economics of entrepreneurship in developing and emerging market countries. He has been involved in economics research in Myanmar since 2013.

He has recently published research on competition amongst microenterprises, the economics of poverty traps, and the role of cash transfers and mentorship to support microenterprises owned by ultra-poor women in Kenya. He has presented research at international universities including Harvard, Melbourne, MIT, Oxford, and Yale, and given invited lectures in Indonesia, Kenya, Myanmar, and the Philippines.

At the University of Sydney his teaching is primarily focused in development economics, at both the undergraduate and graduate levels. He has also developed an innovative course on Communication in Economics for post-graduate students. He has worked as a consultant on behalf of parties

including the Government of Indonesia and the Asian Development Bank. He is a member of the Economic and Social Development area at the Sydney Southeast Asia Centre, an academic staff affiliate of the Department of Indonesian Studies at the University of Sydney, and an affiliate of the Small and Medium Enterprise Initiative at Innovations for Poverty Action.

9:20 – 9:40 am, Tuesday, December 20, 2022



Prof. Sardar M. N. Islam (Naz) Ph. D., LL. B. (Law)
Professor, ISILC, Victoria University, Melbourne, Australia
Distinguished Visiting Professor of Artificial Intelligence, UnSri
Adjunct Professor of IT and Business, Armstrong Institute, Melbourne
Editor-in-Chief of "IAIC Transactions on Artificial Intelligence"

Professor Sardar M.N. Islam has lived, studied, worked and travelled (extensively) in different countries over a long period of time. He adopts a global and humanistic approach in his research and academic works. In his research, he has undertaken rigorous scientific studies of universal and emerging issues in several disciplines. Currently, he is a Professor at Victoria University's Institute for Sustainable Industries and Liveable Cities. He was a Professor of Business, Economics and Finance from 2007 to 2017, and has had many years of academic work experience in teaching, supervision, and multi-disciplinary research. He has published extensively across a broad range of disciplines. His research has attracted international acclaim, leading to a number of appointments as distinguished visiting professor, visiting professor or adjunct professor in artificial intelligence, accounting, industrial engineering, finance, economics and management in several different countries. Professor Islam has also received a many invitations to address international conferences as a keynote speaker. He has published articles in leading international journals including: Review of Quantitative Finance and Accounting, Journal of Optimisation Theory and Applications, Journal of Management and Industrial Optimisation, Annals of Operations Research, Applied Mathematical Modelling, Economic Modelling and Journal of Modelling in Management. He has published a large number of research books in artificial intelligence and digitalisation, game theory, operations research, supply chain management, accounting, finance, business, economics and law. Each of these books makes significant scientific contributions to the literature. These books are published by prestigious publishers and the majority of his books are published in highly regarded book series. His interest and expertise are: artificial intelligence, machine learning and data analytics, game theory, agency theory and mechanism design finance, advanced econometrics, economics/health economics, accounting and corporate governance, management science/applied quantitative methods, supply chain management/applied industrial engineering/operations management, engineering analytics and management, business and marketing analytics and law.

9:40 – 10:00 am, Tuesday, December 20, 2022



Professor Ir. Dr. Mohammad Yeakub Ali
Mechanical Engineering Programme
Faculty of Engineering
Universiti Teknologi Brunei Brunei Darussalam
Editor-In-Chief: International Journal of Engineering Materials and Manufacture

Mohammad Yeakub Ali is a Professor in Mechanical Engineering at Universiti Teknologi Brunei since 2019. He was a Professor in the Department of Manufacturing and Materials Engineering at International Islamic University Malaysia where he works for 15 years. He earned B.S. in Mechanical Engineering from Bangladesh University of Engineering and Technology, Dhaka, Masters in Manufacturing Systems Engineering from Asian Institute of Technology, Thailand, and PhD. in Mechanical Engineering from Nanyang Technological University, Singapore. He has published more than 250 articles in journal and conference proceedings. His research interests include manufacturing systems, optimization, scheduling, machining, micromachining as well as engineering education. He has supervised many postgraduate students at Masters and PhD level. Recently, he was the technical chair of very successful Brunei International Conference on Engineering and Technology (BICET) 2021. Prof Ali has contributed to biannual International Conference on Advances in Manufacturing and Materials Engineering as a Conference Chair, Technical Chair and Publication Chair since 2012. Prof Ali is a Chartered Engineer with the Engineering Council UK, Chartered Professional Engineer with Engineers Australia, Professional Engineer with the Board of Engineers Malaysia and Professional Engineer with Bangladesh Professional Engineers Registration Board. He is also the member of many professional societies including ASME, IEOM, and IEM.

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Dr. Sami Kara, Professor, School of Mechanical & Manufacturing Engineering, University of New South Wales (UNSW), Sydney, New South Wales, Australia

Conference Chair

Dr. Hasan H. Turan, Lecturer and Research Lead at Capability Systems Centre, University of New South Wales, Canberra, Australia

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Associate Professor Dr. Matthew Pepper, School of Business, Faculty of Business and Law, University of Wollongong NSW 2522 Australia

Dr. Ahad Ali, Associate Professor and Director of Industrial Engineering Program, Lawrence Technological University, Michigan, USA and Executive Director of IEOM Society International

Prof. Dr. Ir. Wahyudi Sutopo, ST, M. Si, Professor of Industrial Engineering Department, Universitas Sebelas Maret (UNS), Surakarta, Indonesia and Director of IEOM Asia Pacific Operations

Dr. Md Mizanur Rahman, Adjunct Professor, Imam Abdulrahman University, and Director of IEOM Australia Operations.

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Dr Imran Ali, Lecturer in Operations and Innovation Management, School of Business and Law, Central Queensland University (CQU), Melbourne, VIC 3000, Australia

Professor Kannan Govindan, Chair of Operations & Supply Chain Management, Head, Centre for Sustainable Supply Chain Engineering, Department of Technology and Innovation, University of Southern Denmark, Odense, Denmark

Technical Chair

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Women in Industry and Academia Chairs

Ashini Soysa, Import and Export Coordinator at General Mills, Chadstone, Victoria, Australia

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Dr Sabrina Fawzia, Senior lecturer, Faculty of Engineering, School of Civil & Environmental Engineering, Queensland University of Technology (QUT), Australia

IEOM Global Business Management Education Chairs

Associate Professor Dr Ferry Jie, School of Business and Law, Edith Cowan University, Western Australia, Australia

Track Chairs

Artificial Intelligence

Dr Santoso Wibowo, Associate Professor, Centre for Intelligent Systems, School of Engineering and Technology, Central Queensland University, Australia.

Automation and Agility/Artificial Intelligence for Supply Chain/Automotive Manufacturing Systems

Dr Ripon K. Chakraborty, Lecturer (Assistant Professor), Leader and Founder of Decision Support & Analytics Research Group, School of Engineering & Information Technology, UNSW Canberra, Australia.

Business Management

Dr Matthew Pepper, Associate Professor, School of Business, Faculty of Business and Law, University of Wollongong NSW 2522 Australia

Case Studies

Associate Professor Ambika Zutshi, HDR Director, Department of Management Chair, Deakin University, Australia

Construction Management

Dr Xiaohua (Sean) Jin, Assoc Prof in Project Management, Director of Project Management Programs, School of Engineering, Design & Built Environment, Western Sydney University, NSW, Australia

Cyber Security

Dr. Shamsul Huda, Lecturer in Computer Science, Cyber Security Research and Innovation Centre (CSR), School of Information Technology, Faculty of Science Engineering and Built Environment, Deakin University, Burwood, Victoria, Australia

Data Analytics / Business Analytics

Dr Spring Zhou, Lecturer, Operations Discipline Group, School of Management, Operations and Marketing, Faculty of Business, University of Wollongong

Decision Sciences/Design and Analysis

Dr Sanjoy Paul, Program Director, Master of Strategic Supply Chain Management programs, Senior Lecturer, UTS Business School, University of Technology Sydney, Australia

Defense and Aviation

Dr Muntaz Karatas, Professor of Operations Research, Department of Industrial Engineering, National Defence University, Turkish Naval Academy, Turkey

Energy

Associate professor Dr Jukka Paatero, LUT School of Energy Systems, Lappeenranta-Lahti University of Technology (LUT), Finland

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Professor Jan-Harm Christiaan Pretorius, Postgraduate School of Engineering Management, University of Johannesburg, South Africa

Engineering Management

Dr Ki Pyung Kim, Senior Lecturer, UniSA STEM, City East Campus, University of South Australia

Environmental Systems Engineering

Dr. Md. Mofijur Rahman, Faculty of Engineering and Technology University of Technology Sydney, NSW 2007, Australia

Healthcare Operations and Services

Dr Reema Harrison, Associate Professor, Centre for Health Systems and Safety Research, Australian Institute of Health Innovation, Faculty of Medicine, Health and Human Sciences, Macquarie University, NSW 2109, Australia

Information Systems and Management

Dr Nagesh Shukla, Senior Lecturer, School of Professional Practice and Leadership, Faculty of Engineering and IT, University of Technology Sydney, NSW 2007 Australia

Innovation

Karla Alvarez-Urbe, School of Engineering, Faculty of Sci Eng & Built Env, Deakin University, Melbourne, VIC

Inventory Management

Dr Reza Kiani Mavi, Senior Lecturer, the School of Business and Law, Edith Cowan University, WA 6027, Australia

Logistics

Dr. Priyabrata Chowdhury, Lecturer (ECDF) in Supply Chain Management, School of Accounting, Information Systems and Supply Chain, College of Business, RMIT University, Melbourne, Australia

Manufacturing

Professor Ir. Dr. Mohammad Yeakub Ali, Mechanical Engineering Programme, Faculty of Engineering, Universiti Teknologi Brunei Brunei Darussalam

Mathematical Modeling/Heuristics

Dr Feng-Jang Hwang, Senior Lecturer, Operational Research, School of Mathematical and Physical Sciences, University of Technology Sydney.

Modeling and Simulation

Dr Sean Arisian (née Sobhan Asian), Senior Lecturer, La Trobe Business School, La Trobe University, Australia

Operations Management

Dr. Lusheng Shao, Associate Professor of Operations Management, Department of Management and Marketing, the University of Melbourne, Australia

Operations Research

Dr Xin Ma, Associate Professor, Operations and Supply Chain Management, Department of Management, Monash University, Australia

Optimization

Dr Amany Mohamed Mamdouh AKL, Capability Systems Centre, School of Engineering and IT, University of New South Wales (UNSW), Canberra, Australia

Project Management

Prof. Dr. Frank Schultmann, Professor of Complex Project Management, Adelaide Business School, The University of Adelaide, Adelaide, Australia

Quality

Dr Suraiya Binte Mostafiz, Senior Research Fellow, School of Bioscience, University Technology Malaysia (UTM), Malaysia.

Reliability

Dr. Gopinath (Gopi) Chattopadhyay, Maintenance and Reliability Engineering, Federation University Australia, VIC 3841, Australia, Chair of Asset Management Council Australia, Gippsland Chapter.

Supply Chain / Supply Chain Sustainability / Green Supply Chain

Dr Imran Ali, Lecturer in Operations and Innovation Management, School of Business and Law, Central Queensland University (CQU), Melbourne, VIC 3000, Australia

Sustainability

Dr Mohsin Malik, Senior Lecturer & Director – Master of Project Management, Swinburn Business School, Swinburn University of Technology, Australia.

Statistical Process Monitoring

Dr Samrad Jafarian-Namin, Industrial Engineering Department, Faculty of Engineering, Yazd University, Iran; and Visiting Professor, Faculty of Engineering, University of Mohaghegh Ardabili, Iran.

Systems Dynamics

Dr Oz Sahin, Senior Research Fellow, Cities Research Institute, Griffith University, Gold Coast, Queensland, Australia.

Systems Engineering

Dr Sumana Biswas, Associate Fellow of the Higher Education Academy (AFHEA), Research Associate, Capability Systems Centre School of Engineering and Information Technology, University of New South Wales, Canberra

Total Quality Management

Prof. Dr. M. Shamsuzzaman, Department of Industrial Engineering and Engineering Management, College of Engineering, University of Sharjah, Sharjah, UAE

Transportation and Traffic

Dr Cafer Avci, National Electric Vehicle Sweden, NEVS, Saabvägen 5, SE-461 38 Trollhättan, Sweden.

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Shams Rahman, RMIT University, Melbourne, Vic

Sagheer Ranjha, Swinburne University of Technology, Hawthorn, Victoria

Roesfiansjah Rasjadin, RMIT University (Bundoora East Campus), Melbourne, Victoria

Sahani Rathnasiri, Victoria University, Melbourne, Victoria

Amrit Sagoo, RMIT University, Australia Melbourne, Victoria

Premaratne Samaranyake, University of Western Sydney, Penrith, NSW

Aparna Samaraweera, University of South Australia, Adelaide, South Australia

Frank Schultmann, Adelaide Business School, The University of Adelaide,

Adelaide SA, Australia

Mohammad Abdullah Shaikh, Deakin University Burwood East, Victoria

Nirajan Shiwakoti, RMIT University, Melbourne, VIC

Md. Rezaul Hasan Shumon, RMIT University, Melbourne Victoria

Dumindu Soorige, Deakin University, Geelong, VIC

Ikram Ul Haq, Deakin University Australia, Ballarat, Vic

Raghavendra Vasudeva Upadhyaya, Central Queensland University –

Melbourne campus, Melbourne, Victoria

Mark Wiggins, Macquarie University, North Ryde, New South Wales

Joseph Wood, Curtin University, Bentley, WA

Yong Wu, Griffith University, Southport, Queensland

Krystina Yen, University of New South Wales, Sydney, New South Wales

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Sayed Ashkan Zarghami, Entrepreneurship, Commercialisation & Innovation Centre (ECIC), Adelaide South Australia

Rafed Zawawi, UTS, Chippendale, NSW

Student Volunteers

Anuja Shevatkar, Postgraduate student, Faculty of Engineering, Queensland University of Technology, Brisbane, Australia

Apoorwa Gaigawale, Postgraduate students, Faculty of Engineering,

Queensland University of Technology, Brisbane, Australia

Pranshu Kulkarni, Postgraduate students, Faculty of Engineering

Queensland University of Technology, Brisbane, Australia

34th IEOM Industry Solutions and Industry 4.0

Distinguished Speakers

Industry Solutions and Industry 4.0: I

December 21, Wednesday, 2:00 – 3:45 pm – Room 2 (Onsite)

Session Chair: Sang Tran, Monash University, Melbourne, Victoria, Australia and Operational Excellence, STADA Group, Vietnam

2:00 pm – 2:20 pm (Wednesday, December 21)



Pringgo Widyo Laksono, Ph.D. Eng.

Associate Professor in Industrial Engineering

Head of Engineering Profession Program

Director of Center for Research in Manufacturing Systems

Former Director of Center for Research and Technology Development and Industrial

Collaboration, Production System Laboratory

Industrial Engineering Department, Faculty of Engineering

Universitas Sebelas Maret, Surakarta, Indonesia

Pringgo Widyo Laksono is an associate professor in Industrial Engineering. Since 2005, he joined as researcher at Production System Laboratory, Faculty of Engineering, Universitas Sebelas Maret, Indonesia. He earned B.E. in Industrial Engineering from Universitas Diponegoro and M.Eng. in Mechanical and Industrial Engineering from Universitas Gadjah Mada, Indonesia. He was received a degree Doctor of Philosophy in Engineering from Gifu University, Japan. He has successfully supervised over than 30 undergraduate students and several Master and Ph.D students. Dr. Eng. Pringgo has involved with many international conferences such as ICEVT, ICIMECE, APCOM- IMEC (IEEE and AIP conference) and National conference committees. He has published 21 papers in journals and 37 conferences articles. His research interests are automation and production development systems engineering, human-machine interaction, intelligent machine, human factors engineering, robotics, and control system engineering. Currently, Dr. Eng. Pringgo Widyo Laksono is conducting research in Human-Automation Interaction based on bio-signal.

2:20 pm – 2:40 pm (Wednesday, December 21)



Dr Ihfasuziella Ibrahim

Researcher, Construction Research Institute of Malaysia (CREAM)

Kuala Lumpur, Malaysia

Ihfasuziella Ibrahim is a Researcher at Construction Research Institute of Malaysia (CREAM). CREAM is a research institute established under the Construction Industry Development Board (CIDB), which she joined in February 2013. Ihfasuziella received her Bachelor Science in Real Estate Management with Honors from UTHM, Johor in 2009. Upon completing her studies, she has been a research assistant in University Tun Hussein Onn Malaysia (UTHM) in 2010 under the Technology Management & Business Faculty. Due to high enthusiasm and encouragement for continuing studies, Ihfasuziella have been offered a place at University Tun Hussein Onn Malaysia entering master's level on Science in Property and Facilities Management in 2010. The title of her thesis is "Development of Space Charging Model in Malaysian Higher Education Institutions".

Ihfasuziella completed her Doctorate of Philosophy (PhD) in Facilities Management from MARA University of Technology (UiTM) under Faculty of Architecture, Planning and Surveying in 5 years and graduated in 2021. The title of her PhD thesis is 'Development of Shopping Centre Classification Model using Analytical Hierarchy Process (AHP)'. She is also a member in Malaysian Association of Facilities Management (MAFM). Her research interests are currently in the areas of facilities management, property management, performance management, construction management and Industrialised Building System (IBS). She was published papers in the local and international conference, seminars, journals, articles, and chapter in books. She was involved with the development of a module entitled Technology and Innovation in Facility Management (SMT15103) in 2016 for Open University Malaysia (MSc Program) and Facilities Management module for CIDB. She also involved in book publishing entitled Facilities Management Initiatives and Empowerment for Construction Industry in Malaysia in 2021, Construction Law Report for Edition 2019 until 2021 and Managing Property and Facilities in Higher Education Institutions (Chapter 3-Space Management for an Effective Space Usage for Class Rooms in Academic Buildings in 2016).

2:40 pm – 3:00 pm (Wednesday, December 21)



Kim Sang Tran

PhD Candidate – Monash University, Melbourne, Victoria, Australia

Vice President – Bilal Global Management Consulting (BGMC)

Past – Senior Deputy Head – Operational Excellence, STADA Group, Vietnam

Kim Sang Tran is a PhD candidate at Monash university, Vice President at Bilal Global Management Consulting (BGMC). He holds a B.S in Mechanical Engineering (Honours) from Vietnam National University – HCM and a Msc in Intelligent Micro/Nano in Konkuk university, South Korea. Mr. Kim Sang was an Engineering Assistant Manager at R&D Center, Hyosung Vietnam company. He also worked as Senior Manufacturing Engineer at Robert Bosch Vietnam before working for Stada Group as Senior Deputy Head of Operational Excellence where he received a best employee award from Stada company, he has hands-on experience in Lead Auditor, Quality management, Global integrity strategy. He is also a Global senior consultant for BGMC and joins many consultant projects for

companies in various nations. Mr. Kim Sang has certified Lean Six Sigma Black Belt from Six Sigma Management Institute. He has carried out the training course for professional problem solving (8D), Quality management systems, and Continuous improvement. He is working as a PhD candidate at Monash University in Australia and he has published 2 journal and 4 conference papers. His research interests include manufacturing optimization, lean manufacturing, continuous improvement, micro/nano positioning manipulation and control system.

3:00 pm – 3:20 pm (Wednesday, December 21)

**Mansoor Ahmed**

MEP Engineer at ZIE, PC, MSc Mech. Eng. , US, MSc Eng. Mech., Sweden, alley Stream, New York, United States

Mansoor Ahmed has accomplished professional engineer with over 14 years of industrial and academic experience in Design, Development and Quality Assurance. Project Management within the industry and educational sectors. Excellent in cross-functional team's formation and leadership skills for interdisciplinary collaborative projects. The proven track record for delivering turnkey projects from conceptual design to commissioning. Goal-oriented engineer with excellent communication, problem-solving skills, and ability to work under pressure.

3:20 pm – 3:40 pm (Wednesday, December 21)

**Puan Khairunnisa Kamaruzzaman**

Researcher, Construction Research Institute of Malaysia
Kuala Lumpur, Malaysia

Khairunnisa Kamaruzzaman is a Researcher cum Special Officer at Construction Research Institute of Malaysia (CREAM). She is responsible for gathering, organizing, and reviewing the information needed for a particular topic, analyzing data, collecting, and comparing resources, ensuring facts, sharing results with the entire research team, following required methods, conducting fieldwork as needed, and keeping important information confidential. Knowledgeable of current market trends and aligns findings with research objectives. She has strong communication skills, strong attention to detail, and good time management skills to meet deadlines with

minimal supervision. Researches, prioritizes, and follows up on incoming issues and concerns directed to the CEO, including those of a sensitive or confidential nature, and determines the appropriate course of action, referral, or response. With nearly 5 years of professional experience in the construction industry, she worked as a civil and structural engineer before starting her current job as a researcher in the construction field at CREAM. She is responsible for the planning, design, and construction management of numerous structural and site related projects in Kuala Lumpur. Khairunnisa Kamaruzzaman holds a Bachelor (Hons) degree in Civil Engineering (2014) and an MSc in Project Management (2015) from the University of Science Malaysia (USM). Her area of study during the master's programme focuses on civil and structural failures in the construction industry in Malaysia.

Industry Solutions II – Lean Six Sigma

December 21, Wednesday, 4:00 – 5:45 pm – Room 2 (Onsite)

Session Chair: Md Amin

4:00 pm – 4:20 pm (Wednesday, December 21)

**Md Amin**

Project Manager, Engineering Technical Services
Tritium, Brisbane, Queensland, Australia

A result driven Manufacturing Professional with Electro-mechanical and Industrial Engineering background, good communication, organisation and co-ordination skills. Possessing a proven track record of planning and executing operation techniques and programmes, ensuring that work is carried out in accordance with the company's procedures with utmost safety and customer's satisfaction. Possessing a successful track record of more than 12 years continuous improvement, engineering management, operations strategy development and implementation, change management, project management, supplier management and negotiation, risk management, culture improvement, stakeholder engagement, contractor management and improving business performance using Lean

principles. A motivated self-starter, highly capable at analysing and resolving problems pragmatically, efficient and organised with excellent time management skills and experienced in working within and managing a team. My depth of knowledge and experience enables me to be organized, juggle multiple priorities and successfully manage stakeholders within high volume and job shop industrial manufacture. Amin is well experienced with computers and possess good knowledge of Value Stream Mapping, Line Balancing, Time Study, SAP HANA, EPICOR, MRP, MS Project, JIRA, MS Excel and more. I have superior people management skills and excellent communication and organizational skills. Well versed in Quality Management System (ISO9001, AS9100, AS9110, ISO14001, ISO18001). He received Bachelor in Mechanical Engineering and received my Post Graduation from Queensland University of Technology (QUT) in Industrial Engineering and possesses extensive knowledge in lean manufacturing. My research topic was on "A systematic approach for selecting and implementing lean strategies in manufacturing organisation and assessing their effectiveness in the different industry set up".

4:20 pm – 4:40 pm (Wednesday, December 21)

**Adriano de Freitas**

Visiting PhD scholar at Laboratory for Simulation and Modelling of Particulate Systems (SIMPAS)
Department of Chemical and Biological Engineering
Monash University, Melbourne, Australia

Adriano de Freitas is a visiting PhD scholar at Laboratory for Simulation and Modelling of Particulate Systems (SIMPAS), at the Department of Chemical and Biological Engineering, Monash University, Melbourne, Australia. He also was an Erasmus+ exchange PhD at the Department of Mechanical and Energy Systems Engineering, University of Bradford, Bradford, United Kingdom. He is a PhD candidate at the Energy Program, Federal University of ABC, Santo Andre, Brazil. He is an Industrial Engineer who has worked with several engineering teams from

American, Australian, Brazilian and German companies to make optimization projects that have further developed in order to allow better understanding of the interaction between materials conveyance, operational variables and the relationships through energy efficiency in heavy equipment. He has 10+ years of engineering experience in design, simulations, tests, process and teaching between industry and academia collaborations, solving technical problems with human solutions.

4:40 pm – 5:00 pm (Wednesday, December 21)

**Dr. Ir. Eko Pujiyanto****Associate Professor and Head of Master of Industrial Engineering Program
Sebelas Maret University, Surakarta Indonesia**

Eko Pujiyanto received the B.S. degree in Mathematics in 1993 and the M.Eng. degree in Industrial Engineering in 1998, both from Bandung Institute of Technology, Bandung and Ph.D. degree in Mechanical Engineering in 2012 from Gadjah Mada University, Yogyakarta, Indonesia. He is also received Professional Engineer from Sebelas Maret University, Surakarta Indonesia. He is currently as an Associate Professor and Head of Master of Industrial Engineering Program. He is a member of The Center for Research in Manufacturing System at Sebelas Maret University, Surakarta Indonesia. His main research is the modeling and experimentation of manufacturing processes. His research interests include modeling and optimization of sustainable manufacturing process using statistical and computational, and data analysis and optimization using heuristics. In addition to research in the field

of sustainable manufacturing modeling, he is also experimental-based research related to biomaterials using the Taguchi Method. The results of the multi-response experiment using the Taguchi method were optimized simultaneously with the multi-objective optimization tool. He has authored and coauthored several papers on these subjects. He has published more than 40 papers in journals and international conferences and owned h-index 5. He has been involved as a reviewer in several journals, such as the International Journal of Production Research, Production & Manufacturing Research, International Journal of Management Science and Engineering Management, International Journal of Applied Science and Engineering and Safety and Health at Work. He has completed the supervision of 15 Master Students and over 50 Undergraduate Students.

5:00 pm – 5:20 pm (Wednesday, December 21)

ID 453 A Socio-Technical System for Rural Community Engagement: the Gwakwani Project

Suné von Solms, Department of Electrical Engineering, University of Johannesburg, Johannesburg, South Africa

Hannelie Nel, Worley Middle East, United Arab Emirates

Postgraduate School of Engineering Management, University of Johannesburg, Johannesburg, South Africa

The Second Australian Conference on Industrial Engineering and Operations Management Melbourne, Australia, November 14-16, 2023

<http://ieomsociety.org/melbourne2023/>

14th IEOM Global Supply Chain and Logistics

DISTINGUISHED SPEAKERS

Global Supply Chain and Logistics I

December 22, Thursday, 2:00 – 3:45 pm – Room 2 (Onsite)

Session Chair: Prof. Dr Aries Susanty

2:00 pm – 2:20 pm (Thursday, December 22)



Prof. Dr Aries Susanty ST MT.

Head of Optimization and Industrial Planning System Laboratory

Industrial Engineering Department, Diponegoro University Central Java, Indonesia

Aries Susanty is a Professor and Head of Optimization and Industrial Planning System Laboratory in Industrial Engineering Department, Diponegoro University, Campus Tembalang, Central Java, Indonesia. She earned a bachelor's degree, master's degree, and doctoral degree in Industrial Engineering from Bandung Institute of Technology, Bandung, West Java, Indonesia. Through her 20+ years of experience in teaching and research at Diponegoro University, she has established an overarching research area in supply chain modeling, supply chain governance, halal supply chain and logistics, sustainability supply chain, and customer behavior. Her research track record has been demonstrated by winning several research grants from the Indonesian government and Diponegoro University. She has published more than 75 technical papers in journals and international conferences and owned h-index 7. She has been involved as a reviewer in several journals, such as the International Journal of

Productivity and Performance Management, Emerging Markets Finance and Trade, Systems Research and Behavioral Science, Asia Pacific Journal of Tourism Research, Kubernetes, and International Journal of Lean Six Sigma. She also has involved with many international conference committees, such as the 2019 Annual Conference of Industrial and System Engineering (chair), 2020 Annual Conference of Industrial and System Engineering (program committee), 2020 IEEE International Conference on Industrial Engineering and Engineering Management (program committee), 2021 IEEE International Conference on Industrial Engineering and Engineering Management (program committee). She also has been involved as an invited speaker in several conferences, such as 2019 and 2020 Annual Conference of Industrial and System Engineering and 28th Industrial Engineering and Operations Management- Global Engineering Education. She coordinated multiple academic and industrial research projects from the Central Bank of Indonesia, Indonesian State-owned Banknote/Security Printers and Mint, Railink, and National Public Procurement Agency. She has completed the supervision of 10 Master Students and over 60 Undergraduate Students.

2:20 pm – 2:40 pm (Thursday, December 22)



John Madgen, MBA

General Manager

Americold Logistics, Australia

Baldivis, Western Australia, Australia

John Madgen is an Experienced General Manager with a demonstrated history of working in the logistics and supply chain industry. Skilled in Negotiation, Operations Management, People Management, Management, and Continuous Improvement. Strong operations professional with a Master of Business Administration – MBA focused in Logistics, Materials, and Supply Chain Management from Australian Institute of Business.

2:40 pm – 3:00 pm (Thursday, December 22)



Ferry Jie, PhD, FCES, FCILT

Associate Professor of Supply Chain and Logistics Management, ECU, School of Business and Law, Edith Cowan University, Western Australia, Australia

Ferry Jie is the Associate Professor in Supply Chain and Logistics Management, in the School of Business and Law. Ferry is currently a Secretary to the Chartered Institute Logistics and Transport (CILT) Western Australia (WA) Committee. Ferry is also Supply Chain & Logistics Association of Australia (SCLAA) WA Committee. Associate Professor Ferry Jie has maintained a high quality of research throughout his academic career including international scholarly leadership in the areas of supply chain management and logistics, including being invited to be keynote speaker and to give public lectures at symposiums and international conferences in Indonesia, Malaysia, Vietnam, China, UK and Australia. From 2017 to now, published more than 46 refereed journal articles—including

23 articles in Q1-ranked in the SCImago and 22 articles in Q2-ranked in the SCImago, and 8 refereed conference papers. Furthermore, Dr Jie has received research grants/awards adding up to over \$1.85 million between 2010 and 2020.

3:00 pm – 3:20 pm (Thursday, December 22)

Ashini Soysa

Import and Export Coordinator

General Mills, Victoria, Australia



Ashini Soysa graduated from RMIT University, Melbourne with a Bachelor of Business, majoring in Logistics and Supply Chain Management and Economics. During her undergraduate years she was a student ambassador and actively volunteered at various university events. She is also a member of the Golden Key International Honour Society (awarded to the top 15% students of the university based on academic achievement). Currently working for a multi-national FMCG company, she has several years of industry experience across multiple roles in Logistics. In

her latest role, she manages and maintains inventory across three warehouses, processes purchase orders and coordinates stock transfers. In her previous role, she administered all imports and exports of good, supervised the delivery of all goods and managed the distribution to various geographical locations efficiently. She maintains subject matter expertise in import and export operations as she worked with the company's global trade team to evaluate the required classification for products and monitor the shipments to ensure compliance with regulations. She is also currently pursuing a Masters in Research at CQUniversity, Melbourne in the field of Geopolitical tensions and the Australian FMCG supply chain.

3:20 pm – 3:40 pm (Thursday, December 22)

Global Supply Chain and Logistics II

December 22, Thursday, 4:00 – 5:45 pm – Room 2 (Onsite)

Session Chair: Michael Huang, Chief Operating Officer, Natural Solar, Sydney, Australia

4:00 pm – 4:20 pm (Thursday, December 22)



Dr. Ir. Muhammad Hisjam, STP, MT
Head of Logistics and Business System Laboratory
Universitas Sebelas Maret, Surakarta, Indonesia

Muhammad Hisjam is with Department of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret, since 1998. He received his Bachelor degree from Universitas Gadjah Mada in 1986, and a Master degree from Institut Teknologi Bandung in 2002. He received his Ph.D. in Environmental Science from Universitas Gadjah Mada in 2016, with his dissertation title is "Sustainable Supply Chain Model in Export Oriented Furniture Industry in Indonesia (Case in Perum Perhutani)". His research interests are in supply chain, logistics, business and sustainable development. He has published some papers in his research area. He and his colleagues have initiated and maintain some collaborations between his institution with some abroad universities, such as Ehime University, Japan and Universiti Teknologi Malaysia. As for now, he is a member of Industrial and Systems Engineers (IISE), Society of Industrial Engineering, and Operations Management (IEOM), and AAPM.

4:20 pm – 4:40 pm (Thursday, December 22)



Dr Reza Kiani Mavi
Senior Lecturer, Supply Chain and Project Management
School of Business and Law, Edith Cowan University, WA 6027, Australia

Reza Kiani Mavi holds a PhD degree in operations management. Currently, he is a senior lecturer in supply chain and project management at the school of business and law, Edith cowan university, Australia. In addition to his usual teaching and research duties, he is involved in grant applications and has received several funds from industry including the Australian Institute of project management, the Department of transport, and iMOVE collaborative research centre. His research interests include analysing eco-innovation and eco-efficiency of supply chains, and project performance using mathematical models such as data envelopment analysis. Dr Reza Kiani Mavi has published over 70 papers in many prestigious journals such as Technological Forecasting & Social Change, Supply Chain Management, Transport Policy, Computers & Industrial Engineering. In addition to his service as the reviewer and editorial board member of Technological Forecasting & Social Change, and Management Decision, Reza is the associate editor for the Journal of Intelligent and Fuzzy Systems (JIFS). He is also a member of the ethics committee in the Australasian Supply Chain Institute (ASCI).

4:40 pm – 5:00 pm (Thursday, December 22)



Michael Huang
Chief Operating Officer
Natural Solar
Sydney, Australia

Topic: The psychology of Lean

Michael Huang is an accomplished Operations leader with over 10 years of industry experience working for well-known Australian manufactures to large global companies. He has extensive experience across a wide range of industries in biomedical, hardware, commercial furniture, mining, renewable energy & consulting professional services. A driving force in the manufacturing sector, his pursuit of manufacturing excellence has been recognised nationally by Insights to Excellence organisation for his development on Human Lean Manufacturing. Michael has also been awarded the Graham Painton Prize for his research into Cost Effective Manufacturing. As a strong advocate for industry engagement and education development, Michael has dedicated over a decade in supervising and mentoring students, PhD candidates in research, graduate engineers, all the way to managers and senior executives. Michael leads by integrating manufacturing typologies with education pedagogy. His passion nurtures a positive culture within his teams, which drives human capability development to deliver successful outcomes in line with core company business strategies. Michael began his career as a Manufacturing Engineer graduating from the University of New South Wales continuously identifying and implementing improvement projects to increase efficiency of production facilities and reducing costs. Developed into middle management roles over the next few years leading production teams resulting in increased efficacy of improvement projects to positively shape change within organisations. Being part of businesses that were growing exponentially and also businesses in financial pressure greatly developed his business acumen in both financials and within the commercial space. In recent years as a C level executive has allowed Michael to maximise impact on change management to businesses. By leveraging over a decade's worth of experience in change management and collaborating with teams using a hands on approach allowed Michael to cascade visions to strategies, deliver the projects and results ensuring value addition every step of the way.

5:00 pm – 5:20 pm (Thursday, December 22)

5:20 pm – 5:40 pm (Thursday, December 22)

Panel Sessions

Panel on Electrical Energy Storage Technology

4:00 – 5:45 pm, December 21, 2022 – Room 1 (Onsite)

Panel Chair:



Prof. Dr. Ir. Wahyudi Sutopo

IPM Head of Industrial Relations and Commercialization

Division for center of excellence for electrical energy storage technology (CoE-EEST)

Universitas Sebelas Maret (UNS), Surakarta, Indonesia

Dr. Wahyudi Sutopo is a professor (since April 2020) and Head of Industrial Engineering and Techno-Economics (RITE) Research Group (since January 2014), Department of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret (UNS). He is serving as President of IEOM Indonesia Profesional Chapter (since 2020). Since 2020, he has been assigned as Vice Dean for Human Resources, Finance, and Logistics (2020-2023). He was as deputy dean of the general and financial affairs of the faculty of engineering UNS (2019-2020). He was the head of the industrial engineering undergraduate study program (2015-2019); as an asset auditor of the internal supervisory unit (2014-2019); the head of UNS technology innovation center (2014-2016); and the general chair of the Indonesian industrial engineering higher education institution cooperation agency/BKSTI (2017-2020). He is an Assessor of BAN-PT (Noreg. 2017-01215). He had experience working in the electronics industry as an engineer at PT. Panasonic Manufacturing Indonesia from 2000-2003. His educational background is the profession of an engineer (Ir) from the Professional Engineer Program – Universitas Sebelas Maret (UNS) in 2018; Doctor (Dr) in

Industrial Engineering & Management from Institut Teknologi Bandung in 2011; Master of Management (M.Si.) from Universitas Indonesia in 2004, and Bachelor of Industrial Engineering (S.T.) from Institut Teknologi Bandung in 1999. He has professional qualifications as an associate professional engineer (P. Eng) since 2016.

Panel Speaker



Renny Rochani, MT., PhD

Lecturer and Researcher of Industrial Engineering and Techno-Economics Research Group, Industrial Engineering Dept.

Universitas Sebelas Maret (UNS)

Surakarta, Indonesia

Agenda: The rapid growth of innovative technology in electric energy storage and electric vehicles encourages the formation of a new ecosystem in the early supply chain, including technopreneurs and startups from manufacturers, suppliers, and distributors for commercialization. The development of electric vehicles with renewable energy systems itself can grow new business innovations. There is a huge requirement for developing new entities of

businesses by relying on innovation to accommodate new technologies and engineering innovation, especially in applying electrical energy storage technology for electric vehicles. In this panel, it is hoped that the experts can discuss the following questions:

What is the growth and innovation of electric vehicles and energy storage technology? To what extent does a new start-up company can develop a new business innovation model in energy storage & vehicle electrification? What is the challenge that occurred in the business model of vehicle electrification and energy storage? What is the role of universities/research centers and the government in accelerating a new business innovation in electrical energy storage technology and electrification?

Panel on Women in Industry and Academia (WIIA)

4:00 – 5:45 pm, December 22, 2022 – Room 1 (Onsite)

Panel Chair



Prof. Mervat El-Hoz

Founder and CEO

Environmental Engineering Consulting

Sydney, New South Wales, Australia

Professor Mervat El-Hoz is a Founder and CEO of Environmental Engineering Consulting, Sydney, Australia. She was the chairperson of Environmental Engineering Program at the Department of Civil and Environmental Engineering of the University of Balamand, Lebanon. She graduated from the Middle East Technical University, Turkey as Environmental Engineer and obtained her PhD from the University of Sydney, Australia in the same field. She received many international and national Honors and Awards in the field of Solid Waste Management and Environmental in general. She is Author of over 100 scientific publications in international journals and conference proceedings: scientific papers, keynote speaker lectures, chapters in books and technical reports. She is a member of the Editorial Board of many International Journals, and scientific committees in international conferences 2002 - . She is a guest lecturer at various universities in the United States and the Arab countries. She served as senior environmental expert at the World Bank, Council for Development and Reconstruction on Solid Waste /

Environmental Management, Lebanon (1998 – 2002); as an environmental expert, local coordinator, technical leader and trainer for EU, UNDP, and USAID projects in solid waste, water, wastewater, and air pollution 2002 –; as an environmental consultant for Transport Safety and Logistics in Collection and Disposal of Hazardous and Non-Hazardous Wastes, Ghana 2010 –; and as consultant for many Municipalities and Municipal Union in Lebanon.

Panel Speaker I

**Dr Spring Zhou**

Faculty of Business and Law, School of Business
University of Wollongong, Australia

Dr Quan (Spring) Zhou is a Lecturer in the Operations Discipline Group, School of Management, Operations and Marketing, Faculty of Business, at University of Wollongong. She obtained a PhD in Operations and Supply Chain Management from University of Auckland in 2016 for her research in managing medical supplies in national reserves. Prior to joining University of Wollongong, Spring worked as a lecturer at Massey University (2016-2018) and a Research Fellow at University of Auckland (2016) in New Zealand. Her research interests are in supply chain management, non-profit operations, inventory management of perishable products, and agricultural value chains. As a strong proponent of practice-inspired research, Spring is passionate about combining her research interests with practical needs. Spring has been actively involved in practice-driven, applied research. For example, her PhD

project was motivated by the serious expiration problem in the medical reserve stocks. In that project, she studied rotation schemes and provided suggestions on managing the medical supplies, considering the perishability of long-life medical products. Spring has also worked with *AgResearch* in New Zealand to evaluate on-farm changes when delivering desirable credence attributes for agri-products and explore ways to motivate changes in land use practices.

Panel Speaker II

**Dr. Sumana Biswas**

Associate Fellow, Higher Education Academy (AFHEA)
Capability Systems Centre School of Engineering and Information Technology
University of New South Wales, Canberra, Australia

Dr. Sumana Biswas is an enthusiastic engineering person with expertise in technology decision making, capability model development, autonomous systems planning, artificial intelligence, data-driven optimization algorithms and simulation models. Dr. Biswas obtained her PhD in Mechanical Engineering from the University of New South Wales (UNSW), Canberra, Australia. She received her B.S.C. and M.S.C. degree in Mechanical Engineering, from Chittagong University of Engineering and Technology (CUET), Bangladesh, in 2006 and 2014, respectively. Currently, she is working as a Research Associate in Capability Systems Centre, School of Engineering and Information Technology at the University of New South Wales (UNSW), Canberra, at the Australian Defence Force Academy, Australia. Dr. Biswas has more than 13 years of research and teaching experience in the higher education sector in Bangladesh and Australia. She was an Assistant Professor at the Chittagong University of

Engineering and Technology (CUET), Bangladesh. Dr. Biswas has supervised a number of undergrad and master's students over these years. She has published more than 25 peer-reviewed journals and conference papers.

Panel Speaker III

**Professor Hannelie Nel**

Regional Assurance Manager, Worley OUINA (Oman, UAE, Iraq and North Africa),
Associate Professor of Practice, University of Johannesburg, South Africa

Professor Hannelie Nel is the Regional Assurance Manager for Worley and responsible for the Assurance portfolio in the United Arab Emirates, Oman, Egypt and Iraq offices. She is also an Associate Professor of Practice with the University of Johannesburg, South Africa. She holds a DEng in Engineering Management, an MSc in Industrial Engineering, and a BEng in Chemical Engineering; and has 25 years' experience in risk and quality management consulting and research. She is an Honorary Fellow of the Southern African Institute for Industrial Engineering and during her career has received several awards for her contribution to engineering and education. Hannelie is a registered Professional Engineer and an international author and speaker with over 50 international academic publications. She has also published two professional books, namely *Leadership and Agency of Women Engineers* in South Africa and *The Development of Women and Young Professionals in STEM Careers*. To date she has supervised and graduated 65 Masters students and 3 Doctorates in Engineering Management, and she is a member of the American Society for Engineering Management. In 2016, she was invited to join the invitation-only network of the most accomplished women in the world, the International Women's Forum (iwforum.org), in

recognition of her lifelong contribution to the development of technical women.

Submissions Received from Countries and Territories

1. Algeria	16. Egypt	31. Netherlands	46. Thailand
2. Australia	17. Finland	32. New Zealand	47. Tunisia
3. Bangladesh	18. Germany	33. Nigeria	48. Turkey
4. Botswana	19. Ghana	34. Pakistan	49. Ukraine
5. Brazil	20. Greece	35. Peru	50. United Arab Emirates
6. Brazil	21. India	36. Philippines	51. United Kingdom
7. Brunei Darussalam	22. Indonesia	37. Qatar	52. United States
8. Canada	23. Iran	38. Saudi Arabia	53. Vietnam
9. Chile	24. Iraq	39. Singapore	54. Zambia
10. China	25. Italy	40. South Africa	55. Zimbabwe
11. Colombia	26. Japan	41. South Korea	
12. Colombia	27. Malaysia	42. Spain	
13. Costa Rica	28. Malaysia	43. Sri Lanka	
14. Czech Republic	29. Mexico	44. Switzerland	
15. Ecuador	30. Morocco	45. Taiwan	

Parallel Sessions

All Times are in Sydney Time

MONDAY, December 19, 2022

	Virtual Room 1	Virtual Room 2	Virtual Room 3	Virtual Room 4	Virtual Room 5	Virtual Room 6	Virtual Room 7
8:00 am	Competition	Machine Learning	Supply Chain	Sustainability and Green Systems	Healthcare Systems	Systems Engineering	Project Management
10:00 am	Undergraduate Student Paper Competition	Decision Sciences	Supply Chain	Occupational Safety and Health (OSH)	Case Studies	Data Analytics and Big Data	Decision Sciences
12:00 pm	Undergraduate Student Paper Competition	LSS + High School Competitions	Design and Analysis	Entrepreneurship and Innovation	Case Studies	Case Studies	Business Management
2:00 pm	Undergraduate Student Paper Competition	Artificial Intelligence	Supply Chain	Occupational Safety and Health (OSH)	Case Studies	Business Management	Business Management
4:00 pm	Undergraduate Research Competition	Human Factors and Ergonomics Competition	Graduate Student Paper Competition	Data Analytics and Big Data	Case Studies	Business Management	Business Management
6:00 pm	Supply Chain and Logistics Competition	Master Thesis Competition	Graduate Student Paper Competition	Doctoral Dissertation Competition	Case Studies	Business Management	Business Management
8:00 pm	Supply Chain	Industrial Management	Supply Chain	E-Business and E-Commerce	Case Studies	BM	Business Management
10:00 pm	Decision Sciences	Diversity and Inclusion / Women in Industry and Academia (WIIA)	Supply Chain	Construction Management	Case Studies	BM	Business Management

TUESDAY, December 20, 2022

	Onsite Room 1 (Hilton Hotel)	Onsite Room 2 (Hilton Hotel)	Virtual Room 3	Virtual Room 4	Virtual Room 5
8:00	Technical Presentation Onsite I	Global Business Management / Plenary			
10:00	Onsite Conference Opening				
10:20	Keynote I: Prof. Devdas Shetty Ph.D. PE, Dean, School of Engineering and Applied Sciences, University of the District of Columbia, Washington, DC, USA – Room 1				
11:00	Keynote II: Prof. Raimo P. Härmäläinen, Emeritus Professor, Systems Analysis Laboratory, Aalto University, Finland Visiting Professor, Decision Sciences, School of Business and Economics, Loughborough University, UK				
11:40	Keynote III: Prof. Shams Rahman, Professor of Supply Chain Management, School of Accounting, Information Systems and Supply Chain, College of Business and Law RMIT University, Melbourne, Australia				
12:20	Keynote IV: Prof. Morris Fan, Dean, National Taipei University of Technology, Taipei, Vice President and Board Member, Asia Pacific Industrial Engineering and Management Systems Society, Ministry of Science & Technology (MOST), Taiwan				
1:00	Onsite Lunch Break				
2:00	Technical Presentation Onsite II	Global Engineering Education I	Sustainability and Green Systems	Industry 4.0	Waste Management
4:00	Panel on on Electrical Energy Storage Technology	Global Engineering Education II	Sustainability	Industry 4.0	Engineering Management

Wednesday, December 21, 2022

	Onsite Room 1 (Hilton Hotel)	Onsite Room 2 (Hilton Hotel)	Virtual Room 3	Virtual Room 4	Virtual Room 5
8:00	Technical Presentation Onsite III	Technical Presentation Onsite IV			
10:00	Conference Chair Remarks				
10:20	Keynote V: Prof. Dr. Ir. Wahyudi Sutopo, Professor, Industrial Engineering Department, Universitas Sebelas Maret (UNS), Surakarta, Indonesia				
11:00	Keynote VI: Frank Will, Founder and CEO, Ino8 Pty Ltd, Victoria, Australia				
11:40	Keynote VII: Prof. Srinath Perera, Director, Centre for Smart Modern Construction c4SMC, Chair of Built Environment & Construction Management, Western Sydney University, Australia				
12:20	Keynote VIII: Dr Gnana K Bharathy, Artificial Intelligence and Research Data Specialist, Faculty of Engineering & Information Technology, University of Technology Sydney (UTS), Sydney, Australia				
1:00	Onsite Lunch Break				
2:00	Technical Presentation Onsite V	Industry Solutions I	Operations Research	Information Technology	Engineering Education
4:00	Technical Presentation Onsite VI	Industry Solutions II	Project Management	Quality Control	IT and Simulation

Thursday, December 22, 2022

	Onsite Room 1 (Hilton Hotel)	Onsite Room 2 (Hilton Hotel)	Virtual Room 3	Virtual Room 4	Virtual Room 5
8:00	Technical Presentation Onsite VII	Technical Presentation Onsite VII			
10:00	Conference Chair Remarks				
10:20	Keynote IX: Prof. Dr Mohammed Abdur Razzaque, School of Business, University of New South Wales (UNSW), Sydney, Australia				
11:00	Keynote X: Prof. Dr. Mukhamad Najib, Education Attaché, Indonesian Embassy in Canberra, Vice Chair, IPB SDGs Network, IPB University Risk Monitoring committee, PT BRI Syariah, Vice Dean, Faculty of Economics and Management, IPB University				
11:40	Keynote XI: Professor Dr. Abdul Talib Bon, Department of Production and Operations Management, Universiti Tun Hussein Onn Malaysia (UTHM), Malaysia				
12:20	Keynote XII:				
1:00	Onsite Lunch Break				
2:00	Technical Presentation Onsite IX	Global Supply Chain and Logistics I	Technology Management	Manufacturing	HF + Healthcare
4:00	WIIA Panel	Global Supply Chain and Logistics II	Energy	Operations Management	Occupational Safety and Health (OSH)
8:00 – 10:00 pm - Award Dinner					

December 19 (MONDAY)

December 19 (MONDAY) - Session: 8:00 – 9:45 am

8:00 – 9:45 am, MONDAY

Poster Competition

Virtual Room 1

Session Chair: Judging Committee

ID 552 Gentle and Energy-Efficient Pneumatic Conveying of Solids

Adriano Gomes de Freitas and Luis Alberto Martinez Riascos, Postgraduate Program in Energy, Federal University of ABC (UFABC), Santo André, São Paulo, Brazil

Jose Eduardo, Munive-Hernandez, Faculty of Engineering and Informatics, University of Bradford, West Yorkshire, United Kingdom

Ruiping Zou, Lab for Simulation and Modelling of Particulate Systems (SIMPAS), Monash University, Clayton, Australia

ID 583 Hybrid Miata

Eng. Vajidullah Molvizada, Graduate student in Industrial Technology, Jordan College of Agricultural Sciences and Technology, California State University, Fresno, California, United States of America

Dr. Athanasios "Alex" Alexandrou, Professor and Project Supervisor, Jordan College of Agricultural Sciences and Technology, California State University, Fresno, California, United States of America

ID 241 Blockchain applications in the Food Supply Chain: A Systematic Review of Literature

Claudia Abad Gutiérrez & Flavia Estrada Florez, Engineering and Architecture School, Universidad de Lima, Peru

Rosa Patricia Larios-Francia, Research Professor, Engineering and Architecture School, Universidad de Lima, Peru

8:00 – 9:45 am, MONDAY

Machine Learning

Virtual Room 2

Session Chair: Pranshu Kulkarni, Queensland University of Technology (QUT), Brisbane, Queensland

ID 438 A Product Network Analysis Using A priori Algorithm for Extending the Market Basket in Retail

Gonzalo Manuel Infante Caldas, Universidad de Lima, Carrera de Ingeniería Industrial, Lima, Perú

Xiomara Dayana Molina Rubio, Universidad de Lima, Carrera de Ingeniería Industrial, Lima, Perú

Yvan Jesus Garcia Lopez, Universidad de Lima, Carrera de Ingeniería Industrial, Lima, Perú

José Antonio Taquía Gutiérrez, Universidad de Lima, Instituto de Investigación Científica, Lima, Perú

ID 373 Developing Prediction Models Based on Ensemble Machine Learning Algorithms to Manage Healthcare Centers' Infrastructure

Carlos Hernández, Paola Leal, Departamento de Procesos Industriales, Universidad Católica de Temuco, Temuco, Chile

ID 511 Machine Learning Applied to Milk Sample Classification

Mia León and Diego Ossa, Universidad de Lima, Carrera de Ingeniería Industrial, Lima, Perú

José Antonio Taquía Gutiérrez, Universidad de Lima, Instituto de Investigación Científica, Carrera de Ingeniería Industrial, Lima, Perú

ID 439 Use of a Machine Learning model for the reduction of BackOrders in the Cross Docking sales process for the Homecenter Order Service

Jamil Venturo Panduro Lope, Faculty of Engineering and Architecture, Industrial Engineering Career, Lima University, Lima Peru

Garcia-Lopez Yvan Jesus, Faculty of Engineering and Architecture, Industrial Engineering Career, Lima University, Lima, Peru

Sebastian Emilio Pumayauri Hidalgo Faculty of Engineering and Architecture, Industrial Engineering Career, Lima University, Lima, Peru

ID 580 Contact Mechanics for a Ball Dropped on an Infinite Plate, an Update

Carlos Garcia-Mendoza, Instituto de Posgrado, Universidad Técnica de Manabí (UTM), Portoviejo, Ecuador

Anthony Leonardo Zambrano Solórzano, Universidad Técnica de Manabí (UTM), Portoviejo, Ecuador

Dayana Isamar Burgos Andrade, Universidad Técnica de Manabí (UTM), Portoviejo, Ecuador

Luis Santiago Quiroz-Fernandez, Instituto de Posgrado, Universidad Técnica de Manabí (UTM), Portoviejo, Ecuador

Jairo Ramón Beltrón-Cedeño, Instituto de Posgrado, Universidad Técnica de Manabí (UTM), Portoviejo, Ecuador

Jimmy Manuel Zambrano Acosta, Instituto de Posgrado, Universidad Técnica de Manabí

Neyfe Sablón-Cossío, Instituto de Posgrado, Universidad Técnica de Manabí (UTM), Portoviejo, Ecuador

ID 433 Implementation of the Six Sigma Methodology to improve the process performance in a MYPE

Giancarlo Alexander Arrasco Juarez, Student of Industrial Engineering, Faculty of Architecture and Industrial Engineering, University of Lima, Perú

Cristian Alexander Ortiz Velasquez, Student of Industrial Engineering, Faculty of Architecture and Industrial Engineering, University of Lima, Perú

ID 674 Development of a Practical ERP System for Small and Medium Industries

Pranshu Kulkarni, Anuja Shevatikar, Apoorwa Gaigawale and Samuel Idowu, School of Mechanical, Medical and Process Engineering, Queensland University of Technology (QUT), Brisbane, Queensland

8:00 – 9:45 am, MONDAY

Supply Chain

Virtual Room 3

Session Chair: Dr Ki Pyung Kim, University of South Australia

ID 244 Investigating Relationships between Digitalisation and Warehouse Performance: An Application of fsQCA Approach.

Alaa Aljedaani

School of Accounting, Information Systems, and Supply Chain, RMIT University, Melbourne, Australia

Shams Rahman, School of Accounting, Information Systems, and Supply Chain, RMIT University, Melbourne, Australia

Aswini Yadlapalli, School of Accounting, Information Systems, and Supply Chain, RMIT University, Melbourne, Australia

ID 630 Problems and response actions of the food supply chain against Covid-19: A SRL

Sofía Alejandra Calderón San Bartolomé, Student, School of Engineering and Architecture, University of Lima, Lima, Perú
Aylin Tatiana Gonzales Alejos, Student, School of Engineering and Architecture, University of Lima, Lima, Perú

ID 76 The Use of Scheduling in the COVID-19 Pandemic: a Systematic Literature Review

Valeria Jaqueline Ocegüera-Castillo, Center of Exact Sciences and Engineering, University of Guadalajara, Guadalajara, Mexico
Alejandro Vital-Soto and Jessica Olivares-Aguila, Shannon School of Business, Cape Breton University, Sydney, Nova Scotia, Australia

ID 16 Distribution process model based on lean manufacturing and BPM to reduce costs in SMEs in the craft brewing sector

Santiago Portugal-Nemotto y Frans Rojas-Salas, Facultad de ingeniería y Arquitectura, Universidad de Lima, Perú
Martin Collao-Díaz, Facultad de Ingeniería y Arquitectura, Research Professor, Universidad de Lima, Perú

ID 5 Impact of Collaboration on the Tanzanian Agri-food Supply Chains amid COVID-19 Crisis

Bajjet Sylvester Nareshe, Imran Ali and Delwar Akbar, School of Business and Law, Central Queensland University, Australia.

ID 307 The Effect of Blockchain Technology on Hospital Supply Chain Performance

Ashwaq Alyami, Shams Rahman and Aswini Yadlapalli, School of Accounting, Information Systems and Supply Chain (AISSC), RMIT University, Melbourne, Victoria 3000, Australia

8:00 – 9:45 am, MONDAY

Sustainability and Green Systems

Virtual Room 4

Session Chair: Dr. Md. Mofijur Rahman, UTS, Sydney

ID 96 Bibliometric Analysis of Publications Related to the Production of Furfural from Lignocellulosic Biomass in the Period 2015-2021

Valerie Noemi Butrica-Ferre, Facultad de Ingeniería y Arquitectura, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú
Emilio Mijairo Jaimes-Tello, Facultad de Ingeniería y Arquitectura, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú
Yvan Jesús García López, Facultad de Ingeniería y Arquitectura, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú

ID 65 Increase of productivity in aquaculture farming systems through the implementation of automated technologies and engineering techniques: a systematic literature review

Sergio Antonio Alvarez-Leon, Facultad de Ingeniería y Arquitectura, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú
Luis Fernando Rosales-Vilela, Facultad de Ingeniería y Arquitectura, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú
Yvan Jesús García López, Facultad de Ingeniería y Arquitectura, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú

ID 95 Waste management in the peruvian fishery industry before and after COVID-19. Bibliometric analysis period 2001-2021

Fabian Minaya and Eduardo Valdivia, Facultad de Ingeniería y Arquitectura, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú
Yvan García, Facultad de Ingeniería y Arquitectura, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú

ID 579 Evaluation of the circular economy in the supply chain of mining industries.

Reyes Sánchez Julio Steven, Carrera de Ingeniería Industrial, Universidad Técnica de Manabí
Zambrano Muñoz Geomara Monserrate, Carrera de Ingeniería Industrial, Universidad Técnica de Manabí
Jimmy Manuel Zambrano Acosta, Instituto de Posgrado, Universidad Técnica de Manabí
Yenniz Aracely Sanchez Briones, Instituto de Posgrado, Universidad Técnica de Manabí
Nila Marisol Plaza Macias, Instituto de Posgrado, Universidad Técnica de Manabí
Carlos Daniel García-Mendoza, Universidad Técnica de Manabí, Portoviejo, Ecuador
Neyfe Sablón Cossio, Instituto de Posgrado y Grupo de Producción y Servicio (ProServ), Universidad Técnica de Manabí, Portoviejo, Ecuador

ID 521 Web system and inventory management in computer equipment companies: A systematic review

Erwin Carlos Surichaqui-Sarmiento, Jhimmy Jesus Benjamin Benites-Noriega, Hugo Eladio Chumpitaz-Caycho, Faculty of Engineering, Universidad Privada del Norte, Lima, Peru
Ericka Nelly Espinoza-Gamboa, Faculty of Business, Universidad Privada del Norte, Lima, Peru
Manuel Alberto Espinoza-Cruz, Faculty of Business and Administration, Universidad Tecnológica del Perú, Lima, Peru
Franklin Cordova-Buiza, Research, Innovation and Social Responsibility Department, Universidad Privada del Norte, Lima, Peru, Faculty of Business Sciences, Universidad Continental, Huancayo, Peru

ID 475 Analysis of the Implementation of the SMED Methodology to Reduce Machine Setup Times and Die Change in the Food Industry: A Literature Review

Mayra Alejandra Barrantes Gerónimo, Facultad de Ingeniería y Arquitectura, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú
Luz Cecilia Silva Lostaunau, Facultad de Ingeniería y Arquitectura, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú
Luis Jesús Córdova Aguirre, Facultad de Ingeniería y Arquitectura, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú

ID 608 Dynamic Model of Sustainable Development for a Coffee Supply Chain.

Lesly Faustino Lucas and Ximena Aragaki Uema
Universidad de Lima, Carrera de Ingeniería Industrial, Lima, Perú.
José Antonio Taquíá Gutiérrez, Universidad de Lima, Instituto de Investigación Científica, Carrera de Ingeniería Industrial, Lima, Perú

8:00 – 9:45 am, MONDAY

Healthcare Systems

Virtual Room 5

Session Chair: Dr Nagesh Shukla, UTS, Sydney

ID 545 Comparing Segmentations Based on Clustering Algorithms for Emergency Room Patients

Carlos Hernández, Departamento de Procesos Industriales, Universidad Católica de Temuco, Temuco, Chile

ID 372 Developing Prediction Models Based on Machine Learning Algorithms to Allocate and to Manage Medical Staff at Intensive Care Units

Carlos Hernández, Dafne Lagos, Departamento de Procesos Industriales, Universidad Católica de Temuco, Temuco, Chile

ID 626 Medium-Term Capacity Planning in Servuccion Systems: Case Study specialized Outpatient Medical Services.

Hernando Garzón Saenz, CIPTEC Research Group - Faculty of Engineering - Industrial Engineering Program - Technology in Industrial Production, Fundacion Universitaria Tecnológico Comfenalco, Cartagena de Indias, Colombia

Andrés Redchuk, ETSII. Department of Computer Sciences. University Rey Juan Carlos. Madrid. Spain. Director of Operational Excellence and Process Improvement Institute. School of Engineer. University of Lomas de Zamora. Argentina

José Manuel Solana Garzón, CIPTEC Research Group- Faculty of Engineering - Industrial Engineering Program - Technology in Industrial Production, Fundacion Universitaria Tecnológico Comfenalco, Cartagena de Indias – Colombia

ID 268 Using System Dynamics Modeling to Improve the Financial Performance of Rural Hospitals

C. Kalpani Dissanayake, Assistant Professor, Business & Economics, Penn State University-Brandywine, 25, Yearsley Mill Rd, Media, PA, USA.

Olufunke Oladimeji, Assistant Professor, Physics and Astronomy, College of Charleston, Charleston, SC, USA

Dinesh R. Pai, Associate Professor of Supply Chain Management, School of Business Administration, Pennsylvania State University, Harrisburg, PA, USA

ID 173 Determinant factors for the restaurant sector since the COVID-19 pandemic. The Peruvian case.

Diego Rafael Limaymanta-Rojas, Carlos Antonio Olguín-Rodríguez, Alberto Flores-Perez and Marcos Fernando Ruiz-Ruiz, Faculty of Engineering and Architecture, University of Lima, Lima, Perú

8:00 – 9:45 am, MONDAY**Systems Engineering****Virtual Room 6**

Session Chair: Dr Mumtaz Karatas, Turkish Naval Academy, Turkey

ID 159 Are Efficiency and Responsiveness Good for Performance? The Mediating Role of Competitive Capability.

Quan Spring Zhou, Faculty of Business and Law, University of Wollongong, NSW 2522, Australia

Tava Olsen, Timofey Shalpegin, Department of Information Systems and Operations Management, University of Auckland, Auckland, New Zealand

ID 517 Influence of finance on green bonds regarding the increase in environmental assets: A systematic review

Ericka Nelly Espinoza-Gamboa, Faculty of Business, Universidad Privada del Norte, Lima, Peru

Hugo Eladio Chumpitaz-Caycho, Faculty of Engineering, Universidad Privada del Norte, Lima, Peru

Manuel Alberto Espinoza-Cruz, Faculty of Business and Administration, Universidad Tecnológica del Perú, Lima, Peru

Franklin Cordova-Buiza, Research, Innovation and Social Responsibility Department, Universidad Privada del Norte, Lima, Peru, Faculty of Business Sciences, Universidad Continental, Huancayo, Peru

ID 64 Analysis and Proposal for Improvement to Optimize the Design of the Facilities of a Warehouse. Case: A Food Complementation Program in the Cajamarca Region

Angel Torres Aliaga, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima, Perú

Alexandra Vásquez Idrogo, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima, Perú

Rosa Patricia Larios-Francia, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima, Perú

ID 6 Cloud-based technology can revolutionise operational planning at reduced change management cost

Dr. David Paynter, Centre for Transformative Innovation, Swinburne University of Technology

ID 577 Bridging the Gap Between Cloud ERP and Enterprise Resilience: A Systematic Literature Review

Imran Ali, Senior Lecturer in Operations and Innovation Management, School of Business and Law, Central Queensland University, Melbourne, Australia

Ngoc Dang Khoa Nguyen, PhD Scholar, School of Business and Law, Central Queensland University

ID 482 Simulation Analysis of a Military Casualty Evacuation System.

Sumana Biswas, Hasan Huseyin Turan and Sondoss El Sawah, Capability Systems Centre, University of New South Wales, Canberra, Australia

8:00 – 9:45 am, MONDAY**Project Management****Virtual Room 7**

Session Chair: Dr Sanjoy Paul, UTS, Sydney

ID 632 Are the knowledge and skills achieved by students through the university study congruent with their future career choice?

Dr Sabrina Fawzia, Senior Lecturer, School of Civil Engineering, Queensland University of Technology, Australia

Dr Kazi Saidul Islam, Lecturer, School of Business and Law, CQUniversity, Australia

Azharul Karim, Professor, School of Mechanical, Medical & Process Engineering, Queensland University of Technology, Australia

ID 544 Explanatory Model on Academic Self-Efficacy in Engineering Students Engineering Education

Daniel E. Yupanqui-Lorenzo, Universidad de Ciencias y Humanidades, Peru

ID 374 Improving Emergency Rooms' Service Quality by Implementing Models Based on Machine Learning to Predict Patients' Waiting Time

Carlos Hernández, Jaime Castillo, Departamento de Procesos Industriales, Universidad Católica de Temuco, Temuco, Chile

ID 437 Organizational Carbon Footprint: A Case of Study in an Electrode Company

Oscar Eduardo Rivas-Aguilar, Instituto Tecnológico Superior de Álamo Temapache, Tecnológico Nacional de México, Veracruz, Mexico.

Lila Margarita Bada-Carbaljal, Senior Lecturer of Management, Instituto Tecnológico Superior de Álamo Temapache, Tecnológico Nacional de México, Veracruz, Mexico.

Gabriela Guadalupe Escobedo- Guerrero, Escuela Superior de Comercio y Administración, Unidad Santo Tomás, Instituto Politécnico Nacional, Mexico City, Mexico.
 Zarahemla Ramírez-Hernández, Instituto Tecnológico Superior de Álamo Temapache, Tecnológico Nacional de México, Veracruz, Mexico.
 Ignacio García Sánchez, Centro Mexicano para la Producción más Limpia, Instituto Politécnico Nacional, Mexico City, Mexico

December 19 (MONDAY) - Session: 10:00 – 11:45 am

10:00 – 11:45 am, MONDAY

Undergraduate Student Paper Competition

Virtual Room 1

Session Chair: Judging Committee

ID 491 Bibliometric analysis of publications related to the implementation of agile methodologies in project management in IT companies, in the period 2010-2021

Bendezu Herencia, Paola Katherine, Faculty of Engineering and Architecture, Industrial Engineering Career, Universidad de Lima, Lima, Peru
 Obregon Valderrama, Rocio Fernanda, Faculty of Engineering and Architecture, Industrial Engineering Career, Universidad de Lima, Lima, Peru
 Garcia-Lopez Yvan Jesus, Faculty of Engineering and Architecture, Industrial Engineering Career, Universidad de Lima, Lima, Peru

ID 172 Carbon Footprint Reduction During the Wire Drawing Process at an Electrical Cable Manufacturing Company.

Luis Manzanedo, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima, Perú
 Mechelle Prado, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima, Perú
 Marcos Fernando Ruiz-Ruiz, Associate Professor, Universidad de Lima, Lima, Perú

ID 265 Increased production of a Peruvian SME sleepwear manufacturer through a model integrating Lean Manufacturing and Systematic Layout Planning

Angelica Christel Vargas-Sanders and Javier Arturo Velásquez-Camarena, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú
 Juan Carlos Quiroz-Flores and Martín Fidel Collao-Díaz, Research Professors, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú

ID 266 Lean-TPM based production model to increase the efficiency of the finishing process in textile companies

Yaiza Victoria Camones-Valenzuela, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú
 Martin Fidel Collao-Díaz, Juan Carlos Quiroz-Flores, Research Professors, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú

ID 66 Reverse Logistics as a Way To a Sustainable Transformation In Organizations: A Literature Review

Marquina Giovanni, Bachelor, Industrial Engineering, University of Lima, Lima, Perú
 Vargas Alejandro, Bachelor, Industrial Engineering, University of Lima, Lima, Perú

ID 171 Three Simulation Cases of Automated Warehouse Picking Systems: A Comparative Analysis.

Gina Adela Choque-Encinas, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima, Perú
 Juan Diego Gomez-Butron, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima, Perú
 Marcos Fernando Ruiz-Ruiz, Associate Professor, Universidad de Lima, Lima, Perú

ID 271 Warehouse Management Model Based on Lean Manufacturing to Reduce the Incidence of Ceramic Tiles Breakage in the Retail Sector

Luz Marina Echeverria-Garcia, Julio Cesar Espinoza-Alarcon, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú
 Juan Carlos Quiroz-Flores, Research Professor, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú

10:00 – 11:45 am, MONDAY

Decision Sciences

Virtual Room 2

Session Chair: Dr Spring Zhou, University of Wollongong

ID 232 Regional Government Design During the Pandemic: The Challenges Toward Agile Governance in East Java, Indonesia.

Muhammad Lukman Hakim, Iqbal Fajar Dwiranda, Department Governmental Science, University of Brawijaya and Centre for Policy Studies and Data Analysis (CYDA) Malang, Indonesia

ID 141 Rewards on Personnel Performance Through Training and Professionalism at the Mobile Brigade Unit of Regional Police in South Sulawesi

Ramli, Hasmin Tamsah, Nasaruddin Nawawi, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Masriadi Patu, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia
 Andries Lionardo, University of Sriwijaya, Palembang, Indonesia
 Muhamad Chairul Basrun Umanailo Universitas Iqra Buru
 Chairun Nasirin, College of Health Sciences (STIKES), Mataram, Indonesia

ID 572 School Culture and Principal Leadership through Teacher Performance on Learning Achievement of Elementary School Students

Datuintang, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Gunawan Bata Ilyas, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Mislia Mislia, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Nur Fadhillah Umar, Universitas Negeri Makassar, Makassar, Indonesia
 Geminastiti Sakir, Universitas Negeri Makassar, Makassar, Indonesia
 Abdul Haris, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Mardin Mardin, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

ID 294 The Effect of Compensation and Discipline on Performance Through Employee Work Motivation at the DPRD Secretariat in Soppeng Regency

Heriani, Baharuddin Baharuddin, dan Muhammad Nur Fattah, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Muliaty, Politeknik Negeri Media Kreatif, Makassar, Indonesia

Lery Prasetyo, Metta Puspita Dewi, STAB Negeri Raden Wijaya Wonogiri
 Mauli Denil, Akademi Maritim Sapta Samudra

ID 300 The Effect of Interpersonal Communication on Performance Through Work Teams and Organizational Commitments of the Office of Education and Culture in Bantaeng Regency

Ismail, Mislia, Nur Naningsih, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia
 Syafrizaldi, Faculty of Psychology, Universitas Medan Area, North Sumatera, Indonesia
 Wili Chandra, Politeknik Cendana, Indonesia
 Andries Lionardo, University of Sriwijaya, Palembang, Indonesia

ID 361 The Effect of Psychological Capital on Performance Through Work Capability and Soft Competence of Sub-District Employees in Jeneponto Regency

Arfina, Gunawan B. Ilyas, Syafri Arief, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Harlindah Harniati Arfan, STIE Nobel Indonesia, Makassar, Indonesia
 Wilinny Wilinny, Politeknik Cendana, Indonesia
 Nurhayati, Sekolah Tinggi Ilmu Manajemen Sukma Medan, Indonesia
 Nina Siti Salmaniah Siregar, Communication Science Study Program, Faculty of Social and Political Sciences, Universitas Medan Area, North Sumatera, Indonesia

ID 221 The Effect of Training and Competence, Work Discipline on Improving the Performance of State Civil Apparatus at the Regional Secretariat of Jeneponto Regency

Heriadi, Buyung Romadhoni, Gunawan Bata Ilyas, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Gustika Sandra, Sekolah Tinggi Ilmu Hukum Pengayoman, Makassar, Indonesia
 Muhamad Chairul Basrun Umanailo, Universitas Iqra Buru, Indonesia
 Andries Lionardo, University of Sriwijaya, Palembang, Indonesia
 Chairun Nasirin, College of Health Sciences (STIKES), Mataram, Indonesia

ID 293 The Effect of Training and Motivation on Job Satisfaction Through Employee Self-Efficacy at the Regional Secretariat of Bantaeng Regency

Hj. Sri Ummiaty, Mattalatta Mattalatta, Hasmin Tamsah, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Lukman Yudho Prakoso, Universitas Pertahanan Republik Indonesia, Bogor, Indonesia
 Rahayu Kuswardani, Fithriyah Inda Nur Abida, Nur Fauzia, Universitas Negeri Surabaya, Indonesia

10:00 – 11:45 am, MONDAY

Supply Chain

Virtual Room 3

Session Chair: Dr Ki Pyung Kim, University of South Australia

ID 291 Employing Audit Technology to Enhance Financial Audit Quality During the Covid-19 Pandemic.

E-Business and E-Commerce Rindang Widuri Bina Nusantara University Indonesia

ID 326 Exploring the Determinant Factors Affecting on e-Purchase Intention of SME Digital Insurance

Brata Wibawa Djoyo, Jessy Felicia Chai, Juliann Virginia, Vannesco Christolim, BINUS Business School Undergraduate Program, Bina Nusantara University (BINUS), Jakarta, Indonesia

ID 443 Exploring the Relationship Between IT Infrastructure Maturity and Business Agility within e-Tail Logistics.

Mr. Innocent Gumede, MBA Business School, Henley Business School, Corner of Milcliff & Witkoppen Roads, Paulshof, 2191, South Africa.
 Mr. Thabiso Mokoena, Lecturer, Department of Quality and Operations Management, Faculty of Engineering and the Built Environment, University of Johannesburg, Doornfontein, Johannesburg, 2028, South Africa

ID 387 Factors Affecting Trust on Intention to Purchase in the Marketplace.

Arta Moro Sundjaja, Information System Program, School of Information System, Bina Nusantara University, Jakarta, Indonesia
 Poppy Arilla, Information System Program, School of Information System, Bina Nusantara University, Jakarta, Indonesia
 Putri Kholilah Asri, Information System Program, School of Information System, Bina Nusantara University, Jakarta, Indonesia
 Viola Aura Rifanka, Information System Program, School of Information System, Bina Nusantara University, Jakarta, Indonesia
 Rano Kartono Rahim, Management Department, BINUS Business School Doctor of Research in Management, Bina Nusantara University, Indonesia

ID 210 Language Functions of Food Advertising Contents in Instagram Reels and TikTok Videos

Dhea Zaneta Noveria, School of Humanities, English Department, Bina Nusantara University, Jakarta, Indonesia
 Clara Herlina Karjo, School of Humanities, English Department, Bina Nusantara University, Jakarta, Indonesia

ID 211 Language in E-Business: Gender Based Perspectives of Male and Female Beauty Products' Advertisement on Instagram

Valentina Wijaya, School of Humanities, English Department, Bina Nusantara University, Jakarta, Indonesia
 Clara Herlina Karjo, School of Humanities, English Department, Bina Nusantara University, Jakarta, Indonesia

ID 388 The Determinant Factors of Repurchase Intention on the Shopee Website

Anindya Yurika Widiyanti, Dimas Rizky Febriandi, Muhammad Naufal Mu'azzi, Arta Moro Sundjaja, Information System Program, School of Information System, Bina Nusantara University, Jakarta 11480, Indonesia

ID 413 The Effect of Consumer Intention on The Growth of The Use Of E-Wallet as a Cash Substitute In Indonesia

Ayu Meity Siswanti Soewandi, Gandi Krisyan Gosol, Indana Ulfah Sitompul and Nur Damayanti, Management Department, Business Management Program, Business School Master Program, Bina Nusantara Business School, Bina Nusantara University, Jakarta, Indonesia

10:00 – 11:45 am, MONDAY

Business Management

Virtual Room 4

Session Chair: Dr. Md. Mofijur Rahman, UTS, Sydney

ID 166 Compensation and Supervision on Job Satisfaction through Work Discipline of Regional Contract Workers at the Regional General Hospital of Central Mamuju Regency

Setyo Bero, Hasmin Tamsah, Purnomo Purnomo, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Armin Anwar, Postdoctoral Program, Universitas Muslim Indonesia, Makassar, Indonesia

Andries Lionardo, University of Sriwijaya, Palembang, Indonesia

Muhamad Chairul Basrun Umanailo, Universitas Iqra Buru, Chairun Nasirin, College of Health Sciences (STIKES), Mataram, Indonesia

ID 167 Health Facilities and Competence on Service Quality through the Performance of Health Workers in the Regional General Hospital of Central Mamuju Regency

Radia, Rasjidin Abdullah, Hasmin Tamsah, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia

Andries Lionardo, University of Sriwijaya, Palembang, Indonesia

Annisa Retrofilia Umanailo, Universitas Sriwijaya

Chairun Nasirin, College of Health Sciences (STIKES), Mataram, Indonesia

ID 561 Health Workers' Capabilities on The Incompleteness of Basic Immunization through The Performance of Health Promotion and Parental Knowledge

Jamaluddin, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Ansar, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Trimaya Cahya Mulat, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

St. Malka, Akademi Kebidanan Batari Toja, Makassar, Indonesia

Irawati, Akademi Keperawatan Batari Toja, Makassar, Indonesia

Muhammad Yunus, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Ekafadly Jusuf, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

ID 177 Knowledge and Satisfaction of Nursing Services through Community Response to Immunization Coverage in the Work Area of the Public Health Center

Akhmad Furqan, Umi Farida, Darti Darti, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Jumra, Sekolah Tinggi Ilmu Hukum Pengayoman, Makassar, Indonesia

Yusuf, Faculty Economics and Business, Universitas Halu Oleo, Indonesia

Yoenita Jayadisastira, Departemen of Agricultural Extension, Halu Oleo University, Indonesia

Budi Hartono, Magister Administrasi Publik, Universitas Medan Area

ID 567 Management Functions and Work Motivation on Patient Satisfaction through Nurse Performance

Baso Hendra, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Gunawan Bata Ilyas, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Abubakar Betan, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Hasanuddin, Universitas Muhamadiyah Bone, Makassar, Indonesia

Muhammad Fachmi, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Bahtiar Maddatuang, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia

ID 568 Nurse Performance in Covid-19 Pandemic Situation

Winda Winanda, Sekolah Tinggi Ilmu Ekonomi Amkop Makassar, Indonesia

Hasmin Tamsah, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Ekafadly Jusuf, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Ardian Priyambodo R, Poltekkes Kemenkes Makassar, Makassar, Indonesia

Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Darti Darti, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Nasruddin Nawawi, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

ID 569 Officer performance in the field of Stewardship and Supporting Health in Fire Handling.

Suwandi, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Trimaya Cahya Mulat, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Muhammad Yahya, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Andi Artifasari, Akademi Keperawatan Batari Toja, Makassar, Indonesia

Darti Darti, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Jamaluddin Bata Ilyas, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Nirmawati Darwis, Universitas Puangrimaggalatung, Makassar, Indonesia

ID 191 Service Quality and Nurse Performance on Patient Loyalty with Patient Satisfaction as Moderation Variables at Lasepang Health Center, Bantaeng Regency

Akbar Arfa, Hasmin Tamsah, Baharudin Baharudin, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia

Hj. Suharty Roslan, Department of Sociology, Halu Oleo University, Indonesia

Muhamad Chairul Basrun Umanailo, Universitas Iqra Buru

Chairun Nasirin, College of Health Sciences (STIKES), Mataram, Indonesia

10:00 – 11:45 am, MONDAY**Case Studies****Virtual Room 5**

Session Chair: Dr Nagesh Shukla, UTS, Sydney

ID 594 The Influence of Facilities and Service Quality on Interest in Reusing Health Services through Patient Satisfaction

Andi Asrina, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Akmal Umar, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Eddyman W. Ferial, Muhajir, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Hezron Alhim Dos Santor, Universitas Negeri Makassar, Makassar, Indonesia
 Muhajir Paga, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Hadasman Ibrahim, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Edwin Basmar, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

ID 366 The Plurality of Vesak Celebrations at Borobudur and Sewu Temples

Tri Yatno, Universitas Sebelas Maret Surakarta
 Mahendra Wijaya, Slamet Subiyantoro, Titis Srimuda Pitana, Universitas Sebelas Maret Surakarta

ID 199 The Power Relation of Rural Governments in Developing Indonesian “Unicorn Village”: Study Case in Sleman and Badung.

Ali Maksum, Juwita Hayyuning Prastiwi, Wida Ayu Puspitosari, Brawijaya University, Malang, Indonesia

ID 231 The Resilience of The Tablighi Jamaat During Covid-19

Pardamean Daulay, Lecturer, Department of Sociology, Universitas Terbuka, Banten, Indonesia
 Nur Afni Khafsoh, Lecturer, Department of Sociology of Religion, UIN Sunan Kalijaga Yogyakarta, DI Yogyakarta Indonesia

ID 204 The Role of Religious Leaders In HIV/AIDS Prevention and Management: Study in Malang City

Titit Fitriani and Ucca Arawindha, Lecturer at Department of Sociology, Faculty of Political and Social Sciences, Universitas Brawijaya, Malang, Indonesia

ID 168 The Role of Women in Tourism in Sade Illage, Lombok, Indonesia

Deviana Mayasari, PhD Candidate, Sociology Graduate, Brawijaya University, Malang, Indonesia
 Sanggar Kanto, Siti Kholifah, Bambang Dwi Prasetyo, Postgraduate Lecturer, Brawijaya University, Malang, Indonesia
 Muhamad Chairul Basrun Umanailo, Universitas Iqra Buru

ID 596 The Work Environment and Information Technology on the Performance of Outsourcing Personnel through Motivation

Akmal, Sekolah Tinggi Ilmu Ekonomi Amkop Makassar, Indonesia
 Jumida Maming, Universitas Hasanuddin, Makassar, Indonesia
 Baharuddin Baharuddin, Sekolah Tinggi Ilmu Ekonomi Amkop, Makassar, Indonesia
 Emmi Azis, Universitas Muhammadiyah Bone, Makassar, Indonesia
 Akhmad Syarifuddin, Sekolah Tinggi Ilmu Ekonomi Amkop, Makassar, Indonesia
 A. Aminullah, Sekolah Tinggi Ilmu Ekonomi Amkop, Makassar, Indonesia
 Muhammad Yunus, Sekolah Tinggi Ilmu Ekonomi Amkop Makassar, Indonesia

ID 192 The Workload of Police Personnel in the Professional and Security Sector of the Southeast Sulawesi Regional Police

Nasrudin, Asep Putra Satria, Hendra Gunawan, Buyung Romadhoni, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Muhamad Chairul Basrun Umanailo, Universitas Iqra Buru, Indonesia
 Wiwi Rumaolat, STIKes Maluku Husada, Indonesia
 Chairun Nasirin, College of Health Sciences (STIKES), Mataram, Indonesia

10:00 – 11:45 am, MONDAY**Data Analytics and Big Data****Virtual Room 6**

Session Chair: Dr Spring Zhou, University of Wollongong

ID 248 Order Picking Optimization in O2O Supermarkets with Customer Interference.

Kexin Gao and Shandong Mou, Business School, Central University of Finance and Economics, Beijing, China

ID 113 An Investigation of the Earphone Design with Regression Analysis.

Lui Kwai Hong, Lucas & Lee Ka Man, Carman, Poly University of Hong Kong, Hung Hom, Hong Kong

ID 70 Big Data Analysis on Issues, Challenges, and Innovations in Decade Long Studies in Computer Science

Risa Rumenatha Simanjuntak, English Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 106 Identifying Cyanobacteria through Next-Generation Sequencing Technology for Modern Agriculture

Joko Pebrianto Trinugroho and Faisal Asadi, Bioinformatics and Data Science Research Center, Bina Nusantara University, Jakarta, Indonesia
 Bens Pardamean, Computer Science Department, BINUS Graduate Program, Master of Computer Science, Bina Nusantara University, Jakarta, Indonesia

ID 504 Fintech Forensic Technologies as Fraud Risk Assessment; Case Study on Cyber Crime in Banking Industry

Yusuf Amrozi and Ahmad Yusuf, Senior Lecturer, Departmen of Information System, State Islamic University, Surabaya, Indonesia, Airlangga University, Indonesia., Institute Technology Sepuluh Nopember, Indonesia
 Cholifatur Rozzika and Amrina Rosyada, Information Systems Study Program, Science and Technology, State Islamic University Sunan Ampel Surabaya, Surabaya, Indonesia

ID 15 A Supply Chain Analytics for The Electric Motorcycle Business with Swappable Battery System – A Descriptive Analytic from the IoT Data

Yusuf Priyandari, A Doctoral student at the Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

Wahyudi Sutopo and Fahrina Fahma, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
 Muhammad Nizam, Electrical Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
 Centre of Excellence for Electrical Energy Storage Technology, Universitas Sebelas Maret, Surakarta, Indonesia
 Hendro Wicaksono, Jacobs University Bremen, Campus Ring 1, Bremen, 28759, Germany

ID 605 The Contribution of Service Climate and Service Culture to Service Performance: A Survey on Nadzir In Cirebon Indonesia

Badawi Badawi, Senior Lecturer, Universitas Muhammadiyah Cirebon
 Muafi Muafi, Professor, Management Department, Universitas Islam Indonesia, Indonesia
 Mellisa Fitri Andriyani Muzakir, Student of Doctoral Program Management, Universitas Islam Indonesia, Indonesia
 Nur Ellyanawati Esty Rahayu, Student of Doctoral Program Management, Universitas Islam Indonesia, Indonesia
 Reno Candra Sangaji, Student of Doctoral Program Management, Universitas Islam Indonesia, Indonesia
 Fatimah Az Zahra, Student of Bachelor Program, Departement of Management, Universitas Islam Indonesia, Indonesia
 Meyna Cinta Ratulian, Student of Bachelor Program, Departement of Management, Universitas Pembangunan Nasional "Veteran" Yogyakarta
 Faizal Fadli, Student of Bachelor Program, Departement of Management, Universitas Muhammadiyah Cirebon
 Mahfuzhoh Fadillah Heryanda, Lecturer, Universitas Muhammadiyah Cirebon

10:00 – 11:45 am, MONDAY

Business Management

Virtual Room 7

Session Chair: Dr Sanjoy Paul, UTS, Sydney

ID 593 The Influence of Competence, Communication and Motivation on the Employees of the Postgraduate School of University Hasanuddin Makassar

Haidir Jaya Satria, Hasmin Tamsah, Sofyan Hamid, Jumiati Nurung, Amar Sani, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia.
 Sri Wahyuni, Marlia Rianti, Universitas Muhammadiyah Bone, Makassar, Indonesia

ID 186 The Influence of Human Resource Management and the Work Environment on Employee Performance through the Quality of Human Resources at the Regional Secretariat of Bantaeng Regency

Swasti Indasari, Budiman Haruna, Hendra Gunawan, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Zakir Muhammad, Sekolah Tinggi Ilmu Ekonomi Panca Bhakti, Palu, Indonesia
 Andries Lionardo, University of Sriwijaya, Palembang, Indonesia
 Annisa Retrofilia Umanailo, Universitas Sriwijaya, Indonesia
 Muhamad Chairul Basrun Umanailo, Universitas Iqra Buru, Indonesia

ID 139 The Influence of Information and Service Quality on Employee Performance through Supervision Quality at the Department of Energy and Mineral Resources of South Sulawesi Province

Yeni Apriani, Agus budiono, Baharuddin Baharuddin, Gunawan B. Ilyas, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Sitti Hairani Idrus, Department of Public Administration, Universitas Halu Oleo, Indonesia
 Arwin Arwin, Politeknik Cendana, Indonesia
 Rahmadani, Sekolah Tinggi Ilmu Manajemen Sukma Medan, Indonesia

ID 595 The Quality of Human Resources on Good Governance through Technology Mastery and Work Employees Creativity.

Asdar Akbar, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Budiman, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Gunawan Bata Ilyas, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Kapriani, STIE Tri Dharma Nusantara Makassar, Makassar, Indonesia
 Adrianus Parenthen, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Mauli Kasmi, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Harifuddin Harifuddin, Politeknik Pertanian Pangkep, Makassar, Indonesia

ID 223 The Role of Bureaucracy and Implementation of Educational Policies on Organizational Performance Through Service Quality

Deona Glory Tandiawa, Akmal Umar, Gunawan B. Ilyas, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Lukman Yudho Prakoso, Universitas Pertahanan Republik Indonesia, Bogor, Indonesia
 Ni Luh Supartini, Bisnis Digital Institut Pariwisata dan Bisnis Internasional
 Agung Suharyanto and Beby Mashito Batubara, Public Administration Study Program, Faculty of Social and Political Sciences, Universitas Medan Area, North Sumatera, Indonesia

ID 598 Transformational Leadership Style and Soft Skills Competencies to Employee Performance through Work Effectiveness

Arni Yahya and Gunawan Bata Ilyas, Sekolah Tinggi Ilmu Ekonomi Amkop Makassar, Indonesia
 Umar Syarifuddin, Sekolah Tinggi Ilmu Ekonomi Amkop Makassar, Indonesia
 Marniati Syam, Sekolah Tinggi Ilmu Ekonomi YAPI Bone, Makassar, Indonesia
 Sitti Mujahida Baharuddin, Sekolah Tinggi Ilmu Ekonomi Amkop Makassar, Indonesia
 Muhammad Natsir, Sekolah Tinggi Ilmu Ekonomi Amkop Makassar, Indonesia
 Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia

ID 356 Work Capability with Organizational Culture and Time Management on State Civil Apparatus Performance at the Community and Village Empowerment Service of South Sulawesi Province

Ramlan, Hendra Gunawan, Buyung Romadhoni, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Lukman Yudho Prakoso, Universitas Pertahanan Republik Indonesia, Bogor, Indonesia
 Ivone Ivone, Politeknik Cendana, Indonesia
 Irwanto Irwanto, Politeknik Lp3i Medan, Indonesia
 Cece Harahap, Sekolah Tinggi Ilmu Manajemen Sukma Medan, Indonesia

ID 189 Work Capability with Work Environment Management and the Effectiveness of Education and Training on Civil Servant Performance

Martina, Ansar, Syafri Arief, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Geminastiti Sakkir, Universitas Negeri Makassar, Makassar, Indonesia

Suriyani BB, Department of Public Administration, Halu Oleo University, Indonesia
 Erni Qomariyah, Department of Business Administration, Halu Oleo University, Indonesia
 Endah Setyowati, Department of Public Administration, Brawijaya University, Indonesia

December 19 (MONDAY) - Session: 12:00 – 1:45 pm

12:00 – 1:45 pm, MONDAY	Undergraduate Student Paper Competition	Virtual Room 1
Session Chair: Judging Committee		
ID 551 What did I forget? An investigation into refresher training intervals for a multi-skilled maintenance workforce CAPT Andrew Starka, Amany Akib, Hasan Turanb, Sondoss Elsawahb, Electrical Engineering Student a School of Engineering and Information Technology, University of New South Wales, Canberra, Australia		
ID 392 End-to-End Enterprise Visibility Software Packages Kiyavash Azim, Zack Wagoner, Samantha Giangreco, William Marquez, and Mohamed Awwad, Industrial and Manufacturing Engineering Department, California Polytechnic State University, San Luis Obispo, CA 93407, USA		
ID 243 Analysis of Transaction Security Effectiveness using Face Recognition on Digital Wallet Applications in Generation Z at Indonesia Yeslin Fentisia, Information Systems Department, School of Information Systems, Bina Nusantara University (BINUS), Jakarta, Indonesia Aulia Sisca Rahmadiyanti, Information Systems Department, School of Information Systems, Bina Nusantara University (BINUS), Jakarta, Indonesia Irene Dominika Wijaya, Information Systems Department, School of Information Systems, Bina Nusantara University (BINUS), Jakarta, Indonesia Evaristus Didik Madyatmadja, Information Systems Department, School of Information Systems, Bina Nusantara University (BINUS), Jakarta, Indonesia		
ID 26 Analysis of Yarn Quality Control Using FMEA and FTA Methods to Minimize the Occurrence of Non-Conforming Product (NCP) PT. XYZ Adam Muchammad Burhanuddin, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia Wahyudi Sutopo, University Centre of Excellence for Electrical Energy Storage Technology, Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia		
ID 620 The Assessment Model to Rank Applicants for Research and Development Job Position in PT ABC. Janice Santoso, Evy Herowati, Joniarto Parung, Industrial Engineering, Faculty of Engineering, University of Surabaya, Indonesia		
ID 487 Employee Engagement and Satisfaction, Culture and Workload as Four Influencing Factors that Affects the Productivity and Work Performance Efficiency of Warehouse Workers in Taytay, Rizal Dagamina, Kim Chazcele, Flores, Paolo Brando, Fausto, Juan Miguel, Gaudiel IV., Ireneo Elijah, Gavica, Lemuel Niel, Magbata, Klayne Janzel, Galingan, Romalyn, Palisoc, Arianne, Department of Industrial Engineering, College of Engineering and Architecture, Technological Institute of the Philippines - Quezon City, Cubao, Quezon City, Philippines		
ID 449 Multiple Regression Analysis on the Physical and Perceived Attributes of Quezon City Free Bus Service to Passenger Satisfaction Elijah Louise G. Briones, Criselle Mary Grace D. Dagami, Luzvimindo P. Garbo Jr., Shanette V. Gemino, Ian Gabriel Inay, Junna Jemina A. Lazaro, Romalyn L. Galingan, Arianne A. Palisoc, Department of Industrial Engineering, College of Engineering and Architecture, Technological Institute of the Philippines – Quezon City, Cubao, Quezon City, Philippines		

12:00 – 1:45 pm, MONDAY	LSS + High School Competitions	Virtual Room 2
Session Chair: Judging Committee		
LSS		
ID 506 A Systematic Review of the Implementation of Lean Six Sigma Tools to Improve the Logistics of Retail Businesses. Renzo Melgar Torres, Néstor Javier Plasencia Machuca and Rafael Mauricio Villanueva Flores, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú.		
ID 444 Optimization of the bicycle assembly process by applying tools Lean Manufacturing: A Case Study. Pamela V. Escobar-Arroyave, Yackleem Montero-Santos, Ramiro V. Saraguro-Piarpuezan, Jenyffer A. Yépez-Chicaiza and Edgar V. Lema-Cáceres, Facultad de Ingeniería en Ciencias Aplicadas, Universidad Técnica del Norte, Ibarra, Ecuador.		
ID 68 Resolving Gross Rejections in Assembly Manufacturing Plant Through 8D Methodology in Addressing High Cost of Non-Quality. Marilou Agapay-Bigcas, Klint Allen A. Mariñas, Michael N. Young, and Yogi Tri Prasetyo, School of Industrial Engineering and Engineering Management, Mapúa University, 658 Muralla St., Intramuros, Manila 1002, Philippines Klint Allen A. Mariñas and Yung-Tsan Jou, Department of Industrial and Systems Engineering, Chung Yuan Christian University, Taoyuan City, Taiwan Satria Fadil Persada, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia		
High School		
ID 369 Analysis of Research Trends in Artificial Intelligence and Healthcare Convergence using Text Mining Techniques Kim See You, Shin Dong Ho, Student and Professor, MY PAUL SCHOOL, 12-11, Dowontongmi-gil, Cheongcheon-myeon, Goesan-gun, Chungcheongbuk-do, Republic of Korea		

ID 322 Development of Performance Prediction Model of Deep Neural Network-Based Solar and Air Source Heat Pump Convergence System

Se In Jung, Shin Dong Ho, Student and Professor, MY PAUL SCHOOL, 12-11, Dowontongmi-gil, Cheongcheon-myeon, Goesan-gun, Chungcheongbuk-do, Republic of Korea

ID 367 Development of Solar Power Generation Prediction System using Artificial Intelligence

Lee Ji Yun, Shin Dong Ho, Student and Professor, MY PAUL SCHOOL, 12-11, Dowontongmi-gil, Cheongcheon-myeon, Goesan-gun, Chungcheongbuk-do, Republic of Korea

ID 412 Practice Makes Perfect: New Empirical Data and Statistical Analysis to Test Preconceived Notions.

Tei Kim, Stanford Online High School, Redwood City, CA 94063, USA

ID 677 Microplastics Pollution in Marine Life And Reduction Strategies through PET Hydrolase Enzyme Target of Ideonella Sakaiensis

Tasfia Nuzhat, Wiley Park Girls High school, NSW, Australia Australia

12:00 – 1:45 pm, MONDAY**Design and Analysis****Virtual Room 3**

Session Chair: Dr Ki Pyung Kim, University of South Australia

ID 458 A Multi-Criteria VAVE Design Case Study for fabricating Stainless Steel Equipment 304 and 430

Maricar M. Navarro, Industrial Engineering Department, Technological Institute of the Philippines, Cubao Quezon City
Bryan B. Navarro, Electrical Engineering Department, Technological Institute of the Philippines, Cubao Quezon City

ID 61 Public Space as an Alternative Method of Presentation of Visual Works (Case Study: BVRNLAB)

Gisela Anindita, Sebastianus Advent, New Media Program, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia

Servo Caesar Prayoga, Film Department, School of Design, Bina Nusantara University, Jakarta, Indonesia

Luky Wiranda, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia

ID 62 Retrospective Studies of Creative Thinking Research.

Donna Carolina, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia

Gisela Anindita, New Media Program, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia

Fentisari Desti Sucipto, Desain Komunikasi Visual, Institut Seni Budaya Indonesia Aceh, Indonesia

ID 69 The Potential of Visual Communication Design Work as an NFT Asset in The Virtual World Phenomenon

Mita Purbasari, Graphic Design & New Media Program, Visual Communication Design Department, BINUS Northumbria School of Design, Bina Nusantara University, Jakarta, 11480, Indonesia

Donna Carolina, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia

R Aditya Kristantomo P, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, 11480, Indonesia

Doddy Rizki Darmawan, Ni Putu Eka Laksmitha Devi, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia

ID 459 VAVE in optimizing the process of Semiconductor Industry in the Philippines

Maricar M. Navarro, Industrial Engineering Department, Technological Institute of the Philippines, Cubao Quezon City

Jasy M. Bangayan, Industrial Engineering Department, Technological Institute of the Philippines, Cubao Quezon City

Bryan B. Navarro, Electrical Engineering Department, Technological Institute of the Philippines, Cubao Quezon City

ID 357 Work Discipline and Job Promotion on Employee Performance through Motivation of PT Saptasaritama Makassar

Suherman, Baharuddin Baharuddin, Andi Tenri Fitriyah, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimanggalatung, Makassar, Indonesia

Husni Kamal, IAIN Lhokseumawe, Syaifuddin, Fajar Rezeki Ananda, Universitas Prima Indonesia

ID 534 Compensation and Work Culture for Lecturer Performance Through Organizational Climate

Rudi HK, Burhanuddin Baharuddin, Partono Sumaryo, Kurniawaty Kurniawaty, Djumran Yusuf, Umi Farida, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Dikson Junus, Universitas Gorontalo, Gorontalo, Indonesia

12:00 – 1:45 pm, MONDAY**Entrepreneurship and Innovation****Virtual Room 4**

Session Chair: Dr. Md. Mofijur Rahman, UTS, Sydney

ID 264 Design of Competitiveness Promotional Strategy Cv. Sri Mukti Using Swot Analysis and Qspm

Thoriq Baramillah, Student, School of Industrial Engineering Telkom University, Bandung, Indonesia

Maria Dellarosawati Idawicaksakti, Senior Lecturer, School of Industrial Engineering Telkom University, Bandung, Indonesia

Budi Praptono, Senior Lecturer, School of Industrial Engineering Telkom University, Bandung, Indonesia

ID 263 Digital Marketing Strategy Design at Rinus Marvent Indonesia Company Using SOSTAC Method

Muhamad Hiram Indaryani Putro, Industrial Engineering Bachelor Program, Telkom University, Bandung, Indonesia

Maria Dellarosawati Idawicaksakti, Industrial Engineering Bachelor Program, Telkom University, Bandung, Indonesia

Isnaeni Yuli Arini, Industrial Engineering Bachelor Program, Telkom University, Bandung, Indonesia

ID 131 Employee Engagement and Its Consequences: Case Study in MSME's

Entrepreneurship and Innovation Zainiyah Alfirdaus Bina Nusantara University Indonesia

ID 127 Increasing Intrapreneurial Orientation Incrementally: The Ingredient and Inspiration Across-Company in Indonesia Financing Industry

Heru Santosa Hadiyanto, Senior Lecturer, Binus Business School, Bina Nusantara University, Jakarta, Indonesia

ID 208 Practical Study of Digital Learning and Virtual Laboratory in Post-Pandemic Era

Hana Christabel, Communication Department, Faculty of Digital Communication and Hotel & Tourism, Bina Nusantara University, Jakarta, Indonesia
 Indra Prawira, Communication Department, Faculty of Digital Communication and Hotel & Tourism, Bina Nusantara University, Jakarta, Indonesia

ID 274 Rasch Model View: Does A Family Business Shape the Entrepreneurial Orientation?

Banu Rinaldi, Senior Lecturer, Business Creation Program, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia
 Randy Hadipoespito, Maria Grace Herlina, Ika Triana, Senior Lecturer, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 478 The Effect of Entrepreneurial Education of Vocational School on Student's Entrepreneurial Intentions by the mediation of Self-Efficacy

Devi Rosniawati and Jurry Hatammimi, Department of Management, School of Economics and business, Telkom University, Bandung, Indonesia

ID 270 The Strategy Formulation of Ethnic-Style Fashion in Indonesia: Case Study of KARJAKOE

Vania Lystia Vasyah and Selly Novela, Business Creation Program, Management Department, Bina Nusantara University, Jakarta, Indonesia.

12:00 – 1:45 pm, MONDAY**Case Studies****Virtual Room 5**

Session Chair: Dr Nagesh Shukla, UTS, Sydney

ID 234 Challenges of Party Autonomy to Party Institutionalization: A Case of Internal Party Conflict

Ridho Imawan Hanafi, Mouliza K. Donna Sweinstani, Esty Ekawati, Research Center for Politic-National Research and Innovation Agency, Jakarta, Indonesia

ID 235 Civilizing Process of Football in Indonesian Schools

Indhar Wahyu Wira Harjo, Department of Sociology Faculty of Social Sciences and Politics, Universitas Brawijaya, Malang, Indonesia

ID 165 Competence and Job Placement on Job Performance through Job Satisfaction in the Office of the XIX Region Land Transportation Management in South Sulawesi

Mardiana, Baharuddin, Baharuddin Baharuddin, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Firman H, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia
 Andries Lionardo, University of Sriwijaya, Palembang, Indonesia
 Muhamad Chairul Basrun Umanailo, Universitas Iqra Buru
 Chairun Nasirin, College of Health Sciences (STIKES), Mataram, Indonesia

ID 181 Compromise: Social Interactions of Political Elites Build Voter Networks

Mahatva Yoga Adi Pradana, Student, Sociology Doctoral Program, University of Brawijaya, Malang City, Indonesia
 Muhammad Lukman Hakim, Head of Sociology Doctoral Program, University of Brawijaya, Malang City, Indonesia

ID 67 Framing Analysis of The Social Media Account Belonging to Agus Harimurti Yudhoyono

Laskarko Patria and Margynata Kurnia Putra, Communication Department, Faculty of Economics & Communication, Bina Nusantara University, Jakarta, Indonesia
 Adie Erar Yusuf, Character Building Development Center, Bina Nusantara University, Jakarta, Indonesia

ID 170 Galvalume Composite Concrete Panel Puzzle with Iron Reinforcement

Sri Wiwoho Mudjanarko and Rizal Bahaswan, Departement of Civil Engineering, Narotama University, Surabaya, 60117, Indonesia
 Nawir Rasidi, Departement of Civil Engineering, Polinema Negeri Malang, Malang, 65141, Indonesia
 Achfas Zacoeb, Departement of Civil Engineering, Brawijaya University, Malang, 65141, Indonesia
 I Putu Artaya, Departement of Management, Narotama University, Surabaya, Indonesia
 Hendramawat Aski Safarizki, Departement of Civil Engineering, Veteran Bangun Nusantara University, Sukoharjo, Indonesia
 Syaiful, Departement of Civil Engineering, Ibn Khaldun University Bogor, 16161, Indonesia
 Mohd Fadzil Bin Arshad, Departement of Civil Engineering, Universiti Teknologi MARA, Malaysia
 Firdaus Pratama Wiwoho, Faculty of Civil and Environmental Engineering's Master Program, Institut Teknologi Bandung, Bandung, Indonesia

ID 207 Gaming Language as a Language Variations in Digital Humanities

Furianto and Risa Rumentha Simanjuntak, English Department, Faculty of Humanities, Bina Nusantara University, Jakarta, 11480, Indonesia

ID 312 Golden Rice Consumer Intention: A PLS-SEM Approach

Eric De Vera Reynoso, The International Rice Research Institute, Los Banos, Laguna, Philippines

12:00 – 1:45 pm, MONDAY**Case Studies****Virtual Room 6**

Session Chair: Dr Mumtaz Karatas, Turkish Naval Academy, Turkey

ID 495 Analysis of The Influence of Noise Factors on Concentration Based on Eeg Signal

Rahmaniyah Dwi Astuti, Doctoral Program in Industrial Engineering, Sebelas Maret University, Surakarta, Indonesia
 Rahma Sabilah Nurbi, Bambang Suhardi, Pringgo Widyo Laksono, and Irwan Iftadi, Industrial Engineering Department, Sebelas Maret University, Surakarta, Indonesia

ID 505 Analysis of the Relationship of Student Mental Workload to Learning Achievement with Academic Stress as an Intervening Variables

Dyah Santhi Dewi, Industrial and Systems Engineering Department, Institut Teknologi Sepuluh Nopember (ITS), Surabaya, Indonesia
 Nabila Avicenna Azzahra, Industrial and Systems Engineering Department, Institut Teknologi Sepuluh Nopember (ITS), Surabaya, Indonesia

ID 607 EEG Signal Based Anxious States among University Student during Covid-19 Pandemic in Response to Virtual Reality Exposure Therapy

Tiara Nur Fitri, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret (UNS), Surakarta 57126, Indonesia
 Lobes Herdman, Pringgo Widyo Laksono, Department of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret (UNS), Surakarta 57126, Indonesia

ID 277 Exploring the Relationship between Local Cultures and Road Safety: An Indonesia Perspective

Gradiyan Budi Pratama, Lecturer, Department of Industrial Engineering, Institut Teknologi Bandung (ITB), Bandung, Indonesia
 Hardianto Iridiastadi, Associate Professor, Department of Industrial Engineering, Institut Teknologi Bandung (ITB), Bandung, Indonesia

ID 617 Impact of Resilience and Sustainability on the Workforce towards Creative Performance: Looking Through the Lens of Digital Transformation Readiness

Ardaneswari Dyah Pitaloka Citraresmi, Sri Gunani Partiwi, and Ratna Sari Dewi, Student, Senior Lecturer, Department of Industrial and System Engineering, Institut Teknologi Sepuluh Nopember (ITS), Surabaya, Indonesia

ID 419 Psychosocial Factors Issues in Construction Worker's: a Systematic Review and Future Research Directions.

Muhammad Fajar Wahyudi Rahman, Sri Gunani Partiwi, Retno Widyaningrum, Industrial and System Engineering Department, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia

ID 613 REBA and RULA Evaluation on Cashier: A Case Study

Nor Suhada Abdullah, Koay Mei Hyie, Hamid Yusoff, Halim Ghafar, Syazwan Basiron, Lecturer, Center for Mechanical Engineering Studies, Universiti Teknologi MARA, Cawangan Pulau Pinang, Permatang Pauh Campus, 13500 Pulau Pinang, Malaysia

12:00 – 1:45 pm, MONDAY

Business Management

Virtual Room 7

Session Chair: Dr Sanjoy Paul, UTS, Sydney

**ID 163 An Action Research Study for Strategy Development To Increase Sales In A Home-Based Ghost Kitchen Business Model .
 Intan Rahmatillah**

Department of Industrial Engineering, Institut Teknologi Nasional (Itenas), Bandung, Indonesia
 Ivan Diryana Sudirman, Entrepreneurship Dept., Binus Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 355 Analysis of Green Marketing and Hotel Atmosphere on Purchase Decisions Through Customer Purchase Interest at Risata Bali Resort & SPA Tuban Bali

Fahrizal Ardianto, Nur Naningsih, Hasniaty, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Saiful Irfan, Politeknik Pelayaran Surabaya, Indonesia.
 Edi Winata, Sekolah Tinggi Ilmu Manajemen Sukma Medan
 Sutarno Sutarno, Politeknik Cendana
 Asri Sanusi, Politeknik Lp3i Medan

ID 158 Analysis of Investment Distribution Patterns and Its Location Determinants Based on Spatial Modeling.

ID 363 Analysis of Training and Development on Performance Through Professionalism and Hard Skill Competence for Civil service Police Unit in Jeneponto Regency

Suharnawan, Gunawan B. Ilyas, Syafri Arief, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Lukman Yudho Prakoso, Universitas Pertahanan Republik Indonesia, Bogor, Indonesia
 Syafruddin Ritonga, Communication Science Study Program, Faculty of Social and Political Sciences, Universitas Medan Area, North Sumatera, Indonesia
 Andries Lionardo, University of Sriwijaya, Palembang, Indonesia
 Muhamad Chairul Basrun Umanailo, Universitas Iqra Buru

ID 409 Antecedents of Behavioral Intention Indonesian Cruise Passengers to Travel on Cruise Industry

Lianna Wijaya, Management Department, Faculty of Binus Online Learning, Bina Nusantara University, Jakarta, Indonesia
 Bahtiar Usman, Sarfilianty Anggiani, and Hermanto Yaputra, Service Management, Faculty of Economy and Business, Trisakti University

ID 80 Attitude Towards and Intention to Use After Experiencing Autonomous Vehicles: Evidences from Indonesia

Asnan Furinto, Doctoral Research Management, School of Business Management, Bina Nusantara University, Jakarta, Indonesia
 Alvin Putradi Sasmita and Armendra, School of Business Management, Bina Nusantara University, Jakarta, Indonesia
 Dewi Tamara, MM Executive, Management Departement, BINUS Business School Master Program, Bina Nusantara University, Jakarta, Indonesia

ID 205 The Effects of Beneish's M-Score Model and Financial Ratio Analysis on Fraudulent Financial Statement Indications

Kezia Aviel Lumadi and Fransisca Hanita Rusgowanto, Accounting Department, Faculty of Economics & Communication, Bina Nusantara University, Jakarta, Indonesia

ID 662 How do the Top and the Least Performer Trucking Companies Differ in their Resilience Factors?

Ira Margaritha Sugianto, I Nyoman Pujawan and Jerry Dwi Trijoyo Purnomo, School of Interdisciplinary Management and Technology, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia

December 19 (MONDAY) - Session: 2:00 – 3:45 pm

2:00 – 3:45 pm, MONDAY**Undergraduate Student Paper Competition****Virtual Room 1**

Session Chair: Judging Committee

ID 390 The Effect of Sales Growth, Firm Size, Profitability, and Gender Diversity on Tax Avoidance: Studies on Food and Beverages Company from Indonesia

Dini Wahjoe Hapsari, Faculty of Economics and Business, Telkom University, Bandung, West Java, Indonesia

Putu Wahyudi Sinduarta, Faculty of Economics and Business, Telkom University, Bandung, West Java, Indonesia

ID 278 The Effect of Working from Home on Productivity, Motivation, and Job Satisfaction for Indonesian Office Workers

Andrea Maretha Putri and Daffa Ahmad Nabila, Undergraduate Student, BBS Undergraduate Program, Binus University, Bekasi, Indonesia

Leo Andri Yulius Caesar, Senior Faculty Member, Binus University, Bekasi, Indonesia

ID 647 Determining Vehicle Replacement Year Using Replacement Model

Prof. (Dr.) Varsha Karandikar, Professor, Vishwakarma Institute of Technology, Pune, Savitribai Phule Pune University, Pune, Maharashtra, India

Sunit Satpute Utkarsh Patil Pranav Pahlwan Atul Shingade and Pranav Shinde, Bachelor's in Technology, Industrial Engineering, Vishwakarma Institute of Technology, Pune, Savitribai Phule Pune University, Pune, Maharashtra, India

ID 502 Perceived Employee Engagement, Collaborative Capability, and Service Tenure as Correlates of Employee Performance: A Multivariate Analysis

America, Girlie, De Palma, Mary Leinel, Demalata, Fiona Mae, Denila, Robert Ryan, Inocencio, Bheatrixe, Oblino, Sharmae Jayne, Department of Industrial Engineering, College of Engineering and Architecture, Technological Institute of the Philippines – Quezon City, Cubao, Quezon City, Philippines

ID 627 Perceived Impact of HyFlex Online Class on the Academic Performance of Graduating Engineering Students

Hanz Jerald A. Atok, Kent Francis Barcelona, Earl Christian D. Palma, Donnavil T. Valenzuela, Department of Industrial Engineering, College of Engineering and Architecture, Technological Institute of the Philippines - Quezon City, Cubao, Quezon City, Philippines

ID 576 The Relationship of Academic Workload, Stress Level, Procrastination, and Academic Performance of 4th year Architecture and Industrial Engineering Students A.Y 2022-2023

Buenaventura, J, Jr., Garcia, M.G., Gan, M.J., Madero, S.A., Pizarro, J.J., Ramos, R.A., Usita, R.I., Industrial Engineering Department, Technological Institute of the Philippines, Quezon City, Philippines

ID 107 Virtual Art Exhibition to Encourage Traditional Culture Knowledge for Generation-Z

Andreas Kurniawan, Creative Advertising Program, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia

2:00 – 3:45 pm, MONDAY**Artificial Intelligence****Virtual Room 2**

Session Chair: Dr Spring Zhou, University of Wollongong

ID 55 A Study of the Association between the Parameters and Sound Quality of the Designs of Headphone Core

Lui Kwai Hong, Lucas, Poly University of Hong Kong, Hung Hom, Hong Kong

ID 371 Building models to predict patients' diagnostic at an Emergency Room using Artificial Neural Networks.

Carlos Hernández, Jaime Castillo, Departamento de Procesos Industriales, Universidad Católica de Temuco, Temuco, Chile

ID 246 Creativity, Writers Identity and Script Writing in The Age of Artificial Intelligence

Irfan rifai, Senior Lecturer, Binus University English Department, Bina Nusantara University, Jakarta, Indonesia

Athalla Afa Kresnaputra, Binus University English Department, Bina Nusantara University, Jakarta, Indonesia

ID 105 Design of Computer-Aided-Diagnosis (CAD) for Self-Assessment Tuberculosis in IndonesiaFaisal Asadi and Joko Pebrianto Trinugroho, Bioinformatics and Data Science Research Center, Bina Nusantara University, Jakarta, Indonesia
Bens Pardamean, Computer Science Department, BINUS Graduate Program, Master of Computer Science, Bina Nusantara University, Jakarta, Indonesia**ID 97 Entrepreneurial Mindfulness: URL and Application Based Artificial Intelligence Usability Evaluation**

Angeline, Department of Computer Science, Bina Nusantara University, Jakarta, Indonesia

Sasmoko, Primary Teacher Education Department, Faculty of Humanities, Research Interest Group in Educational Technology, Bina Nusantara University, Jakarta, Indonesia

Yasinta Indrianti, Entrepreneurship Department, Universitas Agung Podomoro, Jakarta, Indonesia

ID 537 The Implementation of Artificial Intelligence in Indonesia's Public Service: Challenges and Government Strategies.

Dr. Augustin Rina Herawati, Mrs Nina Widowati, Mrs Maesaroh, Lecturer, Public Administration, Faculty of Social and Political Science, Universitas Diponegoro

ID 532 Challenges in Automation - A review

Adil Dhawan, Parv Jain, Ainesh Dhawan, Piyush Tilokchandani, M.B. Kiran, School of technology, Pandit Deendayal Energy University, Gandhinagar, Gujarat, India

ID 514 Dependency Graphs for PLC Programming

Muhammad Usama, Asnan Farooq, and Ubaid Ullah, GIFT University Gujranwala, Pakistan

2:00 – 3:45 pm, MONDAY**Supply Chain****Virtual Room 3**

Session Chair: Dr Ki Pyung Kim, University of South Australia

ID 92 Analyzing the Factors Affecting the Behavioral Intention of Customers in a Testing Laboratory Facility using Structural Equation Modeling

Cristopher C. Bauzon, School of Information Technology, Mapua University, Intramuros, Manila, Philippines, Department of Science and Technology Industrial Technology and Development Institute, Bicutan, Taguig City, Philippines

Rex Aurelius C. Robielos, School of Industrial Engineering and Engineering Management, Mapua University, Intramuros, Manila, Philippines

ID 320 Comparison of Predictions Foreign Currency Exchange Rates (USD, JPY, EUR, GBP, CHF, CAD) to Rupiah (IDR) using Artificial Neural Network and Long Short-Term Memory

Wahyuning Hanifah Aprillia, Telkom University, Indonesia

ID 63 Prediction of 0-90 Employment Attrition for A Business Process Outsourcing (Bpo) In the Philippines Using Machine Learning

Mary Grace Surio, Manila Philippines, School of Information Technology, Mapua University 1191 Pablo Ocampo Sr. Extension, Barangay Santa Cruz, Makati City, Philippines

ID 423 Prognostics and Health Management on MASTER-T Radar Maintenance Using Failure Mode Effect and Criticality Analysis Method to Predict Critical Failures and Extend Life

Hendrawan Candra Purnama, Master Graduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36A, Surakarta 57126, Indonesia

Susy Susmartini, Industrial Engineering Program, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36A, Surakarta 57126, Indonesia

Lobes Herdman, Industrial Engineering Program, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36A, Surakarta 57126, Indonesia

ID 309 Success Model of Cloud-Based ERP using Six Sigma Method (Case Study of PT Gamma – Food & Beverage Company in Indonesia)

Chrysan Kirana and Prio Utomo, Department of Technology Management, Faculty of Business, Universitas Multimedia Nusantara, Banten, Indonesia

Mohammad Ichsan, Management Program, Binus Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

Julbintor Kembaren, Business Management Program, Binus Business School Master Program, Bina Nusantara University, Jakarta, Indonesia

ID 323 Analysis of Product Development in The Muslimah Sock Industry in Indonesia

Eka Maya Sari Siswi Ciptaningsih, Senior Lecturer, Business Creation Department, BBS-UP, Bina Nusantara University, Jakarta, Indonesia

Nopriadi Saputra, Management Department, BBS-UP, Bina Nusantara University, Jakarta, Indonesia

Azizazmi Ahmadiham, Management Department, BBS-UP, Bina Nusantara University, Jakarta, Indonesia

M. Rama Handika, Management Department, BBS-UP, Bina Nusantara University, Jakarta, Indonesia

Muhammad Wildan, Management Department, BBS-UP, Bina Nusantara University, Jakarta, Indonesia

ID 114 Community participation in transforming villages into tourist villages with the power of social capital.

Agung Hari Sasongko, BINUS Entrepreneurship Center, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

Glory Aguzman, BINUS Entrepreneurship Center, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

Yuli Eni, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

2:00 – 3:45 pm, MONDAY**Occupational Safety and Health (OSH)****Virtual Room 4**

Session Chair: Dr. Md. Mofijur Rahman, UTS, Sydney

ID 609 Strategy Design to Improve Safety on Electronic Manufacturing

Bidenisa Yulfarida Siswoyo, Department of Industrial Engineering, University of Indonesia, Depok, Indonesia

Maya Arlini Puspasari, Department of Industrial Engineering, University of Indonesia, Depok, Indonesia

ID 138 Technical Skills on Patient Satisfaction through Service Quality and Pharmacist Professionalism at The City and Lasepang Health Centers in Bantaeng District, Bantaeng Regency

Ihwana, Muhammad Yahya, Trimaya Cahya Mulat, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Yusep Mulyana, Universitas Pasundan, Bandung, Indonesia

Lisa Lisa and William Vincent, Politeknik Cendana

Isra Maulina, IAIN Lhokseumawe

ID 589 The Effect of Counseling Methods on Covid-19 Prevention through Personal Hygiene and Social Distancing in the Work Area

Sadrayarti, Sekolah Tinggi Ilmu Ekonomi Amkop, Makassar, Indonesia

Hasmin Tamsah, Sekolah Tinggi Ilmu Ekonomi Amkop, Makassar, Indonesia

Mansur Azis, Sekolah Tinggi Ilmu Ekonomi Amkop, Makassar, Indonesia

Reski Dewi Pratiwi, Institut Ilmu Kesehatan Pelamonia Makassar, Makassar, Indonesia

Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia

Purnomo Purnomo, Sekolah Tinggi Ilmu Ekonomi Amkop, Makassar, Indonesia

Darti Darti, Sekolah Tinggi Ilmu Ekonomi Amkop, Makassar, Indonesia

ID 362 The Effect of Exercise Habits and Low-salt Diet on Blood Pressure Control and Its Impact on The Quality of Life of Hypertensive Patients

Rahmawati and Rasjidin Abdullah, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia

Gazali Salim, Universitas Borneo, Tarakan, Indonesia

Nina Siti Salmaniah Siregar, Communication Science Study Program, Faculty of Political and Social Sciences, Universitas Medan Area, North Sumatera, Indonesia

Syafruddin Ritonga, Communication Science Study Program, Faculty of Social and Political Sciences, Universitas Medan Area, North Sumatera, Indonesia

ID 179 The Effect of Locus of Control and Competency on Medical and Paramedic Functional Performance through Motivation in The Center of Veterines Maros

Gembong Rachmadany, Hendra Gunawan and Muhammad Tamrin, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

A. Suparlan Isya Syamsu, Pharmacy Department, Universitas Megarezky, Makassar, Indonesia

Muhamad Chairul Basrun Umanailo, Universitas Iqra Buru

Wiwi Rumaolat, STIKes Maluku Husada

Chairun Nasirin, College of Health Sciences (STIKES), Mataram, Indonesia

ID 590 The Effect of Service Quality with Facilities on Patient Satisfaction through the Image of Public Health Centre

Salihin, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Baharuddin Baharuddin, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Ekafadly Jusuf, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Musni, Akademi Kebidanan Batari Toja, Makassar, Indonesia

Ilham Shah Azikin, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Muhammad Taufik, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Akhmad Syarifuddin, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

ID 225 The Influence of Human Resources Competence and Compensation on Job Satisfaction Through Excellent Service at Lagaligo Hospital I in East Luwu Regency

Jamal, Rasyidin Abdullah and Gunawan B. Ilyas, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia

Dewi Mayangsari, Trunojoyo University, Madura, Indonesia

Yunanfathur Rahman, Universitas Negeri Surabaya, Surabaya, Indonesia

Diana Budi Darna, Universitas Negeri Surabaya

ID 220 The Influence of Mother's Knowledge, Attitude and Education Level on Maternal Toddler Participation in Integrated Service Post Activities

Sitti Nahajerah, Ansar, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Ekafadly Jusuf, Fakultas Ekonomi dan Bisnis, Universitas Hasanuddin, Makassar, Indonesia

Rachmayanthi Rachmayanthi, Department of Correctional Technic, Indonesia

Ali Muhammad, Department of Community Guidance, Indonesia

Ida Sriwaty Sunarjo, Department of Physiology, Universitas Halu Oleo, Indonesia

Muhamad Chairul Basrun Umanailo, Universitas Iqra Buru, Indonesia

ID 675 Do Women directors affect firm value? A study from India

Sonam Chawla, Assistant Professor, Department of Organizational Behaviour and Human Resource, Jindal Global Business School, O.P. Jindal Global University, India

Ateequr Rahman, Ph.D. Research Scholar, School of Management and Entrepreneurship, Indian Institute of Technology, Jodhpur, India

2:00 – 3:45 pm, MONDAY

Case Studies

Virtual Room 5

Session Chair: Dr Nagesh Shukla, UTS, Sydney

ID 405 Government Policy on Tourism Management in Situngkir Village, Pangururan District, Samosir Regency, North Sumatra, Indonesia

Agung Suharyanto, Beby Masitho Batubara and Adam, Public Administration Study Program, Faculty of Social and Political Sciences, Universitas Medan Area, Indonesia

Armansyah Matondang & Syafruddin Ritonga, Communication Science Study Program, Faculty of Social and Political Sciences, Universitas Medan Area, North Sumatera, Indonesia

M. Citra Ramadhan & Anggreni Atmei Lubis, Faculty of Law, Universitas Medan Area, North Sumatera, Indonesia

ID 442 Impact of Petroleum on National Debt as a Decomposed General Macroeconomic Theory NonLinear Stationary Markov Switch Process

Chibwe Joseph D.B, Lecturer, School of Business Economics and Management, University Lusaka (UNILUS), Lusaka, Zambia

Dr. Lubinda Habazoka and Dr. Kasongo Mwale Richard, Graduate School of Business, University of Zambia, Lusaka, Zambia

ID 184 Information Uncertainty during the Indonesian Pandemic: Sociological Perspectives

Rizki Setiawan, Septi Kuntari and Stevany Afrizal, Department of Sociology Education, University of Sultan Ageng Tirtayasa, Serang, Indonesia

Musahwi, Department of Sociology of Religion, IAIN Syekh Nurjati, Cirebon, Indonesia

ID 194 Islamic Boarding Schools and Sanitation Problems

Dewi Puspita Rahayu, Department of Sociology, Universitas Brawijaya, Malang, Indonesia

ID 566 Lecturer Motivation and Certification on Lecturer Performance through Job Satisfaction

Mahmud Hasan, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Mattalatta Mattalatta, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Gunawan Bata Ilyas, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Novayanti Sopia Rukmana, Universitas Negeri Makassar, Makassar, Indonesia

Arifin Rauf, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Munir Rauf, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Hasanuddin Rauf, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

ID 406 Media Reconstruction of Brawl Between Residents in Belawa

Dedi Sahputra and Rehia Isabella Karenina Barus, Communication Science Study Program, Faculty of Social and Political Sciences, Universitas Medan Area, North Sumatera, Indonesia
 Bahrum Jamil, Agung Suharyanto and Nina Angelia, Public Administration Study Program, Faculty of Social and Political Sciences, Universitas Medan Area, North Sumatera, Indonesia
 Niarita Bukit, Management Department, Faculty of Economic, Universitas Sisingamangaraja XII Tapanuli, North Sumatera, Indonesia
 Agus Mulia, Agency for Language Development and Cultivation, Regional Agency for Language in North Sumatra Province, Indonesia

ID 196 MOPO'A HUTA RITUAL; The Resistance of Maize Peasants toward Agropolitan Program

Momy A. Hunowu, Department of Sociology, State Islamic University of Sultan Amai, Gorontalo, Indonesia
 Munsil Lampe, Nurul Ilmi Idrus and Safriadi, Departement of Anthropology, Hassanuddin University, Makassar, Indonesia

ID 156 New Normal Life Strategy Through Local Indigenous Penta helix Collaboration: Case Study of "Kampung Tangguh Semeru Wani Jogo Suroboyo" Policy of Surabaya

Faza Dhora Nailufar, Public Administration Department, Polytechnic of STIA LAN Jakarta, Jakarta, Indonesia
 Novy Setia Yunas, Department of Political Science, University of Brawijaya, Malang, Indonesia

2:00 – 3:45 pm, MONDAY

Business Management

Virtual Room 6

Session Chair: Dr Mumtaz Karatas, Turkish Naval Academy, Turkey

ID 329 Lean Manufacturing Tools for Operations Management based on PDCA cycle

Alvarez-Mosquera Pedro José and Arce-Ureña Daniela Estefanía, Business Administration School, Universidad del Azuay, Cuenca, Ecuador
 Juan Manuel Maldonado-Matute, Maria Jose Gonzalez Calle, Ana Carolina Armijos-Orellana and Pedro Fernando Guerrero Maxi, UDA Business Observatory, Bussiness Administration School, Universidad del Azuay, Cuenca, Ecuador

ID 435 Literature review study of Moroccan SME's Internationalization

Nejjari Jihane, PhD student, Interdisciplinary Laboratory of Research and Applications in Management " LIRAM ", National School of Business and Management of Oujda, Morocco
 Hassine Mostafa, Professor, Interdisciplinary Laboratory of Research and Applications in Management " LIRAM ", National School of Business and Management of Oujda, Morocco

ID 634 Mapping the Research Landscape of the International Organizational Climate Using Bibliometric Analysis

Amalou Sif Islem, Ph.D. Student in Human Resources Management, Higher National School of Management, Koléa, Algeria
 Naga Nahla, Senior Researcher, Research Centre in Applied Economy for Development, Algiers, Algeria

ID 519 Perceptions of Management of Kanzus Sholawat on The Ethics of Preparing Financial Statements Based on Psak 112 Accounting at The Boarding School

Imam Prayogo, Muhammad Ubaidillah and Muhammad Wildan Sholih, Departement of Accounting, PSDKU Pekalongan, Diponegoro University, Tanggunganom, Tj. Kulon, Kec. Kajen, Kabupaten Pekalongan, Jawa Tengah, Indonesia
 Annisa Qurrota A'yun, Departement of Financial Management, PSDKU Rembang, Diponegoro University, Indonesia
 Jumadil Saputra, Departement of Accounting, PSDKU Rembang, Diponegoro University, Indonesia

ID 78 Performance in Digital Marketing Capabilities in Property Industry

Dewi Tamara, MM Executive, Management Departement, BINUS Business School Master Program, Bina Nusantara University, Jakarta, Indonesia
 Pantry Heriyati, Doctoral Research Management, School of Business Management, Bina Nusantara University, Jakarta, Indonesia
 Anita Maharani, MM Business Management, Management Departement, BINUS Business School Master Program, Bina Nusantara University Jakarta, Indonesia

ID 14 Quality of Customer Service, Lean Service and Agility Tools in the Contact Center of Companies from the Telecommunications Sector: A Review of the Literature

Angie Sofia Mautino-Guadalupe and Josely Luzmila Fernández-Damián, Faculty of Engineering and Architecture, University of Lima, Lima, Perú
 Martín Collao-Díaz and Juan Carlos Quiroz-Flores, Research Professors, Faculty of Engineering and Architecture, University of Lima, Lima, Perú

ID 295 Reward and Individual Ability on Employee Performance Through Job Satisfaction at the Office of the Human Resources Development Agency of South Sulawesi Province

Cicilia Hartutik, Nasruddin Nawawi and Mansur Azis, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Firman H, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia
 Agus Subandi, Lery Prasetyo and Widia Darma, STAB Negeri Raden Wijaya Wonogiri, Indonesia

ID 384 Short Term Consumer Credit Interest Rate conundrum and the ineffectiveness of Policy Regulatory Intervention

Henry Lukama Chikweti and Lubinda Haabazoka, Graduate School of Business, University of Zambia
 Jackson Phiri, School of Computer Science, University of Zambia

2:00 – 3:45 pm, MONDAY

Business Management

Virtual Room 7

Session Chair: Dr Sanjoy Paul, UTS, Sydney

ID 404 How North Sumatra is Dealing with Covid-19 (An Overview of Communications Management)

Dedi Sahputra, Taufik Wal Hidayat, Ilma Saakinah Tamsil and Ara Auza, Communication Science Study Program, Faculty of Social and Political Sciences, Universitas Medan Area, North Sumatera, Indonesia
 Bahrum Jamil, Beltahmamero Simamora, and Marlina Deliana, Public Administration Study Program, Faculty of Social and Political Sciences,

Universitas Medan Area, North Sumatera, Indonesia

ID 434 How to make Waqf as exit strategy in Achieving Sustainable Development Goals (SDGs) in Aceh

Damanhur, University of Malikussaleh, Indonesia
Rico Dwi Cahyo, University of Malikussaleh, Indonesia

ID 562 Human Relations and Physical Environmental Conditions on Work Ethic and Performance

Haerussalam, Hasmin Tamsah, Wagiman S, Saban Echdar and Jamaluddin Bata Ilyas, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Zakir Muhammad, STIE Panca Bhakti Palu, Palu, Indonesia
Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimanggalatung, Makassar, Indonesia

ID 427 Human Resources Competence as a Link to the Effect of Strategic Planning on Company Performance the Regional Drinking Water Company

Wardayani Wardayani, Azhar Maksum, Erlina Erlina and Rina Bukit, Faculty of Economy and Business, Universitas Sumatera Utara, Medan, Indonesia
Wardayani Wardayani, Department of Management, Sekolah Tinggi Ilmu Manajemen Sukma, Medan, Indonesia

ID 119 Impact of Coaching and Digital Leadership on Employee Individual Performance: A Conceptual Framework

Fauziah Zulfritri, Master Student, Faculty of Economics and Business, Telkom University, Bandung, Indonesia
Triaji Prio Pratomo, Doctoral Student, Faculty of Business and Economics, Islamic University of Indonesia (UII), Yogyakarta, Indonesia

ID 296 Incentives and Work Ability on Job Satisfaction through Performance

Kasrul, Ansar and Muhammad Nur Fattah, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Lina Marlina, Politeknik Triguna, Tasikmalaya, Indonesia
Gustia Harini, Universitas PGRI Sumatera Barat
Gabriel Fredi Daar, Universitas Katolik Indonesia Santu Paulus Ruteng
Ni Made Ayu Sulasmini, Bisnis Digital Institut Pariwisata dan Bisnis Internasional

ID 39 The Impact of Automation on the Accounting Profession - The Perspective of Indonesian Accountants

Christopher Jonathan Adianto, Valentina Tohang, and Rosaline Tandiono, International Accounting & Finance Program, Accounting Department, Faculty of Economics & Communication, Bina Nusantara University, Jakarta, Indonesia

December 19 (MONDAY) - Session: 4:00 – 5:45 pm

4:00 – 5:45 pm, MONDAY

Undergraduate Research Competition

Virtual Room 1

Session Chair: Judging Committee

ID 411 Comparative Mental Workload Assessment of Work Arrangements for Call Center Agents

Charlene H. Ballad, Sheeno F. Dasmariñas, John Margel A. Otalla, Rhea Ann G. Perez, and Maria Louise C. Valenzuela, Industrial Engineering Department, Technological Institute of the Philippines – Manila, 363 P. Casal St., Quiapo, Metro Manila, Philippines
Janina Elyse A. Reyes, Professor of Industrial Engineering Department, Technological Institute of the Philippines, Quiapo, Metro Manila, Philippines

ID 17 Development of a computerised maintenance management system learning tool

Tatenda Youdia Mpisa, Harare Institute of Technology, Zimbabwe

ID 586 Factors Bridging the Satisfaction of Generational Cap among Philippine Delivery Riders with the Use of Safety Mobile Application

Raineri Albert Grafil and Ethan Tumala, Department of Industrial Engineering, College of Engineering and Architecture, Technological Institute of the Philippines – Quezon City Campus, Quezon City, Philippines

ID 574 Investigating the Effectiveness of Physical Exercises and Relaxation Technique: Occupational Stress and Health Problem Prevention Among Provincial Bus Drivers In Quezon City

Mark Loel Badilla, Christian De Leon, Bernard A. Lamsin, Nicole Makiyama, Joshua Pabilan, John Michael Vigilla and Romalyn L. Galingan, Department of Industrial Engineering, College of Engineering and Architecture, Technological Institute of the Philippines – Quezon City, Cubao, Quezon City, Philippines

ID 513 Prediction of Peruvian companies' stock prices using Machine Learning

Jose Antonio Espíritu Pera, Senior Lecturer, School of Industrial Engineering, Universidad de Lima, Lima, Perú
Alexis Oneil Ibañez Díaz, Senior Lecturer, School of Industrial Engineering, Universidad de Lima, Lima, Perú
Yvan Jesús García López and José Antonio Taquíá Gutiérrez, School of Industrial Engineering, Universidad de Lima, Lima, Perú

ID 344 The Impact of Culture in Organisational Development and Change Management at a large retailer in Soweto

T. Rikhotso, Department of Quality and Operations Management, University of Johannesburg, Johannesburg, South Africa
T. Tshabalala, Department of Quality and Operations Management, University of Johannesburg, Johannesburg, South Africa

4:00 – 5:45 pm, MONDAY

Human Factors and Ergonomics Competition

Virtual Room 2

Sponsored by CINTAS

Session Chair: Dr Cafer Avci, National Electric Vehicle Sweden and / Dr Ripon K. Chakraborty, UNSW Canberra

ID 333 Workload Assessment of Online Classes on Teachers in Technological Institute of the Philippines - Manila

Thea G. Espinueva, Vincent Matthew F. Labrador, Angel Shaine N. Martin, Christine Joy V. Olanosa and Mary Jo M. Santiago, Industrial Engineering Department, Technological Institute of the Philippines – Manila, Philippines

Janina Elyse A. Reyes, Industrial Engineering Department – Adviser, Technological Institute of the Philippines – Manila, Philippines

ID 133 Ergonomics and Human Factors in Rice Farm: A Link for Safety and Efficiency

Charmine Sheena R. Saflor, Christy Maria C. Sanchez and Michelle D. Enriquez, College of Engineering, Occidental Mindoro State College Labangan, San Jose, Occidental Mindoro, Philippines
Klint Allen A. Mariñas, School of Industrial Engineering and Engineering Management, Mapúa University, 658 Muralla St., Intramuros, Manila, Philippines
Yung-Tsan Jou, Department of Industrial and Systems Engineering, Chung Yuan Christian University, Taoyuan City, Taiwan

ID 34 Impact of Corporate Coaching and Digital Leadership on Employee Sustainable Performance with Work-Life Integration as Mediating Variable: A Conceptual Framework

Triaji Prio Pratomo, Doctoral Student, Faculty of Business and Economics, Islamic University of Indonesia (UII), Yogyakarta, Indonesia
Fiona Wang, Doctoral Student, Faculty of Leadership and Innovation Policy, Gajah Mada University (UGM), Yogyakarta, Indonesia
Fauziah Zulfitri, Master Student, Faculty of Economics and Business, Telkom University, Bandung, Indonesia

ID 35 Impact of Work Demand and Job Autonomy on Employee Sustainable Performance with Digital Leadership as Moderating Variable: A Proposed Framework

Eko Yulianto, Triaji Prio Pratomo, Zulkifli Zein and Lalu Supardin, Doctoral Students, Faculty of Business and Economics, Islamic University of Indonesia (UII), Yogyakarta, Indonesia

ID 343 Improving Ergonomics to Sustain Improved Operations for Visually Impaired at The Society of The Blind

Dr T. Tshabalala, Department of quality and operations management, University of Johannesburg, South Africa

ID 616 The Effect of Split Sleep on Fatigue Based on The Ocular Indicator: A Train Simulator Study

Senior Lecturer, School of Mechanical Engineering, University Technology Malaysia (UTM), Johor Bahru, Malaysia
Senior Lecturer, School of Mechanical Engineering, University Technology Malaysia (UTM), Johor Bahru, Malaysia

ID 334 Workload Assessment of Online Classes on Teachers in Technological Institute of the Philippines - Manila

Thea G. Espinueva, Vincent Matthew F. Labrador, Angel Shaine N. Martin, Christine Joy V. Olanosa and Mary Jo M. Santiago, Industrial Engineering Department, Technological Institute of the Philippines – Manila, Philippines
Janina Elyse A. Reyes, Industrial Engineering Department – Adviser, Technological Institute of the Philippines – Manila, Philippines

ID 669 The Impact of Corporate Governance Practices on Employee Work-Life Balance: An Empirical Study

Sonam Chawla, Assistant Professor, Department of Organizational Behaviour and Human Resource, Jindal Global Business School, O.P. Jindal Global University, India
Ateequr Rahman, Ph.D. Research Scholar, School of Management & Entrepreneurship, Indian Institute of Technology, Jodhpur, India

4:00 – 5:45 pm, MONDAY

Graduate Student Paper Competition

Virtual Room 3

Session Chair: Judging Committee

ID 46 Evaluation and Prediction of Carbon Footprint: The Case of Ahsanullah University of Science and Technology

Akash Saha, Ahsanullah University of Science and Technology, Bangladesh

ID 417 A Study on Impact of Covid-19 Pandemic on Mental Health of Students'

Abhishek H, Department of Management Studies, Ramaiah University of Applied Sciences, India
Sivaranjini E, Department of Management Studies, Ramaiah University of Applied Sciences, India
Reshma K J, Department of Management Studies, Ramaiah University of Applied Sciences, India

ID 410 Influence of Features, Ease of Use, Security, Trust, and Social Influence on Decision to Use Digital Banking

Christine Tanika, Binus Business School, BINUS University, Jakarta, Indonesia
William, Binus Business School, BINUS University, Jakarta, Indonesia
Michael Putra Hartanto, Binus Business School, BINUS University, Jakarta, Indonesia
Miranda Hotmadia Tanjung, S.E., M.M., Ph.D., Binus Business School, BINUS University, Jakarta, Indonesia

ID 490 Proximate and Ultimate Analysis of Indonesian Bamboo for Power Electrical Generation

Elysia Maida Joanda, Mohd Zamri Mohd Yusop and Jafri Mohd Rohani, School of Mechanical Engineering, Faculty Engineering, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia
Norhuda Abdul Manaf, Department of Chemical Process Engineering, Malaysia-Japan International Institute of Technology, Universiti Teknologi Malaysia, Kuala Lumpur, Malaysia
Budi Hartono, Mechanical and Industrial Engineering Department, Gadjah Mada University, Yogyakarta, Indonesia
Nguyen Duc Tuyen, School of Electrical Engineering, Hanoi University of Science and Technology, Hanoi, Vietnam
Abdul Samad Ahmad, MyBamboo Sdn. Bhd., Subang Jaya, Selangor, Malaysia

ID 426 The Effect of Talent Attraction, Talent Retention, And Talent Management as A Mediating Variable on Organizational Performance A Case Study in The Coal Mining Company of Pt Abc

Edward Sembiring, Master Student in Management, Bina Nusantara Business School, Bina Nusantara University, Jakarta, Indonesia
Nur Damayanti, Lecturer in Management, Bina Nusantara Business School, Bina Nusantara University, Jakarta, Indonesia

ID 425 Development and Validating of Measuring Tools in Occupational, Safety and Health (OSH) Culture

Nur Laila Nabilah Mohamad Naser, Engineering Student, School of Mechanical Engineering, Faculty Engineering, Universiti Teknologi Malaysia Skudai, Johor, Malaysia
Jafri Mohd Rohani, Senior Lecturer, School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia

ID 94 Improvement of Facility Management of the Sump Pit Drainage System of Building XYZ through Knowledge-based Assessment of its Maintainability

Rombert Brian B. Malate, Klint Allen A. Mariñas, Michael N. Young, and Yogi Tri Prasetyo, School of Industrial Engineering and Engineering Management, Mapúa University, 658 Muralla St., Intramuros, Manila 1002, Philippines
 Klint Allen A. Mariñas and Yung-Tsan Jou, Department of Industrial and Systems Engineering, Chung Yuan Christian University, Taoyuan City, Taiwan
 Satria Fadil Persada, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 351 A Social Media Analysis of the Prevalence of COVID-19 on Public Transit Ridership in the United States

Likhitha Yelamanchili, Department of Computer Science, San Jose State University, San Jose, CA 95192, USA
 Egbe-Etu Etu, PhD, Department of Marketing & Business Analytics, San Jose State University, San Jose, CA 95192, USA
 Lin Jiang, PhD, Department of Mechanical Engineering, San Jose State University, San Jose, CA 95192, USA
 Imokhai Tenebe, PhD, Software Engineer, Westerville, OH 43081, USA
 Onome Edo, Department of Information Systems, Auburn University at Montgomery, Montgomery, AL 36117, USA

4:00 – 5:45 pm, MONDAY**Data Analytics and Big Data****Virtual Room 4**

Session Chair: Prof. Dr. M. Shamsuzzaman, University of Sharjah, UAE

ID 584 Achieving Data Driven Decision-Making Quality Through Digital Leadership and Organizational Optimization

Syed Shariq, Felicita Chromjaková, and Khalid Ahmed Attia Mohamed, Faculty of Management and Economics, Department of Industrial Engineering and Information Systems, Tomas Bata University in Zlin, Czech Republic

ID 337 A Cross-National Examination of the Newsvendor Behavior

Ümmühan Akbay, Department of Management, Işık University, Istanbul 34980, Turkey

ID 440 Determinants of Big Data Adoption: An Empirical Study on Sri Lankan Firms

Sachini Nidusha Weerasinghe, Department of Management of Technology, Faculty of Business, University of Moratuwa, Sri Lanka
 Nihal Jayamaha, Department of Operations & Engineering Innovations, School of Food and Advanced Technology, Massey University Private Bag 11222, Palmerston North 4442, New Zealand

ID 104 Time Series Model to Predict Future Popular Animes Genres in 2025

Nathanael Setiawan, Jayson Mikael Hendra, Bernard Wijaya, Nunung Nurul Qomariyah and Maria Seraphina Astriani, Computer Science Department, Faculty of Computing and Media, Bina Nusantara University, Jakarta, Indonesia

ID 59 A Gender based Study on Filipino Overseas Graduate Students in Presidential Preference in 2022 Election

Charmine Sheena R. Saflor and Klint Allen A. Marinas, Department of Industrial Engineering, Occidental Mindoro State College, Labangan, San Jose Occidental Mindoro, Philippines
 Charmine Sheena R. Saflor, Klint Allen A. Marinas and Yung-Tsan Jou, Department of Industrial and Systems Engineering, Chung Yuan Christian University, Taoyuan City, Taiwan
 Cedrick Johnlery S. Judilla, Department of Electronics Engineering, Chung Yuan Christian University, Taoyuan City, Taiwan

ID 219 Analysis of Electronic Procurement of Goods and Services in Central Mamuju Regency Government

Muhammad Aswar, Ansar and Hendra Gunawan, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Lina Marlina, Politeknik Triguna, Tasikmalaya, Indonesia
 Chairun Nasirin, College of Health Sciences (STIKES), Mataram, Indonesia
 Andries Lionardo, University of Sriwijaya, Palembang, Indonesia
 Muhamad Chairul Basrun Umanailo, Universitas Iqra Buru

ID 299 Analysis of Human Capital on Teacher Performance Through Discipline and Professionalism in the Technical Implementation Unit of State Senior High School 5 Jeneponto

Resa Nur Arpani, Mustari and Gunawan B. Ilyas, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Misnawati, Sekolah Tinggi Ilmu Hukum Pengayoman, Indonesia
 Fahmi Sulaiman, Sekolah Tinggi Ilmu Manajemen Sukma
 Elsera Siemin Ciamas and Ngajudin Nugroho, Politeknik Cendana

ID 193 Analysis of the Effect of Health Promotion and Personal Hygiene on Covid 19 through Physical Distancing in Central Mamuju Regency

Patunrengi and Hasmin Tamsah, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Rasjidin Abdullah, Universitas Muslim Indonesia, Makassar, Indonesia
 Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia
 Muhammad Aswan Zanyu and M. Najib Husain, Department of Communication and Journalism, Halo Oleo University, Indonesia
 Sirajuddin, Department of Journalism, Halo Oleo University, Indonesia

4:00 – 5:45 pm, MONDAY**Case Studies****Virtual Room 5**

Session Chair: Dr Santoso Wibowo, Central Queensland University and Dr Samrad Jafarian-Namin, University of Mohaghegh Ardabili, Iran

ID 571 Organizational Culture and Work Capability on Employee Performance through the Effectiveness of the Performance Improvement Forum

Syakirin and Budiman, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Syahrudin, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Stepanus Dedy Deomedes, Universitas Balikpapan, Balikpapan, Indonesia
 Burhanuddin Baharuddin, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Mauli Kasmi, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Harifuddin Harifuddin, Politeknik Pertanian Pangkep, Makassar, Indonesia

ID 200 Political Alms: Patronage Practices in the 2019 Legislative Election in South Sumatra
 Ridhah Taqwa and Zulfikri Suleman, University of Sriwijaya, Palembang, Indonesia

ID 187 Professionalism Analysis of the Discipline and Performance of Police Officers at Polres Jenesponto
 Bakri, Muhammad Aswar, Ansar and Syafri Arief, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Annisa Retrofilia Umanailo, Universitas Sriwijaya, Indonesia
 Muhamad Chairul Basrun Umanailo, Universitas Iqra Buru, Indonesia
 Wiwi Rumaolat, STIKes Maluku Husada, Indonesia

ID 45 Resilience and Well-Being Among Young Adults in Jakarta During the COVID-19 Pandemic: A Correlational Study
 Agnes br Sinurat, Naftali Naomi Karunia Aritakarina, Syifa Nadhira, Angela Dyah Ari Pramastyaningtyas and Antonina Pantja Juni Wulandari
 Psychology Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 203 Revisiting Indonesian Youth Nationalism in the Indonesia-Malaysia Borderland
 Addin Kurnia Putri and Ignatius Agung Satyawan, Department of Sociology, Universitas Sebelas Maret, Surakarta, Indonesia

ID 573 School Environment and Parents' Motivation on Learning Outcomes through Student Learning Behavior at UPT Vocational Schools
 Abdul Hakim, Misbahuddin, Ayu Anggraini and Munir Munir, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Habibur Rahman and Akh. Syaiful Rijal, Institut Agama Islam Negeri Madura, Indonesia

ID 365 Smartphone-Assisted Language Learning: A Breakthrough for English Learning Autonomy
 Santiana, Fera Sulastri, Asri Siti Fatimah, Abdul Gafur Marzuki, Saidna Zulfiqar Bin-Tahir and Andi Asrifan, English Education Department, Siliwangi University, West Java, Indonesia

ID 668 The Potential of Floating House as A Solution for The Utilization of Water Area in Indonesia
 Arie Indartono, Shipbuilding Institute of Polytechnic Surabaya (PPNS), Department of Business management, Surabaya, Jawa Timur, 60111, Indonesia
 Eko Julianto, Shipbuilding Institute of Polytechnic Surabaya (PPNS), Department of Piping Engineering, Surabaya, Jawa Timur, 60111, Indonesia
 Mohammad Basuki Rahmat, Department of Marine Electrical Engineering, Surabaya, Jawa Timur, 60111, Indonesia
 Sri Wiwoho Mudjanarko, Civil Engineering Faculty, Narotama University, Surabaya, Jawa Timur, 60117, Indonesia
 Rizal Bahaswan, Narotama University, Surabaya, Jawa Timur, 60117, Indonesia
 Joewono Prasetyo, Department of Transportation Engineering Technology, Universiti Tun Hussein Onn Malaysia, 84600 Pagoh, Johor, Malaysia
 Dani Harmanto, Aeronautical Engineering, De Montfort University, Leicester, United Kingdom

4:00 – 5:45 pm, MONDAY

Business Management

Virtual Room 6

Session Chair: Dr Amany Mohamed Mamdouh AKL, Capability Systems Centre, School of Engineering and IT, University of New South Wales (UNSW), Canberra, Australia

ID 403 Social networks as a promotional tool to promote tourism: A systematic review
 Duberlyn Mayly Lopez-Ortiz and Isela Fernanda Rosas-Ybañes, Business Faculty, Administration and Tourism Services, Universidad Privada del Norte, Lima, Peru
 Wilver Aucchuasi, Universidad Científica del Sur, Lima, Peru
 Franklin Cordova-Buiza, Faculty of Business Sciences, Continental University, Huancayo, Peru

ID 236 Strategic Perspective for Business Education: Case Study of Bangladesh
 Syed Ferhat Anwar, Professor, Institute of Business Administration, University of Dhaka, Dhaka, Bangladesh

ID 73 Teaching Factory for Creative Products Such as Soap, Aromatherapy Candle, Ginger Products at Vocational School Miftahul Huda Banyumas
 Dewi Tamara, MM Executive Program, BINUS, BINUS Business School Master Program, Bina Nusantara University, Jakarta 11480, Indonesia
 Muhammad, Vocational School Miftahul Huda, Banyumas, Indonesia

ID 71 The Development of Digital Video Production at Vocational School PGRI Ciawigebang, Kuningan, Indonesia
 Dewi Tamara, MM Executive, School of Business Management, Bina Nusantara University, Jakarta, Indonesia
 Deniza Mulianita, MM Blended Learning, School of Business Management, Bina Nusantara University, Jakarta, Indonesia
 Ramli Ramli, Vocational School PGRI Ciawigebang, Kuningan, Indonesia

ID 140 The Dynamics of Conflict in Blimbing Market Development Malang City
 Qurnia Indah Permata Sari, Department of Sociology, Faculty of Social and Political Sciences, University of Brawijaya
 Ali Maksum, Department of Sociology, Faculty of Social and Political Sciences, University of Brawijaya
 Mangku Purnomo, Department of Socio-economics, Faculty of Agricultural University of Brawijaya
 Dewa Agung Gede Agung, Department of History, Faculty of Social and Political Sciences University of Malang

ID 358 The Effect of Education and Economic Ability on Elderly Care Through Health Services in the Durikumba Health Center Work Area, Karossa District, Central Mamuju Regency
 Alphonsa Sampe, Rasyidin Abdullah and Gunawan B. Ilyas, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia
 Ahmad Luthfi Hutasuhut, Sekolah Tinggi Ilmu Manajemen Sukma Medan
 Zubaidah Hanum, Politeknik Lp3i Medan
 Agnita Yolanda, Universitas Medan Area

ID 123 Dynamic capability from Product Development services in incubated SMEs: A technology management perspective

P. E Langa, E. I Edoun, A Pradham and C. Mbohwa, University of Johannesburg, South Africa

4:00 – 5:45 pm, MONDAY**Business Management****Virtual Room 7**

Session Chair: Dr. Lusheng Shao, University of Melbourne

ID 336 Fundamental Analysis of Cryptocurrency Price Fluctuations; A Socio-Economic, Political and Psychological Approach

Andi Faisal Anwar, Baso Iwang, Hasbiullah and Ahmad Kafrawi, Economics Department, University UIN Alauddin Makassar, Indonesia

ID 641 G20, Solar Energy and Sustainable Irrigation: Indonesia and World Trend

Muhammad Ikhsan Setiawan, Department of Civil Engineering, Narotama University, Indonesia

Agus Sukoco, Department of Management, Narotama University, Indonesia

Dahlan Abdullah and Cut Ita Erliana, Universitas Malikussaleh, Aceh Utara, Indonesia

Paisal Halim and Syamsiah Badruddin, Universitas Nasional, Jakarta, Indonesia

Hery Budiyanto, Universitas Merdeka Malang, Indonesia

ID 644 G20, Organic Infrastructure and Sustainable Organic Infrastructure: Indonesia and World Trend

Muhammad Ikhsan Setiawan, Department of Civil Engineering, Narotama University, Indonesia

Agus Sukoco, Department of Management, Narotama University, Indonesia

Dahlan Abdullah and Cut Ita Erliana, Universitas Malikussaleh, Aceh Utara, Indonesia

Paisal Halim and Syamsiah Badruddin, Universitas Nasional, Jakarta, Indonesia

Hery Budiyanto, Universitas Merdeka Malang, Indonesia

ID 645 G20, Organic Tourism and Sustainable Organic Tourism: Indonesia and World Trend

Muhammad Ikhsan Setiawan, Department of Civil Engineering, Narotama University, Indonesia

Agus Sukoco, Department of Management, Narotama University, Indonesia

Dahlan Abdullah and Cut Ita Erliana, Universitas Malikussaleh, Aceh Utara, Indonesia

Paisal Halim and Syamsiah Badruddin, Universitas Nasional, Jakarta, Indonesia

Hery Budiyanto, Universitas Merdeka Malang, Indonesia

ID 635 G20, Solar and Sustainable Irrigation Agriculture: Indonesia and World Trend

Muhammad Ikhsan Setiawan, Department of Civil Engineering, Narotama University, Indonesia

Agus Sukoco, Department of Management, Narotama University, Indonesia

Dahlan Abdullah and Cut Ita Erliana, Universitas Malikussaleh, Aceh Utara, Indonesia

Paisal Halim and Syamsiah Badruddin, Universitas Nasional, Jakarta, Indonesia

Hery Budiyanto, Universitas Merdeka Malang, Indonesia

ID 639 G20, Solar Energy and Sustainable Irrigation: Indonesia and World Trend

Muhammad Ikhsan Setiawan, Department of Civil Engineering, Narotama University, Indonesia

Agus Sukoco, Department of Management, Narotama University, Indonesia

Dahlan Abdullah and Cut Ita Erliana, Universitas Malikussaleh, Aceh Utara, Indonesia

Paisal Halim and Syamsiah Badruddin, Universitas Nasional, Jakarta, Indonesia

Hery Budiyanto, Universitas Merdeka Malang, Indonesia

ID 636 G20, Solar Power Tourism and Sustainable Tourism: Indonesia and World Trend

Muhammad Ikhsan Setiawan, Department of Civil Engineering, Narotama University, Indonesia

Agus Sukoco, Department of Management, Narotama University, Indonesia

Dahlan Abdullah and Cut Ita Erliana, Universitas Malikussaleh, Aceh Utara, Indonesia

Paisal Halim and Syamsiah Badruddin, Universitas Nasional, Jakarta, Indonesia

Hery Budiyanto, Universitas Merdeka Malang, Indonesia

ID 396 Heavy Equipment Rental Investment in Bali, Indonesia

I Gusti Nyoman Merta Kpakisan, Postgraduate Civil Engineering, Narotama University, Indonesia

Muhammad Ikhsan Setiawan, Department of Civil Engineering, Narotama University, Indonesia

Ika Wahyuni, Department of Civil Engineering, Warmadewa University, Indonesia

December 19 (MONDAY) - Session: 6:00 – 7:45 pm**6:00 – 7:45 pm, MONDAY****Supply Chain and Logistics Competition****Virtual Room 1**

Session Chair: Judging Committee

ID 393 Backlog of Container Ships at Los Angeles Ports

Tyler Deis, Zoe Atkins, Kashin Gupta, Duc-Huy Dam and Mohamed Awwad, Industrial and Manufacturing Engineering Department, California

Polytechnic State University, San Luis Obispo, CA 93407, USA

ID 648 Do Human Resources Management (HRM) Practices Impact on Seaport Competitiveness?

Kayode Adeyemi, Shams Rahman and Muhammad Abdulrahman, School of Accounting, Information System and Supply Chain, Royal Melbourne

Institute of Technology (RMIT) University, Melbourne Victoria 3001 Australia

ID 499 E-commerce challenges in Logistics Management

Judith Nkuna, Department of Quality and Operations Management, University of Johannesburg, South Africa

ID 7 Green - Lean Practices and Reverse Logistics: Evidence from Manufacturing Industry of a Developing Economy

Muhammad Junaid Ahsan, PhD Scholar, Department of Economics and Management, University of Pisa, Pisa, Italy

Muhammad Hasham Khalid, Department of Management Sciences, Riphah International University, Islamabad, Pakistan
Dr Anas Iftikhar, Lancaster University Management School, Lancaster University, UK

ID 640 Machine Learning Process for Lot size Optimization, case of Automotive Industry

Zoubida Benmamoun, Liwa College of technology, Abu Dhabi, UAE

Mariam Elkhechafi, ISCAE, Casablanca, Morocco

Houda Taoudi Benchekroun, Systems Engineering Laboratory, Sultan Moulay Slimane University, Beni Mellal, Morocco

ID 57 Supplier Selection and Evaluation: A Case Study in an Apparel Manufacturing Organization

Shibbir Ahmad and Mohammad Kamruzzaman, Department of Mechanical Engineering, Dhaka University of Engineering & Technology (DUET) BIDS, Gazipur 1700, Bangladesh

Parul Akter and Md. Alamgir, Department of Production, Rose Intimates Limited, Baroipara, Ashulia, Savar, Dhaka 1200, Bangladesh

ID 27 Supply Chain Performance Measurement Using SCOR Model in Chemical Industry: A Case Study

Ilza Athiyatamimy Hanun, Department of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

Wahyudi Sutopo, University Centre of Excellence for Electrical Energy Storage Technology, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

6:00 – 7:45 pm, MONDAY

Master Thesis Competition

Virtual Room 2

Session Chair: Dr Cafer Avci, National Electric Vehicle Sweden and / Dr Ripon K. Chakraborty, UNSW Canberra

ID 456 An Investigation of the Risk Factors Affecting Financial Sustainability in NGOs: A Case Study of Lusaka NGOs

Hope Mutchule Nunkwe and Lubinda Haabazoka, Graduate School of Business, University of Zambia, Lusaka, Zambia

ID 480 Effects of Cooperate Governance Practices on Performance of Agricultural Cooperatives: a case of Lusaka district

Ms Deborah Tauro, Graduate School of Business, University of Zambia, Lusaka, Zambia

Dr. Lubinda Haabazoka, Director, Graduate School of Business, University of Zambia, Lusaka, Zambia

ID 128 Impact of Digital Transformation on Behaviour Intention in Pension Fund Sector in Indonesia

Ibnu Hasyim, M. As'ad Abdullah and Anita Charolina Megawaty Siahaan, Student Magister Management, Binus School University, Indonesia

ID 13 Propose Business Strategy to Develop New Integrated Logistic Base Case of Pt Xyz

Steven Romario Temanta Tarigana and Yudo Anggorob, School of Business and Management, Institut Teknologi Bandung, Indonesia

ID 600 Sustainable Supplier Selection Using the Multi-Attributive Border Approximation Area Comparison (MABAC) and F-MABAC in Chemical Industry

Fazrul Hamonangan Tanjung, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

Farizal F, Senior Lecturer, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 214 The Effect of Financial Literacy, Herding Behavior and Risk Tolerance on Investment Decisions

Dewi Tamara, Executive Strategic in Management, Binus Business School, Binus University, Jakarta, Indonesia

Andhika Yudo Arianto, Blended Learning Program, Binus Business School, Binus University, Jakarta, Indonesia

Ermita Marzuki, Blended Learning Program, Binus Business School, Binus University, Jakarta, Indonesia

Zulhamdani, Blended Learning Program, Binus Business School, Binus University, Jakarta, Indonesia

ID 681 The Quality of Work Life Development at PT Telekomunikasi Selular: An Evaluation

Soraya Agustina Situmorang, Bina Nusantara University, Indonesia

6:00 – 7:45 pm, MONDAY

Graduate Student Paper Competition

Virtual Room 3

Session Chair: Judging Committee

ID 301 Concept and Virtual Prototyping of an Innovative bike-sharing service with integrated sanitation system

Marco Freddi, Giorgia Venditti, Giulia Alessandri, Giulio Galie, Giampiero Donnici and Leonardo Frizziero, Department of Industrial Engineering University of Bologna, Bologna, BO 40136, Italy

ID 339 Development of Innovative Design Projects through the Establishment of an Advanced Technology Laboratory

Giulio Galie, Edoardo Pignatelli, Marco Freddi, Giulia Alessandri, Giampiero Donnici and Leonardo Frizziero, Department of Industrial Engineering Alma Mater Studiorum University of Bologna, Viale Risorgimento, Bologna, Italy

ID 303 Managing Complex Geometries through Rhinoceros: Voronoi cells

Giulia Alessandri, Izer Isufi, Giulio Galie and Giampiero Donnici, Department of Industrial Engineering, Alma Mater Studiorum, University of Bologna, Bologna, Italy

ID 340 On the pioneering IDeS methodology applied to the development of a new luxury car

Marco Freddi, Niccolò Borri, Giulia Alessandri, Giulio Galie, Giampiero Donnici and Leonardo Frizziero, Department of Industrial Engineering University of Bologna, Bologna, BO 40136, Italy

ID 290 Study of Advanced Car Design for Vehicles of 2030 using virtual reality technologies

Giulio Galie, Federico Guerra, Marco Freddi, Giulia Alessandri, Giampiero Donnici and Leonardo Frizziero, Department of Industrial Engineering Alma Mater Studiorum University of Bologna, Viale Risorgimento, Bologna, Italy

ID 255 Study of Advanced Car Design for Vehicles of 2030 using virtual reality technologies

Giulio Galiè, Federico Guerra, Marco Freddi, Giampiero Donnici and Leonardo Frizziero, Department of Industrial Engineering, Alma Mater Studiorum University of Bologna, Viale Risorgimento, Bologna, Italy

ID 389 A Study of the Effects of Cryptocurrency Usage on Money Laundering and Tax Compliance in Zambia

Lukwesa Chisale, Graduate School of Business, University of Zambia, Lusaka, Zambia
Lubinda Haabazoka, Director and Senior Lecturer, Graduate School of Business, University of Zambia, Lusaka, Zambia

6:00 – 7:45 pm, MONDAY

Doctoral Dissertation Competition

Virtual Room 4

Session Chair: Prof. Dr. M. Shamsuzzaman, University of Sharjah, UAE

ID 249 A Model for Production Possibility Frontier of an Enterprise using Multi-Objective Optimization Approach

Ma. Teodora E. Gutierrez, Assistant Professor IV, Industrial Engineering Program, Technological Institute of the Philippines, Quezon City, Philippines

ID 314 Analyzing the Price Strategy of Closed-Loop Supply Chain, Carbon Emission Policy and Game Theory Perspective: A Systematic and Bibliometric Review

Rita Desyanti, Suparno and Niniet Indah Arvitrida, Department of Industrial and System Engineering, Faculty of Industrial Technology and System Engineering, Institut Teknologi Sepuluh Nopember, Indonesia

ID 1 Characterization and Prediction of Functional Parameters of Grain Slurry Food Processing Machine Using Response Surface Analysis

Egwuagu Onyekachi Marcel, Department of Mechanical and Production Engineering, Enugu State University of Science and Technology, P.M.B Enugu State, Nigeria

ID 432 Characterization and Prediction of P420 laser cladding for Digital Twins

Malek Mousa, Production & Operations Management Research Lab, University of Windsor, Windsor, Ontario, Canada
Hany Osman, Production & Operations Management Research Lab, University of Windsor, Windsor, Ontario, Canada
Systems Engineering Department, College of Computer Sciences and Engineering, King Fahd University of Petroleum & Minerals, Kingdom of Saudi Arabia
Ahmed Azab, Production & Operations Management Research Lab, University of Windsor, Windsor, Ontario, Canada
Fazle Baki, Odette School of Business, University of Windsor, Windsor, Ontario, Canada

ID 399 Quantification of the Strategic Fit Between Process Choice Criteria and Production Systems

Vishwas Dohale, Research Fellow, Operations and Supply Chain Management, National Institute of Industrial Engineering (NITIE), Mumbai, India
Business Analyst, Goldratt Consulting, India

ID 578 Resilience and Sustainability Supply Chain Network Design: A Systematic and Bibliometric Review

Rahmi Yuniartiab, Suparno and Niniet Indah Arvitridaa, aDepartment of Industrial and Systems Engineering, Faculty of Industrial Technology and Systems Engineering, Institut Teknologi Sepuluh Nopember
Department of Industrial Engineering, Faculty of Engineering, Universitas Brawijaya, Indonesia

ID 481 Study of Cognitive Aspects of Noise Impact: Attention, Stress, Mental Workload, And Situation Awareness

Rahmaniyah Dwi Astuti, Doctoral Program, Department of Industrial Engineering, Sebelas Maret University, Surakarta, Indonesia
Bambang Suhardi and Pringg Widy Laksono, Senior Lecturer, Department of Industrial Engineering, Sebelas Maret University, Surakarta, Indonesia
Novie Susanto, Senior Lecturer, Department of Industrial Engineering, Diponegoro University, Semarang, Indonesia

ID 492 Why Is the Variation of Weather Insurance Index Adoption/ Uptake Exhibited as Such Among Small Holder Farmers; Testing the theory of Technology Adoption if it applies. Case of Zambia

Joshua Munkombwe, Graduate School of Business Studies, University of Zambia, Lusaka, Zambia
Jackson Phiri, Department of Computer Science, The University of Zambia P. O. Box 32379, Lusaka, Zambia
Graduate school of business, University of Zambia, Lusaka, Zambia

6:00 – 7:45 pm, MONDAY

Case Studies

Virtual Room 5

Session Chair: Dr Santoso Wibowo, Central Queensland University and Dr Samrad Jafarian-Namin, University of Mohaghegh Ardabili, Iran

ID 429 Student Perceptions of Catcalling Activities and Background Factors in the Campus Environment

Nina Siti Salmaniah Siregar, Delvi Windrayani, Nadra Idayani Vita and Syafruddin Ritonga, Communication Science Study Program, Universitas Medan Area, North Sumatera, Indonesia
Waridah, Government Science Study Program, Universitas Medan Area, North Sumatera, Indonesia
Agung Suharyanto, Public Administration Study Program, Universitas Medan Area, North Sumatera, Indonesia
Wiflihani, Music Education Study Program, Universitas Negeri Medan, North Sumatra, Indonesia

ID 587 Supervision and Competence in the Performance of Teachers through the Certification Allowance for Elementary School

Anggih Btari Mutmaah Inna, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Hasbi Hasbi, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Abdul Haris, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Rustam Efendy Rasyid, Universitas Muhammadiyah Sidenreng Rappang, Makassar, Indonesia
Hasmin Tamsah, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Andi Agusniati, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Syamsul Bahri, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

ID 588 Teacher Quality and the Role of Parents on Student Achievement through the Quality of the Learning Process

Suhardi, Hasmin Tamsah, Mislia Mislia, Andi Srimularahmah, Mardin Mardin, Munir Rauf and Hasanuddin Rauf, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

ID 201 The Challenges, Opportunities, and Strategies to Strengthen the Social Enterprise Resilience during Covid-19 Pandemic (A Case Study of Three Social Enterprise Organizations towards Community Empowerment in Indonesia)

Getar Hati, Department of Social Welfare, Ewha Womans University, 03760 Seoul, South Korea

Ratih Indraswari, Department of International Relations, Parahyangan Catholic University, Bandung, Indonesia

ID 161 The Conflict in the Iron Sand Mining Construction in Yogyakarta (A Study of the Society's Social Movement Against the Iron Sand Mining Construction Project)

Muhammad Alhada Fuadilah Habib, Faculty of Economy and Islamic Business, Universitas Islam Negeri Sayyid Ali Rahmatullah, Tulungagung, Indonesia

Asik Putri Ayusari Ratnaningsih, Faculty of Humanities Universitas Airlangga, Surabaya, Indonesia

Mukhammad Fatkhullah, Community Development Officer, PT Kilang Pertamina Internasional Unit Dumai, Dumai, Indonesia

Siti Muslihatul Mukaromah, Madrasah Aliyah Negeri 7, Jombang, Indonesia

Ella Erliyana, STIAMAK Barunawati, Surabaya, Indonesia

ID 591 The Effect of Tangible and Assurance Factors on Patient Loyalty through Patient Satisfaction in the Inpatient Unit of Datu Pancaitana Hospital, Bone Regency

Rosdianah Manshur, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Nasruddin Nawawi, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Purnomo Purnomo, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Ryryn Suryaman Prana Putra, STIKES Pelamonia Kesdam VII Wirabuana, Makassar, Indonesia

Ekafadly Jusuf, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Jamaluddin Bata Ilyas, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Saidna Zulfiqar Bin-Tahir, Universitas Iqra Buru, Maluku, Indonesia

ID 592 The Effect of the Lecture Plus Method and the Role of Parents on Student Learning Outcomes through the Quality of the Study Learning Process

Fitriani, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Andi Rasyid Pananrangi, Sekolah Tinggi Ilmu Ekonomi, AMKOP Makassar, Indonesia

Baharuddin Baharuddin, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Aswadi, Universitas Muhammadiyah Sidenreng Rappang, Makassar, Indonesia

Syamsul Bahri, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Abdul Harris, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Mardin Mardin, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

ID 292 The Influence of Bidikmisi Scholarships and Learning Environment on Learning Achievement through Student Motivation at Private College

Nuryani, Akmal Umar and Nasruddin Nawawi, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Mishawati, Sekolah Tinggi Ilmu Hukum Pengayoman, Indonesia

Muhammad Dedad Bisaraguna Akastangga, Universitas Nahdlatul Wathan Mataram

Sukardi, Universitas Nahdlatul Wathan

Putu Ari Suprpta Pratama, Fakultas Ilmu Budaya Universitas Udayana

6:00 – 7:45 pm, MONDAY

Business Management

Virtual Room 6

Session Chair: Dr Amany Mohamed Mamdouh AKL, Capability Systems Centre, School of Engineering and IT, University of New South Wales (UNSW), Canberra, Australia

ID 280 The Effect of Information Access Through Online Services Toward Customer Satisfaction: A Survey Study of Social Security For Employment In Indonesia

Muhamad Aras, Communication Department, BINUS Graduate Program – Master of Strategic Marketing Communication, Bina Nusantara University (BINUS), 11480 West Jakarta, Indonesia

Melati Ratimanjari, Communication Department, BINUS Graduate Program – Master of Strategic Marketing Communication, Bina Nusantara University (BINUS), 11480 West Jakarta, Indonesia

ID 408 The Effect of Property Based Resources, Knowledge-Based Resources, and Dynamic Service Performance Capabilities on Hotel Market Performance mediated by Integrated Marketing Communication

Tiurida Lily Anita, Hotel Management Department, Faculty of Digital Communication and Hotel & Tourism, Bina Nusantara University, Jakarta, Indonesia

Bahtiar Usman, Sarfilianty Anggiani and Hermanto Yaputra, Service Management, Faculty of Economy and Business, Trisakti University

ID 130 The Effect of Service Quality and Price Perception on Customer Satisfaction which Has an Impact on Customer Loyalty at Happy Kiddy Indonesia Lippo Plaza Ekalokasari Bogor

Difa Mubaroq, Indah Solekhati, Intannya Gusti and Lily Leonita, Management Department, BINUS Online Learning, Bina Nusantara University, Jakarta, Indonesia

ID 360 The Effect of Training and Incentives on Employee Performance Through Work Productivity at the Public Health Center in Bissapu Sub-district, Bantaeng Regency

Vanty Rosanty Djabbar, Nasruddin Nawawi and Hasmin Tamsah, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia

Kartika Sari Lubis and Ade Rahma Ayu Siregar, Sekolah Tinggi Ilmu Manajemen Sukma Medan, Indonesia

Bebby Masitho Batubara, Public Administration Study Program, Faculty of Social and Political Sciences, Universitas Medan Area, Indonesia

ID 518 The Effect of Understanding of MBKM on the Success of its Implementation Moderated by Readiness to Change

Ropinov Saputro, Diploma of Taxation Administration, Faculty of Vocational School PSDKU Pekalongan, Diponegoro University, Indonesia
 Imam Prayogo, Diploma of Financial Accounting, Faculty of Vocational School PSDKU Pekalongan, Diponegoro University, Indonesia
 Endah Sri Wahyuni, Magister of Accounting Budi Luhur University, Indonesia

ID 216 The Effect of Village Fund Allocation and Village Funds on Increasing the Welfare of Village Communities through Performance Management in Jeneponto Regency

Johan, Mattalatta Mattalatta and Andi Muh. Rum Tajang, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Misnawati, Sekolah Tinggi Ilmu Hukum Pengayoman, Makassar, Indonesia
 Anas Nikoyan, Department of Agricultural Extension, Halu Oleo University, Indonesia
 Aryuni Salpiana Jabar, Department of Social Welfare Halu Oleo University, Indonesia
 Adi Sumandiyar, Department of Sociology, Sawerigading University, Indonesia

ID 287 The Effect of Work Environment Condition and Job Satisfaction on Employees Engagement and Organizational Citizenship Behavior on Non-Medical Workers in Banjarbaru City Hospital

Dina Silvia Sutarya, Business Management Master Program Binus Business School, Binus University, Jakarta, Indonesia
 Dini Suryani, Business Management Master Program Binus Business School, Binus University, Jakarta, Indonesia
 Muhammad Fauzul Akbar, Business Management Master Program Binus Business School, Binus University, Jakarta, Indonesia
 Sekar Wulan Prasetyaningtyas, Business Management Master Program Binus Business School, Binus University, Jakarta, Indonesia

6:00 – 7:45 pm, MONDAY

Business Management

Virtual Room 7

Session Chair: Dr. Lusheng Shao, University of Melbourne

ID 178 Employee Competence and Innovation on Employee Performance through Compensation Scope of Development Planning Agency at Sub-National Level Bulukumba Regency

Hafsah, Nasruddin Nawawi and Hendra Gunawan, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 M Awaluddin A, Sekolah Tinggi Ilmu Administrasi Puangrimanggalatung, Makassar, Indonesia
 Ambo Upe, Department of Sociology, Halu Oleo University, Indonesia
 Fahmi Sulaiman, Sekolah Tinggi Ilmu Manajemen Sukma, Indonesia
 Elsera Siemin Ciamas, Politeknik Cendana, Indonesia

ID 560 Facilities and Employee Competencies Towards Public Satisfaction Through the Quality of Public Services

Lili Sriyanti, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Andi Tenri Fitriyah, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Sitti Mujahidah Baharuddin, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Erwing, Universitas Muhammadiyah Bone, Makassar, Indonesia
 Burhanuddin Baharuddin, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Muhammad Fachmi, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Bahtiar Maddatuang, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

ID 394 Factors Facilitating Women's Access to Board Positions: A Systematic Review

Brescia Guerrero-Ochoa and Evelin Aragon-Grados, Business Faculty, Universidad Privada del Norte, Lima, Peru
 Franklin Cordova-Buiza, Research, Innovation and Social Responsibility Department, Universidad Privada del Norte, Lima, Peru
 Faculty of Business Sciences, Universidad Continental, Huancayo, Peru

ID 284 Factors Influencing SME's in Using Social Media and its Effect on Performance

Pantri Heriyati, Management Department, Binus Business School, Binus University, Indonesia
 JB Georges Edward Perwira Gunardi, Management Department, Binus Business School, Binus University, Indonesia
 Sekar Wulan Prasetyaningtyas, Business Management Master Program Binus Business School, Binus University, Jakarta, Indonesia

ID 72 Fiber Ship Building Innovation to Improve Puger Fisherman Built by Vocational School Marine and Fisheries in Puger

Dewi Tamara, MM Executive Program, BINUS Business School Master Program, Bina Nusantara University, Jakarta 11480, Indonesia
 Kuntjoro Basuki, Fisheries and Marine Vocational Schools, Puger, Indonesia

ID 673 Which Financing Choice is Right for Hospitality Industry: Debt or Equity?

Aghila Sasidharan, Assistant Professor, Department of Accounting & Finance, Jindal Global Business School (JGBS), O.P. Jindal Global University, India
 Sonam Chawla, Assistant Professor, Department of Organizational Behaviour and Human Resource, Jindal Global Business School (JGBS) O.P. Jindal Global University, India
 Ateequr Rahman, Ph.D. Research Scholar, School of Management & Entrepreneurship (SME), Indian Institute of Technology, Jodhpur, India

ID 663 Future Cities, Sustainable Housing, Low Cost Energy Housing, Indonesia and World Trend

Muhammad Ikhsan Setiawan, Department of Civil Engineering, Narotama University, Indonesia
 Agus Sukoco, Department of Management, Narotama University, Indonesia
 Dani Harmanto, Aeronautical Engineering, De Montfort University, UK

December 19 (MONDAY) - Session: 8:00 – 9:45 pm

8:00 – 9:45 pm, MONDAY

Supply Chain

Virtual Room 1

Session Chair: Andries Lionardo, University of Sriwijaya, Palembang, Indonesia

ID 142 Improvement of Employee Performance at One Stop Administration Services (SAMSAT) Office in Takalar Regency Through Leadership and Employee Training and Motivation as Mediation Variable

Nasrullah; Baharuddin and Abdul Latief R, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Masriadi Patu, Sekolah Tinggi Ilmu Administrasi Puangrimaggatung, Makassar, Indonesia
 Chairun Nasirin, College of Health Sciences (STIKES), Mataram, Indonesia
 Muhamad Chairul Basrun Umanailo, Universitas Iqra Buru, Indonesia
 Wiwi Rumaolat, STIKes Maluku Husada, Indonesia

ID 217 Analysis of Transformational Leadership on Civil Servant Performance through Public Service Motivation and Human Resources Capacity (Study at the Office of the Ministry of Religion, Bulukumba Regency)

Immawan Wahyudi Asbara, Umi Farida and Hasmin Tamsah, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Budi Pramono, Universitas Pertahanan Republik Indonesia, Bogor, Indonesia
 Muhammad Nasir, Department of Political Science, Halu Oleo University, Indonesia
 Annisa Retrofilia Umanailo, Universitas Sriwijaya, Indonesia
 Andries Lionardo, University of Sriwijaya, Palembang, Indonesia

ID 538 Competency Development on Investigation Performance through Work Creativity, Responsibilities, and HR Capacity

Erwinwijaya, Umi Farida, Hasmin Tamsah, Wahyudhi Wahyudhi, Jumiati Nurung and Syafruddin Muhtar, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Syamsuria, Universitas Muhammadiyah Bone, Makassar, Bone, Indonesia

ID 454 Determination Weight Prioritized of Multi-attribute Decision-Making for Diversification Product in Pangasius Agro-industry

Andreas Tri Panudju; Marimin and Sapta Raharja, Department of of Agro-industrial Engineering, Faculty of Agricultural Engineering and Technology Bogor Agricultural University, Bogor 16680-Indonesia
 Mala Nurilmala, Department of Aquatic Product Technology, Faculty of Fisheries and Marines Sciences, Bogor Agricultural University, Bogor, Indonesia

ID 602 Human Resources and Sustainable Product Innovation Performance with Employee Creativity Mediating SME Sustainability

Mutmainah and Umi Marfuah, Industrial Engineering Department, Universitas Muhammadiyah Jakarta, Jl. Cempaka Putih Tengah 27 No.27/10, RT.11/RW.7, Cemp. Putih Tim., Kec. Cemp. Putih, Kota Jakarta Pusat, Daerah Khusus Ibukota Jakarta, Indonesia
 Leni Triana, Management Department, Bina Bangsa University, Jl. Raya Serang - Jakarta, KM, 03 No 1 B (Pakupatan) Serang-Banten, Indonesia
 Andreas Tri Panudju, Industrial Engineering Department, Bina Bangsa University, Jl. Raya Serang - Jakarta, KM, 03 No 1 B (Pakupatan) Serang-Banten, Indonesia

8:00 – 9:45 pm, MONDAY

Industrial Management

Virtual Room 2

Session Chair: Dr Cafer Avci, National Electric Vehicle Sweden and / Dr Ripon K. Chakraborty, UNSW Canberra

ID 483 Designing an Information System for Jewelry Manufacturing Raw Material Needs with an SDLC Approach: A Case Study

Alif Faridalthaf, Department of Industrial Engineering, University of Indonesia, Indonesia
 Novandra Rhezza Pratama, Department of Industrial Engineering, University of Indonesia, Indonesia

ID 623 Determination of Consumable Parts Procurement in Plastic Packaging Manufacturing Company

Lailatul Fadhillah Rahmi and Djoko Sihono Gabriel, Industrial Engineering Department, Faculty of Engineering, Universitas Indonesia Depok, Indonesia

ID 198 How Can the Retention of Indonesian Digital Industry Employees Be Improved? The Mediating Role of Perceived Organizational Support

Okta Prihatma Bayu Putra, Rayhan Inzaghi Putra, Ada Khansa and Amanda Naomi, Management Department, BINUS Business School, Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia
 Desman Hidayat, BINUS Entrepreneurship Center, Management Department, Bina Nusantara University, Jakarta, Indonesia
 Christian Haposan Pangaribuan, Faculty of Business, Sampoerna University, Jakarta, Indonesia

ID 415 Study on The Impact of Implementing Electric Car Policies in Indonesia

Annisa Khairani and Farizal, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 8 Systems Intelligence (SI) in Management – High Performing Organizations and People Score High in SI

Raimo Härmäläinen, Systems Analysis Lab. Aalto university, Finland

ID 496 The Impact of Production and Operations Within Transport Management Supply Chain Industry

Judith Nkuna, Department of Quality and Operations Management, Department of Engineering Management, University of Johannesburg South Africa

ID 672 Indonesia, World, Digital Economic Growth and Digital Tourism Business

I Nyoman Sudapet and Agus Sukoco, Department of Management, Narotama University, Indonesia
 Ronny Durrotun Nasihien and Muhammad Ikhsan Setiawan, Department of Civil Engineering, Narotama University, Indonesia
 Abdul Talib Bon, Faculty of Technology and Business Management, Department of Production and Operations Management, Universitas Tun Hussein Onn Malaysia, Parit Raja, Malaysia

ID 667 An Empirical Investigation Into functioning of Indian Banks and The Effect of Directors on Their Credit Rating

Aghila Sasidharan, Department of Accounting & Finance, Jindal Global Business School (JGBS), O.P. Jindal Global University, India
 Vinayak A Drave, Department of Accounting & Finance, Jindal Global Business School (JGBS), O.P. Jindal Global University, India
 Ateequr Rahman, School of Management & Entrepreneurship, Indian Institute of Technology, Jodhpur, India

8:00 – 9:45 pm, MONDAY

Supply Chain

Virtual Room 3

Session Chair: Dr. D.R.J. Siriwardhane, Faculty of Management Studies & Commerce, University of Sri Jayewardenepura, Sri Lanka

ID 479 A Review of Food Supply Chain Management (FSCM) Based on Bibliometric Analysis

Patnia Nur Saputri, Graduate of Industrial Engineering, Department of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Indonesia

Muhammad Hisjam, Research Group Industrial Engineering and Techno-Economic, Department of Industrial Engineering, Faculty of Engineering Universitas Sebelas Maret, Surakarta, Indonesia

Gusti Fauza, Department of Food Science and Technology, Faculty of Agriculture, Universitas Sebelas Maret, Surakarta, Indonesia

ID 212 A Study of Supply Chain Research During the Covid-19 Pandemic Using Text Mining and Bibliometric Methods

Nishant Saravanan, Production Engineering, National Institute of Technology, Tiruchirappalli, Tamil Nadu, India

Jessica Olivares-Aguila and Alejandro Vital-Soto, Shannon School of Business, Cape Breton University, Nova Scotia, Canada

ID 643 An Early Supply Chain Model with Sustainable Manufacturing Perspective to Empower Farmers as Post-harvest Small and Mid-size Enterprises in Indonesia: A Case Study

Muhammad Hisjam, Cucuk Nur Rosyidi, Eko Pujiyanto and Eko Liquiddanu, Dept. of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret, Jalan Ir. Sutami 36A, Surakarta, Indonesia

ID 450 Crossdocking Distribution System Design

Albertus Laurensius Setyabudhi, Humala L. Napitupulu, Rosnani Ginting and Meilita Tryana Sembiring, Program Studi Doktoral Ilmu Teknik Industri Universitas Sumatera Utara, Medan, 20222, Indonesia

ID 281 Customer Segmentation to Design the Supply Chain Network on GIS Map using Unsupervised Machine Learning

Mohsina, MTech Student, Department of Mechanical Engineering, National Institute of Technology, Warangal - 506004, Telangana, India

Prof Krishnanand Lanka, Professor, Department of Mechanical Engineering, National Institute of Technology, Warangal - 506004, Telangana, India

Dr. Ramachandra Gopal P, Assistant Professor, Department of School of Management, National Institute of Technology, Warangal - 506004, Telangana, India

ID 93 Extraordinary Strains in Food Supply Chains: A Literature Review on COVID-19 Induced Food Supply Chain Disruptions and Resilience

Navodika Karunarathna, SLIIT Business School, Sri Lanka Institute of Information Technology (SLIIT), Malabe, Sri Lanka

Dr.D.R.J. Siriwardhane and Prof. P. G. S. Amila Jayarathne, Faculty of Management Studies & Commerce, University of Sri Jayewardenepura, Sri Lanka

ID 618 Implementation blockchain technology and the internet of things in halal supply chain traceability and food safety: A systematic literature review

Miftakhurizal Kurniawan, Department of Industrial and System Engineering, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia

Department of Agro-industrial Technology, Universitas Brawijaya, Malang, Indonesia

Suparno, Department of Industrial and System Engineering, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia

Iwan Vanany, Department of Industrial and System Engineering, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia

8:00 – 9:45 pm, MONDAY**E-Business and E-Commerce****Virtual Room 4**

Session Chair: Prof. Dr. M. Shamsuzzaman, University of Sharjah, UAE

ID 135 Adoption of E-Commerce in Johannesburg Retail Sector

Imorgen Mputle and Anup Pradhan, Department of Quality and Operations Management, Faculty of Engineering and the Built Environment University Johannesburg, Johannesburg, South Africa

ID 324 Entrepreneurial Skill: Critical Factors for Successful Entrepreneur

Eka Maya Sari Siswi Ciptaningsih, Senior Lecturer, Business Creation Department, BBS-UP Bina Nusantara University, Jakarta, Indonesia

Kevin Junaidi, Business Creation Department, BBS-UP Bina Nusantara University, Jakarta, Indonesia

ID 267 Cultivating Social Media Utilization by Television Stations: An Analysis of Instagram Practices in Czech Republic

Daniel Messele Balcha, Psychology Department, Faculty of Business and Economics, Czech Life Science University, Prague, Czech Republic

Irmawan Rahyadi, Communication Department, Binus Graduate Program – Master of Strategic Marketing Communication, Binus University Jakarta, Indonesia

Ayu Agung Mirah Krisnawati, Communication Science Department, Faculty of Economics and Communication, Bina Nusantara University, Jakarta, Indonesia

Rifa Bestari, Communication Department, Binus Graduate Program – Master of Strategic Marketing Communication, Binus University, Jakarta, Indonesia

ID 397 The Role of E-Service Quality and Customer Perceived Value for Indonesian E-Commerce

Leo Andri Yulius Caesar, Senior Faculty Member, BBS Undergraduate Program, Binus University, Bekasi, Indonesia

Martinus, Christofer Allen Hadiputera and Nerryus Aditya, Undergraduate Student, BBS Undergraduate Program, Binus University, Bekasi, Indonesia

ID 230 Why do Preparedness and Response to Covid-19 Pandemic Need Community Development Approach: An Experience from Indonesia

Anif Fatma Chawa and Moch Hisyam Putra, Department of Sociology, Faculty of Social and Political Sciences, Universitas Brawijaya, Malang, Indonesia

ID 670 Does Corporate Governance Matters for Cash holdings: Evidence from the Asian subcontinent

Sonam Chawla, Assistant Professor, Department of Organizational Behaviour and Human Resource, Jindal Global Business School, O.P. Jindal Global University, India

Aghila Sasidharan, Assistant Professor, Department of Accounting & Finance, Jindal Global Business School, O.P. Jindal Global University, India

Ateequr Rahman, Ph.D. Research Scholar, School of Management & Entrepreneurship, Indian Institute of Technology, Jodhpur, India

ID 664 Indonesia, World, Future Research, Sustainable and Smart Economic Tourism

I Nyoman Sudapet and Agus Sukoco, Department of Management, Narotama University, Indonesia

Ronny Durrutun Nasihien and Muhammad Ikhsan Setiawan, Department of Civil Engineering, Narotama University, Indonesia

Abdul Talib Bon, Faculty of Technology And Business Management, Department Of Production And Operations Management, Universitas Tun Hussein Onn Malaysia, Parit Raja, Malaysia

8:00 – 9:45 pm, MONDAY**Case Studies****Virtual Room 5**

Session Chair: Dr Santoso Wibowo, Central Queensland University and Dr Samrad Jafarian-Namin, University of Mohaghegh Ardabili, Iran

ID 540 Contribution of Blended Learning with Learning Facilities with Improved Learning Achievements through The Motivation of Junior High School Students

Uspatul Khaerah Tahir, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Mustari, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Muhammad Natsir, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Nur Fadhilah Umar, Universitas Negeri Makassar, Makassar, Indonesia

Syamsul Bahri, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Hasbi Hasbi, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Mardin Mardin, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

ID 182 Covid-19 Pandemic and Identity Negotiation (Phenomenological Study about Mapur's Social Resilience in Bangka – Indonesia)

Iskandar Zulkarnain, Panggio Restu Wilujeng, Michael Jeffri Sinabutar and Laila Hayati, Department of Sociology, Universitas Bangka Belitung, Bangka, Indonesia

ID 380 Designing Buru Language Learning Model in Ecotourism-Based Embedded-Multilingual: Teachers' Need Analysis

Saidna Zulfiqar Bin Tahir, English Education Department of the Universitas Iqra Buru, Maluku, Indonesia

Geminastiti Sakir, English Education Department of Universitas Negeri Makassar, Makassar, Indonesia

Risman Iye, Art and Literature Faculty of the Universitas Iqra Buru, Maluku, Indonesia

ID 226 Digital Education About Vaccination in Managing the Spread of Covid-19 in Tawangrejo Village Communities Through Social Media Facebook

Widowati, Master of Sociology, Sebelas Maret University, Surakarta, Indonesia

Supriyadi and Eva Agustiniwati, Department of Sociology, Sebelas Maret University, Surakarta, Indonesia

ID 304 Does Human Resources Management (HRM) Practices impact on Seaport Competitiveness?

Kayode Adeyemi, Shams Rahman and Muhammad Abdulrahman, School of Accounting, Information System and Supply Chain, Royal Melbourne Institute of Technology (RMIT) University, Melbourne Victoria 3001 Australia

ID 604 Examining Customer Satisfaction: A Comparison Between Traditional and QR Code Payment Methods

Virlix Claire Estandian, Isabella Francesca Lazaro, Stephen Randell Padual, Emil Renfred Rendon, Robin D. Torres, and Rianina D. Borres, School of Industrial Engineering and Engineering Management Mapua University, Manila, Philippines

ID 559 Facilities and Employee Competence on Patient Waiting Time through Quality of Service at the Outpatient Installation

Muhammad Jafar, Akmal Umar, Eddyman W. Ferial, Darti Darti and Ekafadly Jusuf, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

L.M. Zainul, Universitas Balikpapan, Balikpapan, Indonesia

Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimanggalatung, Makassar, Indonesia

ID 311 FOQUS (Focus and Quota Saver) Application for Effective Learning in Online and Digitalized Classroom (A Study Case in SDS Yayasan Pembangunan Didikan Islam)

Hans Allen Gunawan, Tri Rasti Ulfa Tanjung, Abdillah Thoha, Akbar Gading Alfadli Harahap and Mindy, Industrial Engineering Department Universitas Sumatera Utara (USU), Medan, 20155, Indonesia

Meilita Tryana Sembiring, Industrial Engineering Department, Universitas Sumatera Utara (USU), Medan, 20155, Indonesia

8:00 – 9:45 pm, MONDAY**BM****Virtual Room 6**

Session Chair: Dr Amany Mohamed Mamdouh AKL, Capability Systems Centre, School of Engineering and IT, University of New South Wales (UNSW), Canberra, Australia

ID 222 The Impact of Digital Marketing and Customer Perception Value Through Customer Satisfaction on Customer Loyalty at PT Catur Putra Harmonis Alauddin of Makassar Branch

Ismaila, Gunawan B. Ilyas, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Yenni Kurnia Gusti, STIE Widya Wiwaha, Yogyakarta, Indonesia

R. Endy Gunanto Marsasi, Universitas Islam Indonesia, Yogyakarta, Indonesia

Yuliana Yuliana, Politeknik Cendana

Andries Lionardo, University of Sriwijaya, Palembang, Indonesia

Chairun Nasirin, College of Health Sciences (STIKES), Mataram, Indonesia

ID 376 The Impact of System and Information Quality on User Perceptions of The Big Data Analytics Benefits

Rindang Widuri, Bina Nusantara University, Indonesia

ID 157 The Influence of Human Resource Development and Organizational Culture on Public Service Quality through Employee Performance in Central Mamuju District

Nurlaela, Gunawan Bata Ilyas and Muahammad Natsir, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Elpisah, STKIP Pembangunan Indonesia, Makassar, Indonesia

Sitti Hairani Idrus, Department of Public Administration, Universitas Halu Oleo, Indonesia

Ashmarita, Department of Anthropology, Universitas Halu Oleo, Indonesia

Maulid, Department of Public Administration, Universitas Sembilanbelas November Kolaka

ID 359 The Influence of Professionalism, Competence on Employee Performance Through Education & Training (DIKLAT) in Class I Correctional Center (BAPAS) Makassar

Agusman, Partono Sumaryo and Nur Naningsih, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Lukman Yudho Prakoso, Universitas Pertahanan Republik Indonesia, Bogor, Indonesia

Ramadhan Razali, Almira Keumala ulfah, IAIN Lhokseumawe,

Agung Suharyanto, Public Administration Study Program, Faculty of Social and Political Sciences, Universitas Medan Area, Indonesia

ID 224 The Influence of Work Environment and Compensation on Employee Performance Through Job Satisfaction in the Office of the Regional Financial Management Agency Bantaeng Regency

Irma Dwiyaniti, Nasruddin Nawawi and Umi Farida, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Geminastiti Sakkir, Universitas Negeri Makassar, Indonesia

Diah Yovita Suryarini, Universitas Wijaya Kusuma Surabaya

Ni Ketut Veri Kusumaningrum, Politeknik Internasional Bali

ID 31 The Management of Change and Organizational Culture within the Media Industry in South Africa

Sambil Charles Mukwakungu, Portia Makamu and Nita Sukdeo, Department of Quality and Operations Management, University of Johannesburg Johannesburg, South Africa

ID 345 The quality of services delivery at the South African Mailing Services A.N Ntuli, Department of Quality and Operations Management, University of Johannesburg, Johannesburg, South Africa T. Tshabalala, Department of Quality and Operations Management, University of Johannesburg, Johannesburg, South Africa

8:00 – 9:45 pm, MONDAY

Business Management

Virtual Room 7

Session Chair: Dr. Lusheng Shao, University of Melbourne

ID 79 Continuation Use of Digital Wallet Using Extended ECM Model in Indonesia

Asnan Furinto, Doctoral Research Management, School of Business Management, Bina Nusantara University, Jakarta, Indonesia

Dewi Tamara, Diana Hartono and Eduard Simamora, MM Executive, School of Business Management, Bina Nusantara University Jakarta, Indonesia

ID 49 Digital Marketing Strategy in Coffee Industry

Lukas Lorenza Suherman, Albert Felix Jonathan, Dian Kurnianingrum and Iston Dwija Utama, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 209 Disclosing the Impact of Millennial Attitude Toward Instagram Advertising on Their Attitude Toward Brand and Purchase Intention in Pandemic COVID-19

Augustinus Setijanto, Mohammad Hamsal, Asnan Furinto and Rano Kartono, Doctoral of Research in Management, Bina Nusantara University Jakarta, Indonesia

ID 276 Do green bonds really shocked the stock prices: An event study on respective Indian Companies

Lakshmi Tulasi Devi S, Associate Professor, School of Management, National Institute of Technology, Warangal (NITW), India

Shivam Azad, Research Scholar, School of Management, National Institute of Technology, Warangal (NITW), India

ID 541 Education and Leadership Training in Improving Competence and Performance of Employees of the Human Resources Development Agency

Masita Fatimah, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Baharuddin Baharuddin, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Hasmin Tamsah, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Kasmawati, Universitas Muhammadiyah Bone, Makassar, Indonesia

Aco Lamama, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Jumiaty Nurung, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Hadiasman Ibrahim, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

ID 447 Education startups: an analysis of the factors enabling its internationalization

Keila Malca-Ramirez, Business Faculty, Universidad Privada del Norte, Lima, Peru

Wilver Aucchuasi, Universidad Científica del Sur, Lima, Peru

Franklin Cordova-Buiza, Research, Innovation and Social Responsibility Department, Universidad Privada del Norte, Lima, Peru

Faculty of Business Sciences, Universidad Continental, Huancayo, Peru

ID 398 Effect of Service Quality and Digital Application to Customer Loyalty through Customer Satisfaction in Insurance Industry

Leo Andri Yulius Caesar, Senior Faculty Member, BBS Undergraduate Program, Binus University, Bekasi, Indonesia

William Albert Liong, Undergraduate Student, BBS Undergraduate Program, Binus University, Bekasi, Indonesia

ID 543 Effectiveness of Training on Teacher Performance through Soft Competencies and Teacher Capabilities

Bakri, Mustari, Hasmin Tamsah, Jamiluddin Usman, Andi Agusniati and Abdul Haris, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

Syaripa Aeni, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia

December 19 (MONDAY) - Session: 10:00 – 11:45 pm

10:00 – 11:45 pm, MONDAY

Decision Sciences

Virtual Room 1

Session Chair: Murat Kaya, Department of Industrial Engineering, Sabanci University, Istanbul 34956, Turkey

ID 414 Analyzing the Effect of Personal Characteristics on Revenue Management Decisions Through Data Mining

Ümmühan Akbay, Department of Management, Işık University, Istanbul 34980, Turkey
Nur Ayvaz Çavdaroglu, Business Administration Department, Kadir Has University, Istanbul 34083, Turkey

ID 563 Human Resource Development and Motivation for Performance through Work Discipline of State Civil Apparatus

Damayanti, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Buyung Ramadhoni, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Syahrudin, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Juwari, Universitas Balikpapan, Balikpapan, Indonesia
Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia
Ahsani Paramita, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Sri Rahmi, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

ID 190 Leadership Style and Organizational Culture on Employee Performance Through Motivation in PT. Angkasa Pura 1 Unit Airport Rescue and Fire Fighting Sultan Hasanuddin Maros International Airport

Farid Mampawa, Hasmin Tamsah, Baharudin Baharudin and Umar Syarifuddin, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Rahman, Department of Public Administration, Halu Oleo University, Indonesia
Gunawan, Department of State Administration, Halu Oleo University, Indonesia
Muhamad Chairul Basrun Umanailo, Universitas Iqra Buru

ID 570 Organizational Culture and Education in Training against Job Satisfaction, through Work Discipline and The Procurement Section

Yasser Ramli, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Umi Farida, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Muhammad Natsir, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
M Awaluddin, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia
Irwan Rashid, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Jamaluddin Bata Ilyas, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Sri Rahmi, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

ID 625 Personality Traits in Supply Chain Contracting

Ümmühan Akbay, Department of Management, Işık University, Istanbul 34980, Turkey
Murat Kaya, Department of Industrial Engineering, Sabanci University, Istanbul 34956, Turkey

ID 115 Product Dispatch Work Process Line Improvement Using Arena Simulation and Modelling: A Case Study

A L Tau, E.I Edoun, A. Pradhan and C. Mbohwa, University of Johannesburg, South Africa

ID 228 Women's Participation in Fulfillment of Household Need through E-WARONG KUBE PKH: A Qualitative Study in Banjar, West Java, Indonesia

Nuzul Solekhah and Fatwa Nurul Hakim, Junior Researcher, The Research Center and Development of Social Welfare Services, Yogyakarta-Ministry of Social Affairs of Republic Indonesia

ID 679 Socio Economic Agriculture and Socio Sustainability: Indonesia Trend

Muhammad Ikhsan Setiawan Narotama University Indonesia

10:00 – 11:45 pm, MONDAY Diversity and Inclusion / Women in Industry and Academia (WIIA) Virtual Room 2

Session Chair: Dr Cafer Avci, National Electric Vehicle Sweden and / Dr Ripon K. Chakraborty, UNSW Canberra

ID 298 A QFD Approach for Diversity, Equity and Inclusion in Work Setup: Employee Perspective

Arshia Kaul, Advisor, Zenith PhD Training and Consultancy, Faridabad, Haryana, India
Vasundhara Kaul, Founding Partner, Carpediem Edpsych Consultancy, Mumbai, India

ID 183 Covid-19, Multidimensional Poverty, and Semi-Urban Women's Resilience in Malang City, East Java

Irza Khurun'in, Genta Mahardhika Rozalinna and Kartika Putri Kumalasari, Lecturer at Department of International Relations, University of Brawijaya Malang, Indonesia

ID 197 Difable Women: Marginalized Identities

Varinia Pura Damayanti, Department of Sociology, Lambung Mangkurat University, Indonesia

ID 185 Intersectionality Regulations for Handling Crisis of Women Trafficking during the Pandemic

Sayuti, Faculty of Sharia, University of Islamic State Sultan Thaha Saifuddin Jambi, Jambi, 36363, Indonesia
Ghina Nabilah Effendi, Department of Government Affairs, University of Islamic State Sultan Thaha Saifuddin Jambi, Jambi, 36363, Indonesia

ID 137 Investigating Gender Justice to the Minorities: The case of Pretty Transpuan in Denpasar, Bali

Nazrina Zuryani, Department of Sociology at FISIP, Udayana University Denpasar, Indonesia

ID 195 Masculinity Representation of BTS Fans Through Instagram Social Media

Nur'aini Inayah, Aris Arif Mundayat and Yuyun Sunesti, Master Student of Sociology, Sebelas Maret University, Surakarta, Indonesia

ID 180 Trapped in Virtual: Case of Trafficking for Indonesian Girls

Anggaunitakiranantika and Sunhye Kim, Department of Women Studies, Ewha Woman's University, Seoul, Republic of Korea

ID 678 Study on the Impact of Corporate Governance on Corporate Risk: A context of South African Firms

Vinayak A. Drave, Jindal Global Business School, O. P. Jindal Global University, India & Department of Business Administration, Chaoyang University of Technology, Taiwan

10:00 – 11:45 pm, MONDAY**Supply Chain****Virtual Room 3**

Session Chair: Wan Nurul Karimah Wan Ahmad, University Technology Malaysia (UTHM), Johor Bahru, Malaysia

ID 612 Intuitionistic Fuzzy Marcos Method for the green supplier selection problem

Oumaima Zarhaoui, IA Laboratory, Faculty of Sciences Meknes, Moulay Ismail University, Meknes, Morocco
 Kenza Oufaska, LERMA Laboratory, College of Engineering and Architecture, International University of Rabat, Rabat, Morocco
 Mustapha Oudani, TIC Lab Laboratory, College of Engineering and Architecture, International University of Rabat, Rabat, Morocco
 Khalid El Yassini, IA Laboratory, Faculty of Sciences Meknes, Moulay Ismail University, Meknes, Morocco

ID 112 Quantification of social cost at product price-level for urban freight: Study of a steel manufacturing plant

Chitresh Kumar, Associate Professor, Jindal Global Business School, O. P. Jindal Global University, Sonapat, Haryana

ID 331 Relationship of supply chain integration and supply chain risk management among Malaysian Small and Medium Enterprises

Avlyin Jay Sumayong, Faculty of Technology Management and Business, University Technology Malaysia (UTHM), Johor Bahru, Malaysia
 Nurul Karimah Wan Ahmad, Lecturer, Faculty of Technology Management and Business, University Technology Malaysia (UTHM), Johor Bahru, Malaysia

ID 556 Supply chain practices in a South African manufacturing SME

Wasab Negi, Eric Mikobi Bakama and Khathutshelo Mushavhanamadi, Department of Quality and Operations, University of Johannesburg Johannesburg, South Africa

ID 2 The Role of Supply Chain Alignment and Resilience in Improving Firm Performance: A Blockchain Capability Perspective Supply Chain Management

Darjat Sudrajat Assistant Professor, BINUS Business School Undergraduate Program BINUS University Jakarta, Indonesia.
 Hardijanto Saroso, Assistant Professor, BINUS Business School Undergraduate Program BINUS University Jakarta, Indonesia.
 Hendry Hartono, Assistant Professor, BINUS Business School Undergraduate Program, BINUS University Jakarta, Indonesia.
 Dicky Hida Syahchari, Assistant Professor, BINUS Business School Undergraduate Program, BINUS University, Jakarta, Indonesia.
 Andre Kreie, Director Logistics Education – LEED, Kuehne Foundation, Switzerland

ID 683 A Meta-Analysis of Corporate Governance and Firm Value in Emerging Economies

Ateequr Rahman, School of Management & Entrepreneurship, Indian Institute of Technology, Jodhpur, India

10:00 – 11:45 pm, MONDAY**Construction Management****Virtual Room 4**

Session Chair: Prof. Dr. M. Shamsuzzaman, University of Sharjah, UAE

ID 269 Design Decisions towards Minimising Construction Waste: Information-gap Theory Perspective

Madhavee Mahinkanda, PhD Candidate: UniSA STEM, University of South Australia, Adelaide, Australia
 Jorge Ochoa Paniagua, Senior Lecturer: UniSA STEM, University of South Australia, Adelaide, Australia
 Rameez Rameezdeen and Nicholas Chileshe, Associate Professor in Construction and Project Management: UniSA STEM
 University of South Australia, Adelaide, Australia
 Ning Gu, Professor in Architecture: UniSA Creative, University of South Australia, Adelaide, Australia

ID 120 Economic Feasibility Analysis of Sawaibu Bay Bridge Construction

Alfred Sanny Talaksoru, Master Program Department of Civil Engineering Narotama University, Surabaya, Indonesia
 Sri Wiwoho Mudjanarko and Muhammad Ikhsan Setiawan, Department of Civil Engineering Narotama University, Surabaya, Indonesia
 Atik Wahyuni, Universitas Muhammadiyah Sidoarjo

ID 542 Effectiveness of Farmer's Work with Agricultural Facilities with Extension and Its Effect on the Production Results of Farmer Group

Suwada, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Syahrudin, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Misbahuddin, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Firman H, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia
 Muhammad Nur Fattah, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Djumran Yusuf, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Muhammad Taufik, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

ID 555 Implementation of Agile Management in Construction Industry: A Perspective Towards Existing Structures

Mansoor Ahmed, Project Manager/ Mechanical Engineer, Z.I. Engineering P.C., 10 Fifth Street, Suite 303, Valley Stream, NY 11581, USA
 Ch. Mohammad Abbas Ifthikhar, Post-Doctoral Researcher, Department of Mechanical Engineering, University of Maryland, Baltimore County
 Baltimore, MD 21227, USA
 Akbar Syed, Lead Mechanical Engineer, Z.I. Engineering P.C., 10 Fifth Street, Suite 303, Valley Stream, NY 11581, USA

ID 564 Knowledge Management Analysis on the Performance of Logistics Personnel through Social Capital and Work Capabilities

Khaerul Hasman, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Hasmin Tamsah, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Nasaruddin Nawawi, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Gustika Sandra, Sekolah Tinggi Ilmu Hukum Pengayoman, Watampone, Indonesia
 Mansur Mansur, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Dian Aggraini Utina, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Wagiman S, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

ID 121 Economic Feasibility Analysis of Sawaibu Bay Bridge Construction

Alfred Sanny Talaksoru, Master Program Department of Civil Engineering Narotama University, Surabaya, Indonesia
Sri Wiwoho Mudjanarko and Muhammad Ikhsan Setiawan, Department of Civil Engineering Narotama University, Surabaya, Indonesia
Atik Wahyuni, Universitas Muhammadiyah Sidoarjo, Indonesia

ID 431 Public Service Management for Art Activists at the North Sumatra Cultural Park

Agung Suharyanto, Doctoral Program in Development Studies, Faculty of Social and Political Sciences, Universitas Sumatera Utara, Indonesia
Public Administration Study Program, Faculty of Social and Political Sciences, Universitas Medan Area, Indonesia
Marlon Sihombing, Hatta Ridho and Heri Kusmanto, Doctoral Program in Development Studies, Faculty of Social and Political, Universitas Sumatera Utara, Indonesia

ID 11 Research of The Impacts on The Hong Kong Office Property Market from Covid19

Tong Sabrina, Master of Real Estate and Construction, The Hong Kong Polytechnic University

10:00 – 11:45 pm, MONDAY

Case Studies

Virtual Room 5

Session Chair: Dr Santoso Wibowo, Central Queensland University and Dr Samrad Jafarian-Namin, University of Mohaghegh Ardabili, Iran

ID 176 Adaptation of Muhammadiyah Members to the Religious Tradition of Nahdlatul Ulama Gorontalo

Arfan Nusi, Lahaji, Department of Philosophy, Islamic State University of Sultan Amai Gorontalo, Indonesia
Nurul Ilmi Idrus and Hamka Naping, Department of Anthropology, Hasanuddin University, Makassar, Indonesia

ID 428 An Effects of Social Media on High School Students during the Covid-19 in Indonesia

Muhammad Alfikri, Solihah Titin Sumanti, Abdul Rasyid, Anang Anas Azhar and Syahrul Abidin, Program Study Communication Science, North Sumatera, Medan, Indonesia
Agung Suharyanto, Public Administration Study Program, Universitas Medan Area, Indonesia

ID 297 Analysis of Facilities and Infrastructure Management Its Impact on Student Learning Outcomes Through Quality of Learning in the Madrasah Working Group (KKM) State Aliyah Madrasah 1 Bulukumba

Andi Muhammad Tasmira, Hasmin Tamsah and Mislia, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Misnawati, Sekolah Tinggi Ilmu Hukum Pengayoman, Indonesia
Neni Triastuti, Politeknik Lp3i Medan
Weny Weny, Rina Friska Bintang Siahaan, Politeknik Cendana

ID 430 Analysis of Factors that Influence Employee Performance Dissatisfaction at UD Tito Medan

Dewi Anggraini, Marketing Management Study Program, Politeknik Cendana, North Sumatera, Indonesia
Fahmi Sulaiman, Marketing Management Study Program, Sekolah Tinggi Ilmu Manajemen Sukma, North Sumatera, Indonesia
Supriyanto, Business Administration Study Program, Politeknik LP3I Medan, North Sumatera, Indonesia
Budi Hartono, Master in Public Administration, Universitas Medan Area, North Sumatera, Indonesia
Agung Suharyanto, Public Administration Study Program, Faculty of Social Science and Political Science, Universitas Medan Area, North Sumatera, Indonesia
Endang Haryanti and Rahma Afwina, Faculty of Psychology, Universitas Medan Area, North Sumatera, Indonesia

ID 218 Analysis of Social Assistance Grants for Improving Community Welfare in West Sulawesi Province

Makiyah and Mattalatta Mattalatta, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Abdul Razak Munir, Fakultas Ekonomi dan Bisnis, Universitas Hasanuddin, Makassar, Indonesia
Misnawati, Sekolah Tinggi Ilmu Hukum Pengayoman, Makassar, Indonesia
Muhammad Arsyad and Ratna Supiyah, Department of Sociology, Halu Oleo University, Indonesia
Amin Tunda, Department of Social Welfare, Universitas Halu Oleo

ID 237 Analysis to Determine Hotel Room Rate During Low Season Using Dynamic Pricing Method (Case Study of Three New Hotels)

Raygian and Devianti, Accounting Department, School of Accounting, Bina Nusantara University, Jakarta, Indonesia
Zulkarnain, Business Hotel Management, Bina Nusantara University, Jakarta, Indonesia

ID 98 Auto-mechanics' Mental Workload and Posture Risk Assessment in Automobile Repair Shop: A Case Study

Charmine Sheena R. Saflor, Christy Maria C. Sanchez and Michelle D. Enriquez, College of Engineering, Occidental Mindoro State College Labangan, San Jose, Occidental Mindoro, Philippines
Charmine Sheena R. Saflor and Yung-Tsan Jou, Department of Industrial and Systems Engineering, Chung Yuan Christian University, Taoyuan City, Taiwan

ID 486 Business Process Analysis in Continuous Airworthiness Management in the Low-Cost Carrier Airline in Indonesia: A Case Study

Diaddr Pramudito, Novandra Rhezza Pratama and Rahmat Nurcahyo, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Kampus UI Depok, 16424, Indonesia

10:00 – 11:45 pm, MONDAY

BM

Virtual Room 6

Session Chair: Dr Amany Mohamed Mamdouh AKL, Capability Systems Centre, School of Engineering and IT, University of New South Wales (UNSW), Canberra, Australia

ID 597 Training and Work Discipline to Improve Individual Quality and Employee Performance of the Population and Civil Registration Office

Santy Djalangkara, Sekolah Tinggi Ilmu Ekonomi Amkop Makassar, Indonesia

A. Tenri Fitriyah, Universitas Bosowa, Makassar, Indonesia
 Baharuddin Baharuddin, Sekolah Tinggi Ilmu Ekonomi Amkop Makassar, Indonesia
 Mashud, STMIK AKBA, Makassar, Indonesia
 Hasmin Tamsah, Sekolah Tinggi Ilmu Ekonomi Amkop, Makassar, Indonesia
 Jamaluddin Bata Ilyas, Sekolah Tinggi Ilmu Ekonomi Amkop Makassar, Indonesia
 M Chairul Basrun Umanailo, Universitas Iqra Buru, Maluku, Indonesia

ID 227 Transnationalism of Sebatik Island Malaysia-Indonesia: A Regional Economic Integration Perspective

Sandy Nur Ikfal Raharjo, Research Center for Politics, National Research and Innovation Agency (BRIN), Jakarta, Indonesia
 Abdul Rahim Anuar, Institute for Indonesia, Thailand and Singapore (UUMITS), Universiti Utara Malaysia, Malaysia

ID 476 Value Co-Creation: An Exploratory Study of Sagala Multi-Brand Virtual Kitchen

Tedany Dwi Amiranti and Jurry Hatammimi, Department of Management, School of Economics and Business, Telkom University, Bandung, Indonesia

ID 229 Virtual Tour “Batik Tiga Negeri” As Innovation of Tourism Sustainability During the Outbreak of Covid-19 In Lasem, Rembang, Indonesia

Prisca Kiki Wulandari, Doctoral Student of National Resilience Science, Universitas Gadjah Mada, Lecturer at Universitas Brawijaya Indonesia
 M. Baiquni, Geography Department, Universitas Gadjah Mada, Indonesia
 Ahmad Zubaidi, Philosophy Department, Universitas Gadjah Mada

ID 40 What Rasch Model Tells About Intergenerational Ambidextrous Behavior Among Knowledge Workers

Maria Grace Herlina and Dicky Hida Syahchari, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 533 Active Learning with Cooperative Learning Model on Learning Outcomes Through Student Learning Motivation

Arbanawang, Sekolah Tinggi Ilmu Ekonomi Amkop Makassar, Indonesia
 Gunawan Bata Ilyas, Sekolah Tinggi Ilmu Ekonomi Amkop Makassar, Indonesia
 Adrianus Perenden, Sekolah Tinggi Ilmu Ekonomi Amkop Makassar, Indonesia
 Achmad Dahlan Abdullah, Universitas Muhammadiyah Bone, Makassar, Indonesia
 St. Hatidja, Sekolah Tinggi Ilmu Ekonomi Amkop Makassar, Indonesia
 Piter Tiong Phie, Sekolah Tinggi Ilmu Ekonomi Amkop Makassar, Indonesia
 Misnawati Misnawati, Sekolah Tinggi Ilmu Hukum Pengayoman, Watampone, Indonesia

ID 175 Active Tolerance Among Religious People Based on Local Genius in Social Practices of The Sukodadi Community, Wagir Distric, Malang Regency

Mohamad Anas and Destriana Saraswati, Lecturer, Faculty of Social and Political Sciences, Brawijaya University, Malang, Indonesia

10:00 – 11:45 pm, MONDAY

Business Management

Virtual Room 7

Session Chair: Dr. Lusheng Shao, University of Melbourne

ID 254 Branding and Digital Marketing of Micro, Small, Medium-sized Enterprises (MSMEs): A Case Study of Peanut Cookies

Agroindustry in Jember, Indonesia Agroindustry in Jember, Indonesia Business Management Meidiana Purnamasari Bina Nusantara University Indonesia

ID 83 Capital Structure and Financial Performance of Banks in Indonesia

Nathania Lucky, Patrick Wisely, Erwin Renehan Andjana and Miranda Tanjung, Binus Business School, Faculty of Magister Management, Binus University, Jakarta, Indonesia

ID 202 Clean and Healthy Public Toilet in Amenities Development in Surakarta Tourist Destinations

Argyo Demartoto, Siti Zunariyah and Sri Hilmi Pujihartati, Lecturer, Department of Sociology, Universitas Sebelas Maret, Central Java, Indonesia

ID 188 Competence and Rewards on Employee Performance through Motivation at the Sultan Daeng Radja Regional General Hospital, Bulukumba Regency

Tria Haryuni Dammar and Erwin Wijaya, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Razak Munir and Ekafadly Jusuf, Fakultas Ekonomi dan Bisnis, Universitas Hasanuddin, Makassar, Indonesia
 Bambang Sunatar, Department of Shariah Economic, State Islamic Institute of Sorong
 Muhamad Chairul Basrun Umanailo, Universitas Iqra Buru
 Chairun Nasirin, College of Health Sciences (STIKES), Mataram, Indonesia

ID 536 Competencies and Incentives Through Teacher Performance to Improve Student Learning Outcomes

Hasbi Munir, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Gunawan Bata Ilyas, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Abdul Haris, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Nurlaelah Mahmud, Universitas Muhammadiyah Sidenreng Rappang
 Hasbi Hasbi, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Munir Rauf, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Hasanuddin Rauf, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

ID 539 Competency Management on Satisfaction Work Through Career Development and Quality Work

Marlyna, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Mattalatta Mattalatta, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Hasmin Tamsah, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Kapriani, STIE Tri Dharma Nusantara Makassar, Makassar, Indonesia

Arifin Rauf, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Muhammad Fachmi, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
 Bahtiar Maddatuang, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

ID 378 Competitive Advantage as A Mediating Product Innovation And Social Media for The Marketing Performance Of Micro Small Medium Economics (MSMES) In Surabaya

Wiwik Handayani, Professor, Faculty of Economics and Business, Universitas Pembangunan Nasional Veteran Jawa Timur, Jawa Timur, Indonesia
 Andreas Nugroho Sihananto, Professor, Faculty of Computer Science, Universitas Pembangunan Nasional Veteran Jawa Timur, Jawa Timur, Indonesia
 Rusman Yulianto, Ari Setya Budi and Muhammad Khalif, Students, Faculty of Economics and Business, Universitas Pembangunan Nasional Veteran Jawa Timur, Jawa Timur, Indonesia

ID 523 Consumer profile and behavior in themed restaurants

Elizabeth Mayuri-Ramos, Universidad de Ciencias y Humanidades, Lima, Peru
 Mayra Ruth Sifuentes-Salcedo, Jackelin Briggite Rojas-Rosales and Geraldine Toribio-Tamayo, Business Faculty, Universidad Privada del Norte, Lima, Peru
 Yuri Vanessa Conde-Beltran, Universidad Cesar Vallejo, Lima, Peru
 Wilver Auccahuasi, Universidad Científica del Sur, Lima, Peru
 Franklin Cordova-Buiza, Research, Innovation and Social Responsibility Department, Universidad Privada del Norte, Lima, Peru
 Faculty of Business Sciences, Universidad Continental, Huancayo, Peru

ID 680 Socio Digital Tourism and Economy: Indonesia Trend

Muhammad Ikhsan Setiawan Narotama University, Indonesia

December 20 (TUESDAY)

December 20 (TUESDAY) - Session: 8:00 – 9:45 am

8:00 – 9:45 am, TUESDAY

Technical Presentation Onsite I

Onsite Room 1

Session Chair: Dr Sabrina Fawzia, Senior lecturer, Faculty of Engineering, School of Civil & Environmental Engineering, Queensland University of Technology (QUT), Australia

ID 489 Therapeutic Landscape and Its Impact on Restorative Experience and Health Perception

Ratna Roostika and Muafi, Senior Lecturer, Universitas Islam Indonesia, Indonesia
 Tomi Agus Triono and Reno Candra Sangaji, Student of Doctoral Program Management, Universitas Islam Indonesia, Indonesia

ID 621 Manufacturing Coordination Analysis: The Role of Market Intelligence Quality and Supply Chain on Product Innovation Performance

Siti Nursyamsiah, Alldila Nadhira Ayu Setyaning and M. Nur Ramadhan, Management Lecturers, Student, Faculty of Business and Economics Universitas Islam Indonesia (UII), Yogyakarta, Indonesia

ID 558 Corporate Compliance Approach to Discrimination-Free Workplace

Jorge Costa Silva Filho 1, Adriano Gomes de Freitas 2,4
 1 Postgraduate Program in Nanoscience and Advanced Materials
 2 Postgraduate Program in Energy
 Federal University of ABC, Santo André, São Paulo, Brazil

Adriano Gomes de Freitas 2,4
 4 Lab for Simulation and Modelling of Particulate Systems (SIMPAS)
 Monash University
 Clayton, Melbourne, Australia

Rayane Stephanie Gomes de Freitas, Nutrition Program in Federal University of São Paulo, São Paulo, Brazil

ID 12 Accelerating A Commercialization of The Innovation Technology Using Early Supply Chain Integration: A Case Study the Electric Motorcycle Swap Battery in Indonesia

Wahyudi Sutopo, University Centre of Excellence for Electrical Energy Storage Technology
 Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

ID 75 Decision making framework to evaluate the performance of libraries: An Indian perspective

Rohit Gupta, Indian Institute of management, Ranchi, India
 Bhawana Rathore, GLA University, India

ID 10 Optimal replacement policies with one cycle criterion

Shey-Huei Sheu, Department of Business Administration, Asia University, Taichung 41354, Taiwan
 Department of Medical Research, China Medical University Hospital, China Medical University, Taichung, Taiwan
 Department of Industrial Management, National Taiwan University of Science and Technology, Taipei 10607, Taiwan
 Tzu-Hsin Liu, Department of Finance, Chaoyang University of Technology, Taichung 413310, Taiwan
 Wei-Teng Sheu, Department of Business Administration, National Taiwan University of Science and Technology, Taipei 10607, Taiwan
 Jau-Chuan Ke, Department of Applied Statistics, National Taichung University of Science and Technology, Taichung 404, Taiwan

8:00 – 9:45 am, TUESDAY**Global Business Management / Plenary****Onsite Room 2**

Session Chair: Dr. Matthew Pepper, School of Business, Faculty of Business and Law, University of Wollongong NSW, Australia

8:00 – 8:20 am, Tuesday, December 20, 2022

Dr. Dr. Ir. Meilita Tryana Sembiring, ST.MT. IPM
Associate Professor
Secretary of Magister Management Program
Universitas Sumatera Utara
Medan Indonesia

8:20 – 8:40 am, Tuesday, December 20, 2022

Dr. Matthew Pepper
Associate Professor
Director, Centre for Supply Chain Research
School of Business, Faculty of Business and Law
University of Wollongong
NSW 2522 Australia

8:40 – 9:00 am, Tuesday, December 20, 2022

Dr. Russell Toth
Senior Lecturer of Development Economist
University of Sydney
Sydney, NSW, Australia

9:20 – 9:40 am, Tuesday, December 20, 2022

Prof. Sardar M. N. Islam (Naz) Ph. D., LL. B. (Law)
Professor, ISILC, Victoria University, Melbourne, Australia
Distinguished Visiting Professor of Artificial Intelligence, UnSri
Adjunct Professor of IT and Business, Armstrong Institute, Melbourne
Editor-in-Chief of "IAIC Transactions on Artificial Intelligence"

9:40 – 10:00 am, Tuesday, December 20, 2022

Professor Ir. Dr. Mohammad Yeakub Ali
Mechanical Engineering Programme
Faculty of Engineering
Universiti Teknologi Brunei Brunei Darussalam
Editor-In-Chief: International Journal of Engineering Materials and Manufacture

December 20 (TUESDAY) - Session: 10:00 am – 1:00 pm – Onsite Room 1

Conference Opening and Keynotes

Keynote I: 10:20 – 11:00 am

Prof. Devdas Shetty Ph.D, PE
Dean, School of Engineering and Applied Sciences
Professor of Mechanical Engineering
University of the District of Columbia
Washington, DC, USA

Keynote II: 11:00 am – 11:40 am

Prof. Raimo P. Hämmäläinen
Emeritus Professor
Systems Analysis Laboratory
Aalto University, Finland
Visiting Professor
Decision Sciences, School of Business and Economics
Loughborough University, UK

Keynote III: 11:40 am – 12:20 pm

Prof. Shams Rahman
Professor of Supply Chain Management
School of Accounting, Information Systems and Supply Chain
College of Business and Law
RMIT University
Melbourne, Australia

Keynote IV: 12:20 pm – 1:00 pm

Prof. Morris Fan
Dean, National Taipei University of Technology
Taipei, Vice President and Board Member
Asia Pacific Industrial Engineering and Management Systems
Society
Ministry of Science & Technology (MOST), Taiwan

1:00 – 2:00 pm – Lunch Break

December 20 (TUESDAY) - Session: 2:00 – 3:45 pm

2:00 – 3:45 pm, TUESDAY

Technical Presentation Onsite II

Onsite Room 1

Session Chair: Prof. Dr. Azharul Karim, Faculty of Engineering, School of Mechanical, Medical & Process Engineering, Queensland University of Technology (QUT), Brisbane, Australia

ID 611 The Investigation of Virtual Social Networks (VSN) and Positive EWOM on Purchase Intention: The Role of Trust and Time Flow
Aldila Nadhira Ayu Setyaning, Management Lecturer, Faculty of Business and Economics, Universitas Islam Indonesia (UII), Yogyakarta, Indonesia

ID 619 Family Control and Good Governance: Does It Affect Firm's Performance?
Katiya Nahda and Rifqi Kurniarsa, Faculty of Business and Economics, Universitas Islam Indonesia

ID 510 The Role of Supply Chain Agility in Mediating the Effect of Knowledge Sharing, Innovation, and Absorptive Capacity on Competitive Advantage

Dessy Isfianadewi, Associate Professor, Department of Management, Faculty of Business and Economics, Universitas Islam Indonesia, Yogyakarta, Indonesia

Nur Ellyanawati Esty Rahayu and Mellisa Fitri Andriyani Muzakir, Student of Doctorate Program, Department of Management, Faculty of Business and Economics, Universitas Islam Indonesia, Yogyakarta, Indonesia

ID 508 Improving MSMEs Operational Performance: The Role of Knowledge Management and Product Innovation

Baziedy Aditya Darmawan, Department of Management, Universitas Islam Indonesia, Yogyakarta, Indonesia

ID 448 Implementation of Construal Level Theory (CLT) on Indonesian Customers toward Domestic as well as Overseas Online Shopping

Asmai Ishak, Post-Graduate Management Program, Department of Management, Business and Economics Faculty, Universitas Islam Indonesia

Anik Purwanti, ASEAN Business Institute, Department of Management, Business and Economics Faculty, Universitas Islam Indonesia

Guruh Ghifar Zalzal, Management Program, Economics Faculty, Universitas PGRI Yogyakarta

Sri Rejeki Ekasasi, Sekolah Tinggi Ilmu Manajemen YKPN Yogyakarta

Anas Hidayat, Post-Graduate Management Program, Department of Management, Business and Economics Faculty, Universitas Islam Indonesia

2:00 – 3:45 pm, TUESDAY**Global Engineering Education I****Onite Room 2**

Session Chair: Professor Dr Ataur Rahman, UWS

2:00 pm – 2:20 pm (Tuesday, December 20)

Professor Dr Ataur Rahman

Fellow, Engineers Australia

Member, American Society of Civil Engineers

Professor of Water and Environmental Engineering Core Member,

Renewable Energy and Water Research Group (Sustainability and Resilience Theme)

School of Engineering, Design and Built Environment

Western Sydney University, Australia

2:20 pm – 2:40 pm (Tuesday, December 20)

Dr Adnan Syed Muhammad

B.E., M.Eng.Sc., M.Eng., M.B.A., Ph.D.

Founder and Executive Director

Academic Leadership Institute Australia

Sydney, Australia

2:40 pm – 3:00 pm (Tuesday, December 20)

Cerasela TANASESCU

Director

La Trobe Innovation and Entrepreneurship

Melbourne, Victoria, Australia

3:00 pm – 3:20 pm (Tuesday, December 20)

Dr. Sheikh Khaleduzzaman Shah, MIEAust, MAIE

Researcher, Monash University

Energy Consultant, Global Buildings Performance Network (GBPN)

Melbourne, Victoria, Australia

3:20 pm – 3:40 pm (Tuesday, December 20)

Dr. Ali Jaafari

Senior Consultant and Director

JCS

Sydney, New South Wales, Australia

2:00 – 3:45 pm, TUESDAY**Sustainability and Green Systems****Virtual Room 3**

Session Chair: Meilita Tryana Sembiring, Department of Industrial Engineering, Universitas Sumatera Utara (USU), Medan, Indonesia

ID 485 Acceptance Model for the Use of Biopolymer Packaging in Food Shopping Delivery Through the GoFood Application

Yola Lista Valentina, Djoko Sihono Gabriel and Rahmat Nurcahyo, Industrial Engineering Department, Universitas Indonesia, Depok, Indonesia

ID 441 Comparative Analysis on Cost and Benefit of The Rejected Brine Valorization Technology for Sustainable Brine Management: An Indonesia Case Study

Ayu Erliza and Arie Rakhman Hakim, National Research and Innovation Agency (BRIN), Jakarta, Indonesia

ID 60 Contribution of United Nation World Tourism in Support of Indonesia Tourism 2018-2020

Raisah Salsabilah, Student, International relations department, Faculty of Humanities, Bina Nusantara University (BINUS), Jakarta, Indonesia

Arthanami Ekakrisima Pandjaitan, Lecturer, International relations department, Bina Nusantara University (BINUS), Jakarta, Indonesia

ID 250 Fecal Coliform Reduction Management in Manila Bay Bathing Beaches: A Case Study in the Philippines

Kyler Hewitt Sy, International School Manila, University Parkway, Fort Bonifacio Global City, Taguig, Philippines
Ardvin Kester S. Ong, School of Industrial and Engineering Management, Mapua University, 658 Muralla St., Intramuros, Manila, Philippines

ID 515 An Assessment of the Potential to Recover Gold from E-waste as a Waste Management Initiative

M. M. Manyuchi, Department of Operations and Quality Management, Faculty of Engineering and the Built Environment, University of Johannesburg, South Africa
A. Phiri, P. Malunga, R. Jamakanga, T. Homero, T. Guzura, K. Kanengoni, J. Madamombe, E.B. Matauto and T. Kurwara, Department of Chemical and Process Systems Engineering, School of Engineering and Technology, Harare Institute of Technology, Zimbabwe
N. Sukdeo, Department of Operations and Quality Management, Faculty of Engineering and the Built Environment, University of Johannesburg, South Africa

ID 637 Young Generation's Perception and Buying Reasons of Electric Bicycles

Chandrasa Soekardi, Mechanical Engineering Department, Mercu Buana University, Jakarta, Indonesia
Puji Prabowo, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 638 Young Generation's Perception on Electric Car's Design

Chandrasa Soekardi, Mechanical Engineering Department, Mercu Buana University, Jakarta, Indonesia
Puji Prabowo, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 88 A Comprehensive System Design for Palm Oil Supply Chain Network: A Case Study in Indonesia

Meilita Tryana Sembiring, Department of Industrial Engineering, Universitas Sumatera Utara (USU), Medan, Indonesia
M Zaky Hadi, Department of Industrial Engineering, Institut Teknologi Sumatera, Lampung, Indonesia
Muhammad Riezky A. L., Magister Management Program, Universitas Prasetya Mulya, Jakarta, Indonesia
Lina Aulia, Department of Industrial Engineering, Institut Teknologi Sumatera, Lampung, Indonesia

2:00 – 3:45 pm, TUESDAY

Industry 4.0

Virtual Room 4

Session Chair: Awsan Mohammed, King Fahd University of Petroleum and Minerals, Dhahran 31261, Saudi Arabia

ID 575 A Critical Review on Materials Used in Additive Manufacturing

M. B. Kiran, Department of Mechanical Engineering, School of Technology, Pandit Deendayal Energy University, Gandhinagar, Gujarat, India

ID 101 A review of Blockchain and Cryptocurrency in the South African Banking

Siphiwe Sithole, Eric Mikobi Bakama and Khathutshelo Mushavhanamadi, Department of Quality and Operations, University of Johannesburg Johannesburg, South Africa

ID 213 Comparative Study of Industry 4.0 Readiness Measurement Tools of Indonesian Company: INDI 4.0, IMPULS and SIRI

Siti Afiani Musyarofah, Department of Mechanical and Industrial Engineering, Universitas Gadjah Mada, Yogyakarta 55281, Indonesia
Agency for Industrial Standardization and Services Policy, Ministry of Industry, Jakarta, Indonesia
Alva Edy Tontowi, Nur Aini Masruroh and Budhi Sholeh Wibowo, Industrial Engineering Program, Department of Mechanical and Industrial Engineering, Universitas Gadjah Mada, Yogyakarta 55281, Indonesia

ID 102 Cryptocurrency as a Component of the Blockchain in the South African Banking Industry amid 4IR

Siphiwe Sithole, Eric Mikobi Bakama and Khathutshelo Mushavhanamadi, Department of Quality and Operations, University of Johannesburg Johannesburg, South Africa

ID 85 Determination of Product Promotion Recommendations Using Market Basket Analysis With FP-Growth Procedures and Clustering Techniques: Case Study of Sukku Coffee and Space

Muhammad Riezky A. L., Magister Management Program, Universitas Prasetya Mulya, Jakarta, Indonesia
Meilita Tryana Sembiring, Secretary of Magister Management, Department of Industrial Engineering, Universitas Sumatera Utara, Medan, Indonesia
Richo Giwana Resdy Maulana, Departmen of Industrial Engineering, Universitas Sumatera Utara, Medan, Indonesia

ID 554 Different Types of 3D-Printers and their Variants – A Review paper

Raaj Patel, Ravi Prajapati, Kutik Soni, Mahin Patel and Dr. MB Kiran, School of Technology, Pandit Deendayal Petroleum University, Gandhinagar, Gujarat, India

ID 238 Empowering Digital Twin for Production Operations with Deep Learning: A Case Study

Eric C.H. Wai, Department of Industrial and Systems Engineering, The Hong Kong Polytechnic University, Hong Kong SAR, China
Dr. Carman K.M. Lee, Department of Industrial and Systems Engineering, The Hong Kong Polytechnic University, Hong Kong SAR, China

ID 272 Industry Revolution 4.0: The Challenges in Oil and Gas industry in Saudi Arabia

Awsan Mohammed, Construction Engineering and Management Department, Interdisciplinary Research Center in Smart Mobility and Logistics; King Fahd University of Petroleum and Minerals, Dhahran 31261, Saudi Arabia

2:00 – 3:45 pm, TUESDAY

Waste Management

Virtual Room 5

Session Chair: Carsten Thümmel, Institute of Product Engineering (IPEK), Karlsruhe Institute of Technology (KIT), 76131 Karlsruhe, Germany

ID 54 Computer Mediated Communication as a Multi- Modalitis in Understanding the Gender Role on E-waste Management

Arsiyanti Lestari, Siswantini Siswantini and Lila Nathania, Marketing Communication, Faculty of Digital Communication and Hotel & Tourism Bina Nusantara University, Jakarta Indonesia
HM Bakar, Rosilawati Sultan Mohideen and Ilya Yasnoriza Ilyas, Faculty of, Communication and Media Studies, Univertsiti Teknologi MARA

Melaka, Malaysia

ID 460 Development of Integrated Electronic Waste Management System Strategies in Indonesia

Ilham Ali Akbar and Romadhani Ardi, Department of Industrial Engineering, Faculty of Engineering, University of Indonesia, Depok, Indonesia

ID 354 Optimising waste removal/product returns and transportation in the developing world: In-house vs out-sourcing reverse

Tatenda Talent Chingono, University of Johannesburg, South Africa

ID 353 Sustainability of waste management practices in South Africa

Tatenda Talent Chingono, University of Johannesburg, South Africa

ID 610 Implementation of Anti-Bribery Management System Designed to Mitigate the Bribery Risk in State-Owned Enterprises: A Case Study of Indonesia Agribusiness Industry

Kartika Trisna Putri, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 162 User Responses of Agricultural Product Applications in the Era of the Covid-19 Pandemic as Part of a Digital Community

Muryanti, Sociology Study Program, Faculty of Social Sciences and Humanities, State Islamic University Sunan Kalijaga, Yogyakarta, Indonesia

ID 86 Foresight in Product Development - A Review on Existing Understandings and Approaches

Carsten Thümmel, Michael Schlegel, Maximilian Kübler, Stefan Schwarz and Andreas Siebe, Institute of Product Engineering (IPEK), Karlsruhe Institute of Technology (KIT), 76131 Karlsruhe, Germany

Bastian Nolte and Sebastian Sommer, Institute for Engineering Design (IK), TU Braunschweig, 38108 Braunschweig, Germany

December 20 (TUESDAY) - Session: 4:00 – 5:45 pm

4:00 – 5:45 pm, TUESDAY

Technical Presentation Onsite III

Onsite Room 1

Session Chair: Dr Imran Ali, Lecturer in Operations and Innovation Management, School of Business and Law, Central Queensland University (CQU), Melbourne, VIC 3000, Australia

ID 552 Gentle and Energy-Efficient Pneumatic Conveying of Solids

Adriano Gomes de Freitas and Luis Alberto Martinez Riascos, Postgraduate Program in Energy, Federal University of ABC (UFABC), Santo André, São Paulo, Brazil

Jose Eduardo Munive-Hernandez, Faculty of Engineering and Informatics, University of Bradford, West Yorkshire, United Kingdom

Ruiping Zou, Lab for Simulation and Modelling of Particulate Systems (SIMPAS), Monash University, Clayton, Australia

ID 436 The Contribution of Environmental Commitment on Business Sustainability, Circular Economy Implementation, and Competitive Advantage

Muafi, Professor, Management Department, Universitas Islam Indonesia

Ratna Roostika, Senior Lecturer, Management Department, Universitas Islam Indonesia

Dian Retnaningdiah, Student of Doctoral Program Management, Universitas Islam Indonesia

Mellisa Fitri Andriyani Muzakir, Student of Doctoral Program Management, Universitas Islam Indonesia

Fatimah Az Zahra, Student of Bachelor Program, Departement of Management, Universitas Islam Indonesia

ID 615 Factors Affecting Online Learning Satisfaction among Students in Higher Learning Institutions: an Indonesian Study

Istyakara Muslichah, Faculty of Business and Economics, Universitas Islam Indonesia, Yogyakarta, Indonesia

Nik Herda Nik Abdullah, School of Accounting and Finance, Faculty of Business and Law, Taylor's University, Selangor, Malaysia

Nabilah Rozzani, Teach for Malaysia, Kuala Lumpur, Malaysia

Soliha Sanusi and Dahlia Fernandez Mohd Farid Fernandez, Faculty of Economic and Management, Universiti Kebangsaan Malaysia Selangor, Malaysia

ID 484 A Comparative Analysis of Knowledge Sourcing Strategies and Innovation: Manufacturing Firms in High- and Middle-Income Countries

Arif Hartono, Department of Management, Universitas Islam Indonesia (UII), Yogyakarta, Indonesia

ID 364 The Effect of Regional Original Income (PAD), Balancing Funds on Economic Growth through the Human Development Index (IPM) in Central Mamuju Regency

Ahmad Sukri, Baharuddin Baharuddin and Mansur Azis, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Lukman Yudho Prakoso, Universitas Pertahanan Republik Indonesia, Bogor, Indonesia

Andries Lionardo, University of Sriwijaya, Palembang, Indonesia

Muhamad Chairul Basrun Umanailo, Universitas Iqra Buru

Syafrizaldi, Faculty of Psychology, Universitas Medan Area, North Sumatera, Indonesia

ID 599 Blockchain Technology for Sustainable Supply Chain Management Systems

Nelson Sizwe Madonsela, Faculty Engineering and the Built Environment, University of Johannesburg, P.O. Box 524, Auckland Park, 2006, South Africa

Corner Kingsway and University Road, Auckland Park, South Africa

Patrick Toyo, Faculty Engineering and the Built Environment, University of Johannesburg, P.O. Box 524, Auckland Park, 2006, South Africa

Corner Kingsway and University Road, Auckland Park, South Africa

4:00 – 5:45 pm, TUESDAY

Global Engineering Education II

Onsite Room 2

Session Chair: Dr. Hasan H. Turan, Lecturer and Research Lead at Capability Systems Centre, University of New South Wales (UNSW Canberra), Australia

4:00 pm – 4:20 pm (Tuesday, December 20)

Professor Dr. Azharul Karim
Faculty of Engineering, School of Mechanical, Medical & Process Engineering
Queensland University of Technology (QUT)
Brisbane, Australia

4:20 pm – 4:40 pm (Tuesday, December 20)

Adriano de Freitas
Visitor PhD Scholar
Monash University
Melbourne, Victoria, Australia

4:40 pm – 5:00 pm (Tuesday, December 20)

Yousaf Bin Zikria, Ph.D. SMIEEE
Assistant Professor of Information and Communication Engineering
Yeungnam University
Sydney, New South Wales, Australia

5:00 pm – 5:20 pm (Tuesday, December 20)

Dr. Ahad Ali
Associate Professor
Director of Bachelor of Science in Industrial Engineering
Director, Master of Science in Industrial Engineering
Director, Graduate Certificate in Lean Six Sigma
Director of Smart Manufacturing and Lean Systems Research Group
A. Leon Linton Department of Mechanical, Robotics and Industrial Engineering
Lawrence Technological University
Southfield, Michigan, USA

5:20 pm – 5:40 pm (Tuesday, December 20)

4:00 – 5:45 pm, TUESDAY

Sustainability

Virtual Room 3

Session Chair: Petronella Nyakudya, University of Johannesburg, Auckland Park, 2006, Johannesburg, South Africa

ID 25 Framework Reverse Logistics End of Life Swap Battery for Sustainable Supply Chain: A Preliminary Research

Annie Purwani, Ph.D. Student Department of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret, Surakarta 57126, Indonesia
Department of Industrial Engineering, Faculty of Engineering, Universitas Ahmad Dahlan, Yogyakarta, Jl. Ringroad Selatan, Kragilan, Tamanan, Kec. Banguntapan, Kabupaten Bantul, Daerah Istimewa Yogyakarta 55191, Indonesia
Wahyudi Sutopo, Department of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret, Surakarta 57126, Indonesia
Muhammad Hisjam, Department of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret, Surakarta 57126, Indonesia
Anugerah Widiyanto, Directorate of Human Development, Demography, and Culture Policy, Deputy for Development Policy, National Research and Innovation Agency (BRIN), BJ Habibie Bld. 6th fl., MH Thamrin No. 7, Central Jakarta, 10340 Indonesia

ID 624 Lead Time Loading Dock Reduction in Refined Sugar Company for Continuous Improvement

Yaumul Khairon and Farizal F, Industrial Engineering Department, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 21 Retail Business Model Change in the Era of Digital Transformation: A Canvas Business Model

Ghada Elkady, Senior Lecturer, College of International Transport & Logistics, Arab Academy for Science, Technology & Maritime Transport (AASTMT), Alexandria, Egypt

ID 273 Circular Economy in Climate-related Disclosures

Hirotsugu Kitada, Associate Professor, Faculty of Business Administration, Hosei University, Tokyo, Japan
Masaatsu Takehara, Specially appointed Associate Professor, Faculty of Sustainability Study, Hosei University, Tokyo, Japan

ID 58 Industrial Symbiosis Framework Development for Managing Industrial Waste in Harare

Petronella Nyakudya, Daniel M Madyira and Nkosinathi Madushela, Postgraduate School of Engineering Management, Department of Mechanical Engineering Science, University of Johannesburg, Auckland Park, 2006, Johannesburg, South Africa

ID 676 Impact of ESG On Firm Value: A study of China & South Africa

Vinayak A. Drave, Jindal Global Business School, O. P. Jindal Global University, India & Department of Business Administration, Chaoyang University of Technology, Taiwan

ID 684 Do product life cycle affects firm's performance: Evidence from Indian manufacturing Industry

Vikas Sangwan Jindal Global Business School, Jindal Global University, Sonapat, India India

ID 682 A study on the Influence of the Environment, Social, and Governance Factors on Shareholder Activism

Vinayak A. Drave, Jindal Global Business School, O. P. Jindal Global University, India & Department of Business Administration, Chaoyang University of Technology, Taiwan

4:00 – 5:45 pm, TUESDAY**Industry 4.0****Virtual Room 4**

Session Chair: Khristian Edi Nugroho Soebandrija, Industrial Engineering Department, Bina Nusantara University, Jakarta, Indonesia

ID 38 New Digital Culture Metaverse Preparation Digital Society for Virtual Ecosystem

Ferric Limano, Animation Program, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia

ID 330 The Challenge of Journalists in the Cyber Media Era on Maintaining Their Identity

Yanuarita Kusuma Permata Sari, Muslikhin, Indra Prawira and Ebnur Yufriadi, Communication Science Department, Faculty of Digital Communication, Hotel and Tourism, Bina Nusantara University, Jakarta, Indonesia

ID 452 The Outcome of Quality Matrix in Malaysian Industry 4.0

Nur Athirah Binti Mazlan, Research Scholar, Faculty of Technology Management and Technopreneurship, Universiti Teknikal Malaysia Melaka (UTeM), Melaka, Malaysia
Nor Ratna Masrom and Mohd Syaiful Rizal Abdul Hamid, Faculty of Technology Management and Technopreneurship, Universiti Teknikal Malaysia Melaka (UTeM), Melaka, Malaysia

ID 51 The Role and Impact of Value Chain on Sustainable Firm Performance: A Literature Review in High-Tech Industries

Almira Rahma Saphyra and Noerlina, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia
Kartika Dewi, Finance Program, Accounting Department, Faculty of Economics and Communication, Bina Nusantara University, Jakarta, Indonesia
Tirta Nugraha Mursitama, International Relations Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 48 The Use of E-Governance in Developing Countries: A Case of South Africa during the COVID-19 Pandemic

Lerato Mofokeng, DSI/NRF/Newton Fund Transformative Innovation, Fourth Industrial Revolution and Sustainable Development, University of Johannesburg, Johannesburg, RSA

ID 547 A Review on Optimal Planning While Constructing EV Charging Stations

Dhanraj Kumar Parghi, Mahak Pandya, Neelkumar Patel, Siddharth Nair and M.B. Kiran, School of Technology, Pandit Deendayal Energy University Gandhinagar, Gujarat, India

ID 282 Failure Modes and Effects Analysis (FMEA) in Indonesia's Construction Project through Lens of Improvement and Decision-Making Strategy

Khristian Edi Nugroho Soebandrija, Industrial Engineering Department, Bina Nusantara University, Jakarta, Indonesia
Hwi-Chie Ho, Industrial Engineering Department, Bina Nusantara University, Jakarta, Indonesia
Gatot Suhariyanto, Architecture Department, Faculty of Engineering, Bina Nusantara University, Jakarta, Indonesia
Selvi, Gladysa Valerie and Ricky Darmawan, Industrial Engineering Department, Bina Nusantara University, Jakarta, Indonesia

ID 346 Effects of Hexaco Personality Traits on Contracting Behavior

Ümmühan Akbay, Department of Management, Işık University, Istanbul 34980, Turkey

4:00 – 5:45 pm, TUESDAY**Engineering Management****Virtual Room 5**

Session Chair: Ouni Fedy, Higher Institute of Transport and Logistics of Sousse, University of Sousse, Tunisia

ID 622 Acceptance Model to Use Household-Furniture of Scrap Wood Material

Azam Ibrahim Ghufuran, Graduate Student, Faculty of Engineering, University of Indonesia, Depok city, West Java, Indonesia
Djoko Sihono Gabriel, Department of Engineering, University of Indonesia, Depok city, West Java, Indonesia

ID 100 Decision support for SME entrepreneurs to become SME4.0

Kenza Berrada, Faculty of Sciences and Techniques, Sidi Mohamed Ben Abdellah University, B.P. 2202 - Imouzzer Road, Fez, Morocco
Brahim Herrou, Higher school of technology, B.P.2427 - Imouzzer Road, Fez, Morocco

ID 306 Knowledge Management in Disaster Preparedness: An Analysis of 7.0 Magnitude Earthquake in 2022 Luzon Philippines

Ma. Teodora E. Gutierrez, Assistant Professor IV, Industrial Engineering Program, Technological Institute of the Philippines, Quezon City, Philippines

ID 455 Organizational Excellence and Agility: A Correlation Model

Karam Al-Assaf, Master's of Science in Engineering Management, Rochester Institute of Technology, Dubai, UAE
Dr. Slim Saïdi, Associate Professor of Industrial Engineering, Rochester Institute of Technology, Dubai, UAE

ID 382 Emergency Medical Service Station Location-Allocation and Sizing Problem for Istanbul

Levent Eriskin and Mumtaz Karatas, Department of Industrial Engineering, National Defence University, Turkish Naval Academy, Istanbul, Turkey

ID 601 Spatial Analysis of Road Traffic Accidents Between Tunisian Regions

Ouni Fedy, Department of Transportation and Logistics, Higher Institute of Transport and Logistics of Sousse, University of Sousse, Tunisia
Attig Ines, Department of Economics, Faculty of Economic Sciences and Management of Sousse, University of Sousse, Tunisia
Attig Imen, Engineering Department, Drone Xperts, Quebec, Canada
101-2059 Av. Branly, Québec, QC G1N 4C7, Environment Department, National Institute of Scientific Research of Québec (INRS), Canada

ID 424 The Effectiveness of Smart Transportation Systems in emerging economies: A Case of South Africa

Lawrance Seseni, Department of Business Management, School of Management, College of Business Management, University of Johannesburg Auckland Park, Johannesburg, South Africa
Sebonkile Cynthia Thaba, Department of Transport and Supply Chain Management, School of Management, College of Business Management University of Johannesburg, Auckland Park, Johannesburg, South Africa
Charles Mbohwa, Department of Quality and Operations Management, Faculty of Engineering and Built Environment, University of Johannesburg

December 21 (WEDNESDAY)

December 21 (WEDNESDAY) - Session: 8:00 – 9:45 am

8:00 – 9:45 am, WEDNESDAY

Technical Presentation Onsite III

Onsite Room 1

Session Chair: Prof. Jan-Harm Christiaan Pretorius, Postgraduate School of Engineering Management, University of Johannesburg, South Africa

ID 550 Cloud computing task scheduling problem by Nondominated Sorting Genetic Algorithm II (NSGA-II)

Wei-Chang Yeh, Integration and Collaboration Laboratory, Department of Industrial Engineering and Engineering Management, National Tsing Hua University, Hsinchu 300, Taiwan

Wenbo Zhu, School of Mechatronical Engineering and Automation, Foshan University, Foshan 528000, China

Ying Yin, Department of Industrial Engineering and Engineering Management, National Tsing Hua University, Hsinchu 300, Taiwan

Chia-Ling Huang, Department of International Logistics and Transportation Management, Kainan University, Taoyuan 33857, Taiwan

ID 74 Branding and Advertising Strategies for Entrepreneurship in Vocational School SMKN 51 Jakarta

Dewi Tamara, MM Executive Program, BINUS Business School Master Program, Bina Nusantara University, Jakarta 11480, Indonesia

Desly Wahyuni, SMKN 51, Jakarta, Indonesia

ID 557 Mapping of 4.0 Industry Revolution Enabling Technologies

Catarina de Andrade Lucizano and Adriano Gomes de Freitas, Postgraduate Program in Engineering and Management of Innovation

Postgraduate Program in Energy, Federal University of ABC (UFABC), Santo André, São Paulo, Brazil

Lab for Simulation and Modelling of Particulate Systems (SIMPAS), Monash University, Clayton, Melbourne, Australia

Alexandre Acácio de Andrade, Postgraduate Program in Engineering and Management of Innovation, Federal University of ABC (UFABC), Santo André, São Paulo, Brazil

ID 125 Exploring the causes of Premature Failures of Water Pipeline Systems in South Africa

Thabo Naledi, Bheki Makhanya and Jan Harm C. Pretorius, Postgraduate School of Engineering Management, Faculty of Engineering and the Built Environment, University of Johannesburg, PO BOX 524, Auckland Park 2006, South Africa

ID 348 Aligning Education and Workforce Training with Industry needs: A perspective on human capital development

Nelson Sizwe Madonsela, Faculty Engineering and the Built Environment, University of Johannesburg, P.O. Box 524, Auckland Park, 2006, South Africa

Corner Kingsway and University Road, Auckland Park, South Africa

8:00 – 9:45 am, WEDNESDAY

Technical Presentation Onsite IV

Onsite Room 2

Session Chair: Prof. Dr Aries Susanty ST MT. Head of Optimization and Industrial Planning System Laboratory Industrial Engineering Department, Diponegoro University Central Java, Indonesia

ID 628 Comparative evaluation Unity and Unreal, using Nielsen's 10 heuristics as an evaluation parameter

Bruno Inácio and Fábio Alexandrini, Catarinense Federal Institute of Education, Science and Technology

Postgraduate Program in Engineering and Production, Federal University of Santa Catarina, Florianópolis, Santa Catarina, Brazil

Adriano Gomes de Freitas, Postgraduate Program in Energy, Federal University of ABC, Santo André, São Paulo, Brazil

Lab for Simulation and Modelling of Particulate Systems (SIMPAS), Monash University, Clayton, Melbourne, Australia

ID 172 Carbon Footprint Reduction During the Wire Drawing Process at an Electrical Cable Manufacturing Company

Luis Manzanedo, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima, Perú

Mechelle Prado, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima, Perú

Marcos Fernando Ruiz-Ruiz, Associate Professor, Universidad de Lima, Lima, Perú

ID 418 Engineering Management in Australia: An Overview of Current Practices

June Ho, Viken Kortian and Nazmul Huda, School of Engineering, Macquarie University, Sydney, Australia

ID 82 The moderating role of the lean practices on the relationship between the digital supply chain and performance (A case study of the Indonesian automotive industry)

Mohammad Agung Saryatmo, Department of Industrial Engineering, Universitas Tarumanagara, Jakarta, Indonesia

December 21 (WEDNESDAY) - Session: 10:00 am – 1:00 pm

Keynote Speakers – Onsite Room 1

Keynote V: Wednesday, December 21, 2022, 10:20 – 11:00 am

Prof. Dr. Ir. Wahyudi Sutopo

Professor, Industrial Engineering Department
Universitas Sebelas Maret (UNS)
Surakarta, Indonesia

Keynote VI: Wednesday, December 21, 2022, 11:00 – 11:40 am

Frank Will
Founder and CEO
Ino8 Pty Ltd
Victoria, Australia

Keynote VII: Wednesday, December 21, 2022, 11:40 am – 12:20 pm

Prof. Srinath Perera
Director, Centre for Smart Modern Construction c4SMC
Chair of Built Environment & Construction Management
Western Sydney University
Sydney, Australia

Keynote VIII: Wednesday, December 21, 2022, 12:20 – 1:00 pm

Dr Gnana K Bharathy
Artificial Intelligence and Research Data Specialist,
Faculty of Engineering & Information Technology
University of Technology Sydney (UTS)
Sydney, Australia

1:00 – 2:00 pm – Lunch Break

December 21 (WEDNESDAY) - Session: 2:00 – 3:45 pm

2:00 – 3:45, WEDNESDAY

Technical Presentation Onsite V

Onsite Room 1

Session Chair: Ferry Jie, School of Business and Law, Edith Cowan University, Western Australia, Australia

ID 629 Comparative Analysis of COVID-19 Infected Information Sites

Adriano Zimmermann and Fábio Alexandrini, Catarinense Federal Institute of Education, Science and Technology
Postgraduate Program in Engineering and Production, Federal University of Santa Catarina, Florianópolis, Santa Catarina Brazil
Adriano Gomes de Freitas, Postgraduate Program in Energy, Federal University of ABC, Santo André, São Paulo, Brazil
Lab for Simulation and Modelling of Particulate Systems (SIMPAS), Monash University, Clayton, Melbourne, Australia

ID 646 Multi-Response Optimization of Polytetrafluoroethylene CNC Turning Process Using Hybrid Method Considering Sustainability

Eko Pujiyanto, Senior Lecturer, Department of Industrial Engineering, Sebelas Maret University, Surakarta, Indonesia
Suwondo Adi Saputro and Cucuk Nur Rosyidi, Department of Industrial Engineering, Sebelas Maret University, Surakarta, Indonesia

ID 648 Do Human Resources Management (HRM) Practices Impact on Seaport Competitiveness?

Kayode Adeyemi, Shams Rahman and Muhammad Abdulrahman, School of Accounting, Information System and Supply Chain, Royal Melbourne Institute of Technology (RMIT) University, Melbourne Victoria 3001 Australia

ID 503 Development of a Cost-Effective Cyber-Physical Production System for the Make-to-Order Industry

Anas Ma'ruf and Rifqi Qinthara dan Muhammad Rafif Rajendra Wiradikara, Faculty of Industrial Technology, Bandung Institute of Technology Bandung, 40132, Indonesia

ID 215 The Impact of Total Productive Maintenance on Performance in The South African Food Manufacturing Industry

Jacques Weideman, Andre Vermeulen and Jan Harm C. Pretorius, Postgraduate School Engineering Management, Faculty of Engineering and Built the Environment, University of Johannesburg, PO BOX 524, Auckland Park 2006, South Africa

2:00 – 3:45, WEDNESDAY

Industry Solutions I

Onsite Room 2

Session Chair: Sang Tran, Monash University, Melbourne, Victoria, Australia and Operational Excellence, STADA Group, Vietnam

2:00 pm – 2:20 pm (Wednesday, December 21)

Pringgo Widyo Laksono, Ph.D. Eng.
Associate Professor in Industrial Engineering
Head of Engineering Profession Program
Director of Center for Research in Manufacturing Systems
Former Director of Center for Research and Technology Development and Industrial Collaboration, Production System Laboratory
Industrial Engineering Department, Faculty of Engineering
Universitas Sebelas Maret, Surakarta, Indonesia

2:20 pm – 2:40 pm (Wednesday, December 21)

Dr Ihfasuziella Ibrahim
Researcher
Construction Research Institute of Malaysia (CREAM)
Malaysia

2:40 pm – 3:00 pm (Wednesday, December 21)

Kim Sang Tran
PhD Candidate – Monash University, Melbourne, Victoria, Australia
Vice President – Bilal Global Management Consulting (BGMCM)
Past – Senior Deputy Head – Operational Excellence, STADA Group, Vietnam

ID 606 Detection of Micro-scratch Found on Surface of Steel Filament Using Eddy Current Sensor

Kim Sang Tran, Vice President, Bilal Global Management Consulting, 10 Bandy Fields Place Salford, UK

3:00 pm – 3:20 pm (Wednesday, December 21)

Mansoor Ahmed
MEP Engineer at ZIE, PC, MSc Mech. Eng., US, MSc Eng. Mech., Sweden, alley Stream, New York, United States

3:20 pm – 3:40 pm (Wednesday, December 21)

Puan Khairunnisa Kamaruzzaman
Researcher, Construction Research
Institute of Malaysia
Kuala Lumpur, Malaysia

2:00 – 3:45, WEDNESDAY

Operations Research

Virtual Room 3

Session Chair: Priyanka Verma, National Institute of Industrial Engineering, Mumbai, Maharashtra-40087, India

ID 245 A Heuristic Solution Method for School Lunch Menu Optimization Problem Considering the Frequency of Ingredients and Dishes

Himawari Takeuchi, Department of Industrial Engineering and Management, Graduate School of Engineering, Kanagawa University, Kanagawa, Japan
Takeshi Uno, Field of Applied Mathematical Science, Department of Mathematical Science, Graduate School of Technology, Industrial and Social Science, Tokushima University, Tokushima, Japan
Kazuki Ota and Hideki Katagiri, Department of Industrial Engineering and Management, Faculty of Engineering, Kanagawa University, Kanagawa, Japan

ID 242 A Heuristic Solution Method for Solving Job Shop Scheduling Problems Considering Crane Interference

Kosuke Kobayashi and Hideki Katagiri, Department of Industrial Engineering and Management, Faculty of Engineering, Kanagawa University Kanagawa, Japan
Takashi Tanizaki, Department of Informatics, Faculty of Engineering, Kindai University, Hiroshima, Japan

ID 352 An African perspective to reverse logistics: the reuse of plastic waste in the city of Johannesburg.

Tatenda Talent Chingono, University of Johannesburg, South Africa

ID 498 Assessment of Assignment Problem using Hungarian Method

Shahriar Tanvir Alam, Lecturer, Department of Industrial and Production Engineering, Military Institute of Science and Technology. Dhaka, Bangladesh
Eshfar Sagor, Tanjeel Ahmed, Tabassum Haque, Md Shoaib Mahmud, Salman Ibrahim, Ononya Shahjahan and Mubtasim Rubaet, Department of Industrial and Production Engineering, Military Institute of Science and Technology. Dhaka-1216, Bangladesh

ID 275 Performance Measurement of Gas Station in Indonesia Based on Ownership Status Using Two-Stage Data Envelopment Analysis

Priani Nadhira and Isti Surjandari, Departemen of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Kampus UI Depok, Indonesia

ID 614 Reducing Waiting Time in Local Diagnostic Clinic: An Application of Queueing Theory

Marianne B. Calayag, Jericho Ryan L. Cardejon, Amiel John D. Cueva, Cristina Sta. Cruz and Jayrous Joshua C. Ubaldo, Industrial Engineering Department, Bulacan State University, City of Malolos, Bulacan, Philippines

ID 335 Sustainable Supplier Selection Criteria Evaluation for Additive Manufacturing Case

Priya Ambikar, Research Scholar, Department of Operations and Supply Chain Management, National Institute of Industrial Engineering, Mumbai, Maharashtra-40087, India
 Priyanka Verma, Associate Professor, Department of Operations and Supply Chain Management, National Institute of Industrial Engineering, Mumbai, Maharashtra-40087, India
 Debabrata Das, Associate Professor, Department of Analytics and Data Science, National Institute of Industrial Engineering, Mumbai, Maharashtra-40087, India

2:00 – 3:45, WEDNESDAY**Information Technology****Virtual Room 4**

Session Chair: Robert Monageng, University of Botswana (UB), Gaborone, Botswana

ID 36 Measuring and Analyzing the Factors Affecting User's Satisfaction with the PeduliLindungi Application

Johan Felix Alfarrel and Noerlina, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia

ID 43 Net Benefit on E-Invoice Implementation: Applying the Delone & McLean Information Systems Success Model

Atara Nathania Wagiman, Gisella Septi Aspasya and Levana Dhia Prawati, Accounting Departement, Faculty of Economics & Communication Bina Nusantara University, Jakarta, Indonesia

ID 488 Possibilities of online language learning

Momoko Takai, B.Ec., M. Ed, Lecturer Specialist Native, Japanese Literature Department, BINA NUSANTARA University (BINUS), Jakarta, Indonesia

ID 87 Bi-Objective Model for Multi-Warehouse Inventory for Fresh Produce with Transshipment

Regina Berretta, College of Engineering, Science and Environment, The University of Newcastle, NSW, Australia
 Parichehr Paam, Asset Lifecycle, Program Delivery, Sydney Water, NSW, Australia

ID 553 Design and Implementation of a Smart Transducer System Prototyping of a Micro-controller Based Intelligent Electrical Equipment Theft Detection Methodology

Malebo L. G Maboko, M. Sc (Eng) Student, School of Mechanical, Industrial and Aeronautical Engineering, University of the Witwatersrand (Wits) Johannesburg, South Africa
 Mncendisi Dewa, Ph.D., Senior Lecturer, School of Mechanical, Industrial and Aeronautical Engineering, University of the Witwatersrand (Wits) Johannesburg, South Africa

ID 341 A Lean implement Road-Map for the mining Sector: A case study of Open-Pit mines

Belinda Twite and Oludolapo Olanrewaju, Dept. of Industrial Engineering, Durban University of Technology, Durban, South Africa

ID 262 Application of Lean Six Sigma Methodology in Defect Reduction: A Case Study of Kalahari Ash Salt Bagging Plant

Phillip M. Baaisi, Robert O. K. Monageng, Kobamelo Mashaba, Venkata Kommula and Gandure Jerekias, Mechanical Engineering Department University of Botswana (UB), Gaborone, Botswana

2:00 – 3:45, WEDNESDAY**Engineering Education****Virtual Room 5**

Session Chair: Arafah, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

ID 400 Analyzing Impact of Technology-Facilitated Knowledge Creation on Student Satisfaction in Distance Learning Education

Mahaning Indrawaty Wijaya, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia
 Ali Gunawan, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia

ID 535 Competence, Soft Skill in Teacher Performance through Teacher Creativity

St. Aminah, Muhammad Yahya, Abdul Haris, Edwin Basmar and Heriyanti Mustafa, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Elpisah, STKIP Pembangunan Indonesia, Makassar, Indonesia
 Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia

ID 319 Developments in Battery Thermal Management System for Electric Vehicles: A Review

Piyush Vashist, M. E Design Student, Department of Mechanical Engineering, Birla Institute of Technology and Science, Rajasthan, India

ID 581 Effective Teaching of Mechanical Engineering Design: Application of Lean Manufacturing Concept

Mohammad Yeakub Ali, Professor, Mechanical Engineering Programme Area, Faculty of Engineering, Universiti Teknologi Brunei, Jalan Tungku Link, Gadong, Brunei Darussalam
 Abdul Md Mazid, Senior Lecturer, School of Engineering and Technology, Central Queensland University, Rockhampton, Australia

ID 53 Problems in Non-formal Education: Study of Equality Education Program in Semarang City

Imam Shofwan, Non-formal Education, Faculty of Education, Universitas Negeri Semarang, Indonesia
 Doctoral Educational Science, Sebelas Maret State University Surakarta, Indonesia
 Sunardi Sunardi, Abdul rahman and Gunarhadi Gunarhadi, Educational Science, Sebelas Maret State University Surakarta, Indonesia

ID 565 Learning Methods and Learning Environment on Students' Interest in Learning through Learning Quality

Arafah, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Ansar, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Milka Pasulu, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Sri Nurhayati, Institut Agama Islam Negeri Madura, Indonesia
 Misnawati Misnawati, Sekolah Tinggi Ilmu Hukum Pengayoman, Makassar, Indonesia
 Amar Sani, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
 Sri Rahmi, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

ID 582 Online Teaching and Learning during COVID-19 Pandemic: Learning Loss and Long-Term Damage

Mohammad Yeakub Ali, Mechanical Engineering Programme Area, Faculty of Engineering, Universiti Teknologi Brunei, Jalan Tungku Link, Gadong, Brunei Darussalam
 Abdul Md Mazid, School of Engineering and Technology, Central Queensland University, Rockhampton, Australia

December 21 (WEDNESDAY) - Session: 4:00 – 5:45 pm

4:00 – 5:45, WEDNESDAY

Panel

Onsite Room 1

Panel on Electrical Energy Storage Technology

Panel Chair:

Prof. Dr. Ir. Wahyudi Sutopo
 IPM Head of Industrial Relations and Commercialization
 Division for center of excellence for electrical energy storage technology (CoE-EEST),
 Universitas Sebelas Maret (UNS), Surakarta, Indonesia

Panel Speaker I

Renny Rochani, MT., PhD
 Lecturer and Reseacher of Industrial Engineering and Techno-Economics Research Group
 Industrial Engineering Dept.
 Universitas Sebelas Maret (UNS), Surakarta, Indonesia

4:00 – 5:45, WEDNESDAY

Industry Solutions II

Onsite Room 2

Session Chair: Md Amin

4:00 pm – 4:20 pm (Wednesday, December 21)

Md Amin
 Project Manager
 Engineering Technical Services
 Tritium
 Brisbane, Queensland, Australia

4:20 pm – 4:40 pm (Wednesday, December 21)

Adriano de Freitas
 Visiting PhD scholar at Laboratory for Simulation and Modelling of Particulate Systems (SIMPAS)
 Department of Chemical and Biological Engineering
 Monash University
 Melbourne, Australia

4:40 pm – 5:00 pm (Wednesday, December 21)

Dr. Ir. Eko Pujiyanto
 Associate Professor
 Head of Master of Industrial Engineering Program
 Sebelas Maret University, Surakarta Indonesia

5:00 pm – 5:20 pm (Wednesday, December 21)

ID 453 A Socio-Technical System for Rural Community Engagement: the Gwakwani Project
 Suné von Solms, Department of Electrical Engineering, University of Johannesburg, Johannesburg, South Africa
 Hannelie Nel, Worley Middle East, United Arab Emirates
 Postgraduate School of Engineering Management, University of Johannesburg, Johannesburg, South Africa

5:20 pm – 5:40 pm (Wednesday, December 21)

4:00 – 5:45, WEDNESDAY

Project Management

Virtual Room 3

Session Chair: Tirth Zaveri, Department of Mechanical Engineering, School of Technology, Pandit Deendayal Energy University, India

ID 313 Analysis of Supporting Factors for the Successful Performance of Project Management Office (PMO) at Telkom Corporate University Center

Maria Fiata Hestiyrosari, Undergraduate Program of Industrial Engineering Study Program, Faculty of Engineering, Sebelas Maret University
 Surakarta, Indonesia
 Retno Wulan Damayanti, Industrial Engineering Study Program, Faculty of Engineering, Center of Technology Development and Industrial
 Collaboration, Institute for Research and Community Service, Sebelas Maret University
 Rahmaniyah Dwi Astuti, Industrial Engineering Study Program, Faculty of Engineering, Sebelas Maret University
 Eko Pujiyanto, Industrial Engineering Study Program, Faculty of Engineering, Sebelas Maret University

ID 548 Challenges in the Implementation of Critical Path Method - A Review

Rushikesh Bhatt, Rushaang Thakker, Om Sukhadia, Samay Kunadia, Abhishek Kumar and M B Kiran, Department of Mechanical Engineering, School of Technology, Pandit Deendayal Energy University, Gandhinagar, Gujarat, India

ID 549 Challenges in Project Initiation

Tirth Zaveri, Mahatma Patel, Vandan Shah, Nainil Patel, Smit Shastri and Dr. M. B. Kiran, Department of Mechanical Engineering, School of Technology, Pandit Deendayal Energy University, India

ID 240 Designing Project Risk Contingency using Tornado Diagram

Luthfia Salma Gumbira, School of Industrial and Systems Engineering, Faculty of Industrial Engineering, Telkom University, Bandung, Indonesia
 Devi Pratami, School of Industrial and Systems Engineering, Faculty of Industrial Engineering, Telkom University, Bandung, Indonesia
 GN. Sandhy Widayasthana, School of Industrial and Systems Engineering, Faculty of Industrial Engineering, Telkom University, Bandung, Indonesia

ID 302 Importance of Artificial Intelligence in Technology Project Management

Genevieve Bakam Fotso, Anup Pradhan and Nita Sukdeo, Department of Quality and Operations Management, Faculty of Engineering and the Built Environment, University of Johannesburg, Johannesburg, South Africa

ID 317 Perceived Usefulness, Perceived Risk and Trust towards Intention to Use Induction Stove: A Case Study on Pilot Project of Induction Stove Conversion Program in Surakarta

Amanda Syifa Ariqoh, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia
 Pringgo Widyo Laksono, Industrial Engineering Department, Faculty of Engineering, Engineering Profession Program, Faculty of Engineering Center for Research in Manufacturing System
 Center of Technology Development and Industrial Collaboration, Institute for Research and Community Service of Universitas Sebelas Maret Surakarta, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia
 Retno Wulan Damayanti, Industrial Engineering Department, Faculty of Engineering, Center for Research in Manufacturing System
 Center of Technology Development and Industrial Collaboration, Institute for Research and Community Service of Universitas Sebelas Maret Surakarta, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

ID 416 Innovation Management in Functional Food Products for the Prevention of Stunting as a Dissemination of Research in LIPI

Mia Rahma Romadona, Rendi Febrianda, Anggini Dinaseviani and Andi Budiansyah, Researchers, National Research and Innovation Agency Republic of Indonesia, Jalan Gatot Subroto kav.10 South Jakarta, Indonesia

4:00 – 5:45, WEDNESDAY**Quality Control****Virtual Room 4**

Session Chair: Gusti Fauza, Universitas Sebelas Maret, Surakarta, Indonesia

ID 109 Benefits and barriers to Total Quality Management (TQM): A review in South African Industries

Webster Mthulisi Mncube, Eric Mikobi Bakama and Khathutshelo Mushavhanamadi, Department of Quality and Operations, University of Johannesburg, Johannesburg, South Africa

ID 23 Developing Model of Technological Base Interoperability for Collaborating Multivariate-attribute Quality Control in Digital Supply Chain: A Preliminary Study

Fakhrina Fahma, Department of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret, Surakarta 57126, Indonesia
 Wahyudi Sutopo, Centre of Excellence for Electrical Energy Storage Technology, Universitas Sebelas Maret, Surakarta 57126, Indonesia
 Research Group Industrial Engineering and Techno-Economic, Department of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret, Surakarta 57126, Indonesia
 Eko Pujiyanto, Department of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret, Surakarta 57126, Indonesia
 Muhammad Nizam, Coordinator of National Research Priority for Product: Energy Storage (Lithium) and Charging Station
 Secretary of Centre of Excellence for Electrical Energy Storage Technology, UNS
 Head of Engineering Academic Senate, UNS
 Head of Electric Vehicle Technology and Sustainable Energy Systems Research Group, Department of Electrical Engineering, Faculty of Engineering, Universitas Sebelas Maret, Surakarta 57126, Indonesia

ID 288 Patient's Perceptions of Hospital Polyclinic's Healthcare Quality in Indonesia: A Case Study

Muhammad Raihan Syaifudin, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia
 Retno Wulan Damayanti, Industrial Engineering Study Program, Faculty of Engineering
 Center of Technology Development and Industrial Collaboration, Institute for Research and Community Service, Universitas Sebelas Maret Surakarta, Indonesia
 Fakhrina Fahma, Industrial Engineering Study Program, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
 Novianto Adi Nugroho, Medical Study Program, Faculty of Medicine, Universitas Sebelas Maret, Surakarta, Indonesia

ID 603 Quality Testing of Shuttlecock SME Products to Improve SNI Certification in Indonesia

Andrian Listyo Kawuri, Master Program of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
 Eko Iquidnanu, Department of Industrial Engineering, Sebelas Maret University, Surakarta, 57126, Indonesia
 Muhammad Hisjam, Department of Industrial Engineering, Sebelas Maret University, Surakarta, 57126, Indonesia
 Bambang Suhardi, Department of Industrial Engineering, Sebelas Maret University, Surakarta, 57126, Indonesia

ID 116 The Roles of Employee and Management in The Application of Quality Management System (Qms) In South African Manufacturing Industry

Uwadia Uche Festus, E. I Edoun, Anup Pradhan and C.Mbohwa, University of Johannesburg, South Africa

ID 507 Investigating the customer satisfaction on food quality, service and environment facility of restaurant X using food hygiene perspectives

Gusti Fauza, Aulia Rahma Karunia, M. Zukhrufus Zaman, Asri Nursiwi and Setyaningrum Ariviani, Department of food science and technology Faculty of Agriculture, Universitas Sebelas Maret, Surakarta, Indonesia
 Dwiningtyas Padmaningrum, Department of Agricultural Extension and Communication, Faculty of Agriculture Universitas Sebelas Maret, Surakarta, Indonesia
 Hari Prasetyo, Department of Industrial Engineering, Faculty of Engineering, Universitas Muhammadiyah Surakarta, Surakarta, Indonesia

ID 129 Exploring Factors Delaying Public Service Delivery in South African Local Government

Tumelo Thabang, Bheki Makhanya and Hannelie Nel, Postgraduate School of Engineering Management, Faculty of Engineering and the Build Environment, University of Johannesburg, PO BOX 524, Auckland Park 2006, South Africa

4:00 – 5:45, WEDNESDAY

IT and Simulation

Virtual Room 5

Session Chair: Arjun Hasibuan, Universitas Padjadjaran

ID 37 Design Thinking for Sustainable Mascot Character Design

Ahmad Faisal Choiril Anam Fathoni, Animation Program, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia

ID 44 An Empirical Research on The Success of E-filing Tax Online Reporting During COVID-19 Pandemic in Indonesia

Adhitiya Pranoto, David, and Levana Dhia Prawati, Accounting Department, Faculty of Economics & Communication, Bina Nusantara University Jakarta, Indonesia

ID 108 Building a Readiness Model of Environmentally Friendly Information Technology as Implementation of Green Information Technology Concept

Wahyu Sardjono, Information Systems Management Department, BINUS Graduate Program – Master of Information Systems Management, Bina Nusantara University, Jakarta, Indonesia

Achmad Cholidin, Law Study Program, Faculty of Law, University of Muhammadiyah, Jakarta, Indonesia

Johan, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia

ID 420 Ensemble Classifier with Missing Data in Control Chart Patterns

Waseem Alwan, Nor Hasrul Akhmal Ngadiman and Adnan Hassan, Department of Materials, Manufacturing and Industrial Engineering, Faculty of Mechanical Engineering, Universiti Teknologi Malaysia, 81310 UTM Skudai, Johor Bahru, Malaysia

Ibrahim Masood, Faculty of Mechanical and Manufacturing Engineering, Universiti Tun Hussein Onn Malaysia, Parit Raja, Batu Pahat, Johor, Malaysia

ID 289 A Review on Usage of Fractals for The Quantification of Nonlinear Turbulence Features in Bearings

R. Narasimha Rao, Professor, Department of Mechanical Engineering, National Institute of Technology Warangal, Warangal, India

Ch. Sri Chaitanya, Department of Mechanical Engineering, V. R. Siddhartha Engineering College, Vijayawada, India

ID 22 Model for Optimizing Production Quantity in Fast-Moving Consumer Goods Industry

Oladeji Oluniyi Olanrele, and Oluseyi Afolabi Adeyemi, First Technical University, Ibadan, Oyo State, Nigeria

University of Hertfordshire, United Kingdom

ID 56 Towards developing real-life models: A simulation modelling of an ideal vehicle assembly line using Arena Simulation

Tsosang Daniel Khitleli, Department of Industrial Engineering, Operations Management and Mechanical Engineering, Vaal University of Technology, Vanderbijlpark, South Africa

Gbeminiyi John Oyewole, Department of Industrial Engineering, Operations Management and Mechanical Engineering, Vaal University of Technology, Vanderbijlpark, South Africa

ID 377 Bibliometric Analysis on Mathematical Modeling Research of Dengue Disease Control with Wolbachia

Arjun Hasibuan, Asep Kuswandi Supriatna and Ema Carnia, Department of Mathematics, Faculty of Mathematics and Natural Sciences, Universitas Padjadjaran, Jl. Raya Bandung-Sumedang KM 21, Jatinangor, Sumedang, West Java Province, 45363, Indonesia

December 22 (THURSDAY)

December 22 (THURSDAY) - Session: 8:00 – 9:45 am

8:00 – 9:45 am, THURSDAY

Technical Presentation Onsite VII

Onsite Room 1

Session Chair: Dr Sumana Biswas, Associate Fellow, Higher Education Academy (AFHEA), Capability Systems Centre School of Engineering and Information Technology, University of New South Wales, Canberra

ID 350 Effect of Deploying Routing and Facility Location Methods on Power Transmission to Increase the Reliability of the Power Network and Minimize the Total Logistics Cost

Dr. Abdullah M. Alharbi, Assistant Professor, University of Jeddah, College of Engineering, Department of Industrial and Systems Engineering, Jeddah, Saudi Arabia

ID 686 Application of Sacrificial Anode Cathodic Protection of an underground natural gas pipeline using COMSOL Multiphysics

Ernest Akimoula and Ora Renagi, Department of Applied Physics, Papua New Guinea University of Technology, PNG

Aezeden Mohamed, Department of Mechanical Engineering, Papua New Guinea University of Technology, PNG

ID 687 Water Lifting Technology Using Renewable Energy for Rural Development

Grace Mageo, MaryJo Lipu and Serah Pirmin, Department of Mechanical Engineering, Papua New Guinea University of Technology, Lae, Papua New Guinea University
Ora Renagi, Department of Applied Physics, Papua New Guinea University of Technology, Lae, Papua New Guinea University
Aezeden Mohamed, Department of Mechanical Engineering, Papua New Guinea University of Technology, Lae, Papua New Guinea University

8:00 – 9:45 am, THURSDAY**Technical Presentation Onsite VIII****Onsite Room 2**

Session Chair: Dr Reza Kiani Mavi, Senior Lecturer, the School of Business and Law, Edith Cowan University, WA 6027, Australia

ID 368 Workers Clustering Based on Their Feeling toward Downward Social Comparison

Yanwen Dong, Cluster of Science and Technology, Fukushima University, Fukushima City, Japan
Qin Zhu, Professor, School of Public Policy and Administration, Nanchang University, Nanchang, China

ID 134 Emotional Intelligence and SMEs' performance in the Accra Metropolis, Ghana

Regina Appiah Gyimah, Department of Marketing, Accra Technical University, Accra, Ghana

ID 111 Project management-related delays and mitigations to power generation planned turbine maintenance outages

Nhlakanipho Blose, Annlizé L. Marnewick and Jan Harm C. Pretorius, Postgraduate School of Engineering Management, Faculty of Engineering and the Build Environment, University of Johannesburg, PO BOX 524, Auckland Park 2006, South Africa

ID 124 Improving Buildings' Energy Efficiency Through Smart Technologies: Case Study of South African University Residences

Siyabonga Mamba, Patrick S. Pouabe Eboule and Jan Harm C. Pretorius, Postgraduate School of Engineering Management, Faculty of Engineering and the Build Environment, University of Johannesburg, Auckland Park 2006, South Africa

ID 395 Identifying Success Factors for Effective Capital Structure in Infrastructure Projects under Public-Private Partnership

Muhammad Fauzan, Heri Kuswanto and Christiono Utomo, Interdisciplinary School of Management Technology, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia

December 22 (THURSDAY) - Session: 10:00 am – 1:00 pm

Keynote Speakers – Onsite Room 1

Keynote IX: Thursday, December 22, 2022, 10:20 – 11:00 am

Prof. Dr Mohammed Abdur Razzaque
School of Business
University of New South Wales (UNSW)
Sydney, Australia

Keynote X: Thursday, December 22, 2022, 11:00 – 11:40 am

Prof. Dr. Mukhamad Najib
Education Attaché, Indonesian Embassy in Canberra
Vice Chair, IPB SDGs Network
IPB University Risk Monitoring committee
PT BRI Syariah
Vice Dean, Faculty of Economics and Management
IPB University

Keynote XI: Tuesday, December 22, 2022, 11:40 am – 12:20 pm

Professor Dr. Abdul Talib Bon
Department of Production and Operations Management
Universiti Tun Hussein Onn Malaysia (UTHM)

Malaysia

Keynote XI: Thursday, December 22, 2022, 12:20 – 1:00 pm

Prof. Sherif Mohamed
Dean, School of Surveying and Built Environment
University of Southern Queensland, Australia

1:00 – 2:00 pm – Lunch Break**December 22 (THURSDAY) - Session: 2:00 – 3:45 pm****2:00 – 3:45, THURSDAY****Technical Presentation Onsite IX****Onsite Room 1**

Session Chair: Khan Mohammad Elyas, Planning Officer- Rule of Law Programme, GIZ Bangladesh, Dhaka, Bangladesh

ID 656 Energy Efficiency in Pneumatic Conveying of Solids by Feeder Device

Adriano Gomes de Freitas and Luis Alberto Martinez Riascos, Postgraduate Program in Energy, Federal University of ABC (UFABC), Santo André, São Paulo, Brazil

Jose Eduardo Munive-Hernandez, Faculty of Engineering and Informatics, University of Bradford, West Yorkshire, United Kingdom

Ruiping Zou, Lab for Simulation and Modelling of Particulate Systems (SIMPAS), Monash University, Clayton, Australia

ID 81 Improving the Quality of Brake Lining Production of Non-Asbestos 2 (NA2) Type Using Six Sigma Method

Mohammad Agung Saryatmo; Helena Juliana Kristina and Sandy Yehzekiel Irwandi, Department of Industrial Engineering, Universitas Tarumanagara, Jakarta, Indonesia

ID 642 Relocation activities for the development of competitiveness and employment situations

Janne Heilala, Dissertation Researcher, Mechanical Engineering, Department of Mechanical Engineering, University of Turku, Faculty of Technology, Turku, Joukahaisenkatu 3-5, 20520, Finland

Jussi Kantola, Professor, Mechanical Engineering, Department of Mechanical Engineering, University of Turku, Faculty of Technology, Turku, Joukahaisenkatu 3-5, 20520, Finland

Antti Salminen, Professor, Mechanical Engineering, Department of Mechanical Engineering, University of Turku, Faculty of Technology, Turku, Joukahaisenkatu 3-5, 20520, Finland

Wallace Bessa, Associate Professor, Smart Systems, Department of Mechanical Engineering, University of Turku, Faculty of Technology, Turku, Joukahaisenkatu 3-5, 20520, Finland

ID 661 Urban Development: A Case study of Dhaka

Khan Mohammad Elyas, Planning Officer- Rule of Law Programme, GIZ Bangladesh, Dhaka, Bangladesh

ID 685 Mitigate Corrosion through Cathodic Protection of Steel Structures of Puma Energy in PNG

Noel Martin, Department of Civil Engineering, Papua New Guinea University of Technology, PNG

Ora Renagi, Department of Applied Physics, Papua New Guinea University of Technology, PNG

Aezeden Mohamed, Department of Mechanical Engineering, Papua New Guinea University of Technology, PNG

2:00 – 3:45, THURSDAY**Global Supply Chain and Logistics I****Onsite Room 2**

Session Chair: Prof. Dr Aries Susanty ST MT.

2:00 pm – 2:20 pm (Thursday, December 22)

Prof. Dr Aries Susanty ST MT.

Head of Optimization and Industrial Planning System Laboratory

Industrial Engineering Department,

Diponegoro University Central Java, Indonesia

2:20 pm – 2:40 pm (Thursday, December 22)

John Madgen, MBA

General Manager

Americold Logistics, Australia

Baldivis, Western Australia, Australia

2:40 pm – 3:00 pm (Thursday, December 22)

Ferry Jie, PhD, FCES, FCILT

Associate Professor of Supply Chain and Logistics Management, ECU, School of Business and Law, Edith Cowan University, Western Australia, Australia

3:00 pm – 3:20 pm (Thursday, December 22)

Ashini Soysa
Import and Export Coordinator
General Mills, Victoria, Australia

3:20 pm – 3:40 pm (Thursday, December 22)

2:00 – 3:45, THURSDAY

Technology Management

Virtual Room 3

Session Chair: Norizan Anwar, Universiti Teknologi Mara (UiTM), Puncak Perdana Campus, 40150 Shah Alam, Selangor, Malaysia

ID 24 A Framework for Integrating the Product-Consumer Adoption Model of Electric Motorcycle: Preliminary Research

Yuniaristanto, Wahyudi Sutopo and Muhammad Hisjam, Department of Industrial Engineering, Universitas Sebelas Maret (UNS), Ir. Sutami St. Surakarta, Indonesia

Hendro Wicaksono, Mathematics and Logistics, Jacobs University Bremen gGmbH, Campus Ring 1 28759 Bremen, Germany

ID 252 Adoption of Mobile Banking Application in Selected Commercial Banks: A Developed Model for Customers Satisfaction

Alexander V. Gutierrez, Assistant Professor IV, College of Business and Accountancy, Our Lady of Fatima University, Antipolo, Philippines

ID 52 Determinant of Sustainable Firm Performance: A Literature Review of Technology Intensity Industries Comparison

Muhammad Rais and Noerlina, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia
Kartika Dewi, Finance Program, Accounting Department, Faculty of Economics and Communication, Bina Nusantara University, Jakarta, Indonesia
Tirta Nugraha Mursitama, International Relations Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 118 Evaluation the Use of Online Loan Applications to Implement Financial Inclusion in Society

Yohannes Kurniawan, Robbi Ihsad Arrimagama and Johan, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia

Yulyani Arifin, Computer Science Department, School of Computer Science, Bina Nusantara University, Jakarta, Indonesia

Norizan Anwar, Faculty of Information Management, Universiti Teknologi Mara (UiTM), Puncak Perdana Campus, 40150 Shah Alam, Selangor, Malaysia

ID 41 The Effect of Technology Readiness, Digital Competence, Perceived Usefulness, and Ease of Use on Accounting Students Artificial Intelligence Technology Adoption

Miftah Rizqullah Sudaryanto, Muhammad Aditya Hendrawan and Tommy Andrian, Accounting Department, Faculty of Economics & Communication, Bina Nusantara University, Jakarta, 11480, Indonesia

ID 522 Smart Cities as a Vehicle to Addressing Sustainable Development Goals: A Case Study of South Africa

Lawrance Seseni, Department of Business Management, School of Management, College of Business Management, University of Johannesburg Auckland Park, Johannesburg, South Africa

Sebonkile Cynthia Thaba, Department of Transport and Supply Chain Management, School of Management, College of Business Management University of Johannesburg, Auckland Park, Johannesburg, South Africa

Charles Mbohwa, Department of Quality and Operations Management, Faculty of Engineering and Built Environment, University of Johannesburg Auckland Park, Johannesburg, South Africa

ID 633 The Ecosystem and the Business Model Canvas of Mobile Battery Swap Charging Station for electric motorcycle

Renny Rochani, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

Wahyudi Sutopo, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

2:00 – 3:45, THURSDAY

Manufacturing

Virtual Room 4

Session Chair: Dr. P. R. Attar, Professor, Department of Production Engineering, Veermata Jijabai Technological Institute, Matunga, Mumbai

ID 385 Defects observed in Injection molding of RoHS compliant Polycarbonate

Saurabh Dudhe, Student, Department of Production Engineering, Veermata Jijabai Technological Institute, Matunga, Mumbai, India

Dr. P. R. Attar, Professor, Department of Production Engineering, Veermata Jijabai Technological Institute, Matunga, Mumbai, India

ID 585 Interactive Optimisation of Machining Parameters of Ti-alloy using Design Expert

Abdul Md Mazid and Mayank H Patel, School of Engineering and Technology, Central Queensland University, Rockhampton, Australia

Mohammad Yeakub Ali, Mechanical Engineering Programme Area, Faculty of Engineering, Universiti Teknologi Brunei, Jalan Tungku Link, Gadong, Brunei Darussalam

ID 251 Maintenance Management within Construction Companies Case Study of ACOSCO Ltd.

Khanfri Nor El Houa, Ouazraoui Nouara, Touahar Hafed, Si Mohammed Antar, Bensaci Walid, Dahmane Hassen, Rahmani Ghania and Amara Kahina, LRPI Laboratory, Health and Occupational Safety Institute, University of Batna-2, Batna, Algeria

ACOSCO Ltd Company, Industrial Zone BP 171 -In Amenas district- Province of Illizi 33200, Algeria

ID 77 Implementation of Advanced Technologies: A Meta-synthesis of the Manufacturing Industry

Save Akilimalisiga, Department of Quality and Operations Management, University of Johannesburg, Johannesburg, South Africa

Nita Sukdeo, Department of Quality and Operations Management, University of Johannesburg, Johannesburg, South Africa

Sambil Mukwakungu, Department of Quality and Operations Management, University of Johannesburg, Johannesburg, South Africa

ID 497 The Improvement of Product and Process Design of Sanitary Pads

Judith Nkuna, Department of Quality and Operations Management, Department of Engineering Management, University of Johannesburg,

South Africa

ID 338 Can Hexaco-100 Personality Inventory Predict Newsvendor Behavior?
Ümmühan Akbay, Department of Management, Işık University, Istanbul 34980, Turkey

2:00 – 3:45, THURSDAY

HF + Healthcare

Virtual Room 5

Session Chair: Dr. P. R. Attar, Assistant Professor, Veermata Jijabai Technological Institute, Mumbai, India

ID 512 Sterilizer Box Design for Online Store Courier Services

Dyah Santhi Dewi, Pinkan Magarena Juanda, Rahmat Hidayatullah, Adhitya Galuh Damayanti and Reyhan Ar-Rizquanata, Industrial and Systems Engineering Department, Faculty of Industrial Technology and Systems Engineering, Sepuluh Nopember Institute of Technology, Surabaya, Indonesia

ID 33 The Quality of Work Life Development at PT Telekomunikasi Selular: An Evaluation

Soraya Agustina Situmorang, Management Department, BINUS Business Scholl Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 493 Use of Assistive Walking for Elderly from Viewpoint of Bibliometric Trend Analysis and Systematic Studies Study

Taufiq Rochman, Susy Susmartini, Pringgo Widyo Laksono and Lobes Herdiman, Department of Industrial Engineering, Sebelas Maret University Surakarta, Central Java, Indonesia

ID 520 Optimize the Risk of New Healthcare Product Development Using Delphi Technique

Mr. Aniket Shelke, Student M. Tech. Project Management, Veermata Jijabai Technological Institute, Mumbai, India
Dr. P. R. Attar, Assistant Professor, Veermata Jijabai Technological Institute, Mumbai, India

ID 500 An integrated Safety, Health, Environment and Quality Management System for a multi-business packaging organisation in South Africa

Judith Nkuna, University of Johannesburg, South Africa

ID 381 Design of Preventive Healthcare Services: A Brief Review

Mumtaz Karatas and Levent Eriskin, Department of Industrial Engineering, National Defence University, Turkish Naval Academy, Istanbul, Turkey

December 22 (THURSDAY) - Session: 4:00 – 5:45 pm

4:00 – 5:45, THURSDAY

Onsite Room 1

Panel on Women in Industry and Academia (WIIA)

Panel Chair

Prof. Mervat El-Hoz
Founder and CEO
Environmental Engineering Consulting
Sydney, New South Wales, Australia

Panel Speaker I

Dr Spring Zhou
Faculty of Business and Law
School of Business
University of Wollongong

Panel Speaker II

Dr. Sumana Biswas
Associate Fellow
Higher Education Academy (AFHEA)
Capability Systems Centre School of Engineering and Information Technology
University of New South Wales, Canberra

Panel Speaker III

Professor Hannelie Nel
Regional Assurance Manager, Worley OUINA (Oman, UAE, Iraq and North Africa),
Associate Professor of Practice
University of Johannesburg, South Africa

4:00 – 5:45, THURSDAY**Global Supply Chain and Logistics II****Onsite Room 2**

Session Chair: Michael Huang, Chief Operating Officer, Natural Solar, Sydney, Australia

4:00 pm – 4:20 pm (Thursday, December 22)

Dr. Ir. Muhammad Hisjam, STP, MT
Head of Logistics and Business System Laboratory
Universitas Sebelas Maret, Surakarta, Indonesia

4:20 pm – 4:40 pm (Thursday, December 22)

Dr Reza Kiani Mavi, Senior Lecturer, Supply Chain and Project Management
School of Business and Law,
Edith Cowan University, WA 6027, Australia

4:40 pm – 5:00 pm (Thursday, December 22)

Michael Huang
Chief Operating Officer
Natural Solar
Sydney, Australia

5:00 pm – 5:20 pm (Thursday, December 22)

5:20 pm – 5:40 pm (Thursday, December 22)

4:00 – 5:45, THURSDAY**Energy****Virtual Room 3**

Session Chair: Stavros Gennitsaris, Department of Industrial Management & Technology, University of Piraeus, Piraeus, Greece

ID 103 A Study in Government Procurement System: Public-Private Partnership for Infrastructure in Energy Sector

Raynaldi P. Aulia and Evi Steelyana W, Accounting Department, School of Accounting, Bina Nusantara University, Jakarta, Indonesia

ID 50 Cyclic Voltammetry and Characterization Studies of Electrodeposited Copper-Indium for Thin-Film Solar Cell Application

Leher Farooq and Al-Hasna Ghazi, Department of Chemical & Petroleum Engineering, United Arab Emirates University, United Arab Emirates

ID 422 Analyzing Challenges to Utilizing Renewable Energy in the Context of Developing Countries: Policymaking Implications for Achieving Sustainable Development Goals

Md. Tanvir Siraj, Department of Industrial and Production Engineering, Bangladesh University of Engineering and Technology, Dhaka, Bangladesh
Mohammad Tanvir Hossain, Chief Executive Officer, Reactron Bangladesh Private Limited, Dhaka, Bangladesh
S.M. Faysal Ahmed and Spandan Basak Payel, Department of Mechanical Engineering, Bangladesh University of Engineering and Technology, Dhaka, Bangladesh

ID 375 Energy and Exergy Analysis of A Solar Dish-Stirling Engine Driven A Desalination System

Renewable Energy Md Emon Hossain UNIVERSITY TECHNOLOGY MALAYSIA, Malaysia

ID 509 Exploring the Dynamic Nexus among Public-Private Partnerships, Environmental Kuznet's Curve, and Environmental Degradation: Evidence from Asia

Sakshi Malik, Assistant Professor, Jindal Global Business School, O.P. Jindal Global University, India

ID 477 Induction Stove Implementation for Sustainable Clean Energy Consumption: A Literature Study

Dania Latifa Rizky, Magister Student in Industrial Engineering Study Program, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Indonesia
Retno Wulan Damayanti, Associate Professor in Industrial Engineering Study Program, Head of Technology Development and Industrial Collaboration Center, Institute for Research and Community Service, Sebelas Maret University Surakarta, Indonesia
Pringgo Widyo Laksono, Associate Professor in Industrial Engineering Study Program, Faculty of Engineering Universitas Sebelas Maret Surakarta, Indonesia

ID 136 Sustainable Development Goals as a Guide for Sustainability Evaluation of Wind Turbine Decommissioning Scenarios Applying an Integrated LCA and DEA Approach

Stavros Gennitsaris, M.Sc. and Stella Sofianopoulou, Professor, Department of Industrial Management & Technology, University of Piraeus, Piraeus, Greece

4:00 – 5:45, THURSDAY**Operations Management****Virtual Room 4**

Session Chair: Judith Nkuna, Department of Quality and Operations Management, University of Johannesburg, South Africa

ID 239 A conceptual framework for successful implementation of an organizational digital transformation

Jurgens Frerk, Faculty Engineering and the Built Environment, University of Johannesburg, P.O. Box 524, Auckland Park, 2006, South Africa
Corner Kingsway and University Road, Auckland Park, South Africa
Nelson Sizwe Madonsela, Faculty Engineering and the Built Environment, University of Johannesburg, P.O. Box 524, Auckland Park, South Africa

Corner Kingsway and University Road, Auckland Park, South Africa

ID 30 Assessing the Empowerment Program at a South African University

Sambil Charles Mukwakungu, Sandy Ndlovu and Nita Sukdeo, Department of Quality and Operations Management, University of Johannesburg Johannesburg, South Africa

ID 32 Benefits of Implementing Quality Management Systems in Exploration Drilling Operations - Global Perspectives

Sambil Charles Mukwakungu, Refilwe Dipholo and Nita Sukdeo, Department of Quality and Operations Management, University of Johannesburg Johannesburg, South Africa

ID 349 Critical Success Factors Addressing Covid-19 Pandemic: Case of Tawakkalna Application in Saudi Arabia

Dr. Murad Andejany, Associate Professor, College of Engineering, Department of Industrial and Systems Engineering, University of Jeddah Jeddah, Saudi Arabia

Iba Sounni, Abdulqader Akbar and Faisal Alsubaie, College of Engineering, Department of Industrial and Systems Engineering University of Jeddah, Jeddah, Saudi Arabia

ID 328 Home Health Care Operations Management: A review

Nada Mounib, Lina Aboueljinane and Maria Lebbar, ROSDM Research Team, LMAID - Laboratory of Applied Mathematics and Business Intelligence, ENSMR, Rabat, Morocco

Fouad Riane, Complex Systems and Interactions, Ecole Centrale Casablanca, Bouskoura Ville Verte, 27182, Casablanca, Morocco

ID 494 Informed Decision Making on Prediction of Spare Parts Requirements Based-on Machine Learning

Abdul Rahman Rizki Wijaya, Department of Industrial Engineering, Universitas Islam Indonesia, Jl. Kaliurang km 14.4, Sleman, Yogyakarta, Indonesia

Winda Nur Cahyo, Department of Industrial Engineering, Universitas Islam Indonesia, Jl. Kaliurang km 14.4, Sleman, Yogyakarta, Indonesia

ID 501 Operations Strategies on production and operations management

Judith Nkuna, Department of Quality and Operations Management, University of Johannesburg, South Africa

ID 407 A Practical Approach for On-Demand Ride-Matching with Order Cancellation

Dongling Rong and Xinyu Sun, School of Management, Xi'an Jiaotong University, Shaanxi 710049, China

ID 117 Review of Management and Leadership Role within Organization

Ipfu Nemudzivhadi, Lecturer, School of Mechanical Engineering, University Johannesburg, Doornfontein Campus, Johannesburg, South Africa

4:00 – 5:45, THURSDAY

Occupational Safety and Health (OSH)

Virtual Room 5

Session Chair: Mr. Thabiso Mokoena, University of Johannesburg, Doornfontein, Johannesburg

ID 160 The Influence of Motivation and Competence on Health Care Quality and its Impact on Patient Satisfaction in Hospital Emergency Room (IGD) in Majene Regency

Tasniah, Mattalatta Mattalatta and Purnomo Purnomo, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Feby Triadi, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia

Andries Lionardo, University of Sriwijaya, Palembang, Indonesia

Muhamad Chairul Basrun Umanailo, Universitas Iqra Buru

Chairun Nasirin, College of Health Sciences (STIKES), Mataram, Indonesia

ID 29 The Influence of Sound Exposure Onset and Duration to the Hearing Loss Prevalence in Musicians

Asti Widuri, Doctoral Program in Faculty of Medicine, Public Health and Nursing, Universitas Gadjah Mada (UGM), Yogyakarta, Indonesia

Otorhinolaryngology Department Faculty of Medicine and Health Science, Universitas Muhammadiyah Yogyakarta (UMY), Yogyakarta, Indonesia

Garry Gartiwa, Medical Student, Faculty of Medicine and Health Science, Universitas Muhammadiyah Yogyakarta (UMY), Yogyakarta, Indonesia

Eko Pujiyanto, Department of Industrial Engineering, Universitas Sebelas Maret Surakarta (UNS), Surakarta, Indonesia

ID 164 The Role of Parents' Knowledge, the Environment on Student Behavior and Its Impact on Dental and Oral Health in the Work Area of the Public Health Center in Central Mamuju

Ni Putu Hendria Dewi, Hasmin Tamsah and Darti Darti, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Muhammad Ybnu, Universitas Tomakaka, Mamuju, Indonesia

Yasnani, Department of Public Health, Halu Oleo University, Indonesia

Andries Lionardo, University of Sriwijaya, Palembang, Indonesia

Muhamad Chairul Basrun Umanailo, Universitas Iqra Buru, Indonesia

ID 451 Time Series Forecast of the Annual Number of Industrial Accidents

Mourad Chebila, LRPI - Institute of Health and Safety, University of Batna 2, 05078, Batna, Algeria

ID 421 Investigating the Role of Quality and Continuous Improvement in Shaping Agile Service Organisations

Mr. Thabiso Mokoena, Lecturer, Department of Quality and Operations Management, Faculty of Engineering and the Built Environment, University of Johannesburg, Doornfontein, Johannesburg

ID 206 Satisfaction Level Analysis of Bukalapak's Website & Application Users Using SERVQUAL and IPA

Melissa and Fransisca Dini Ariyanti, Industrial Engineering Department, Faculty of Engineering, Bina Nusantara University, Jakarta, Indonesia

ID 310 Service Quality Analysis of Fuel Petrol Station in Indonesia Using SERVQUAL Integrated AHP-WASPAS
Rizki Hashi Wiyantirta and Dendi P. Ishak, Industrial Engineering Department, Universitas Indonesia, Jakarta, Indonesia

December 22 (THURSDAY) - Session: 8:00 – 10:00 pm

Conference Dinner - Awards Ceremony

Onsite Room 1

International Journal of Industrial Engineering and Operations Management



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IEOM Student Chapters around World

Algeria	70. Ramaiah University of Applied Sciences	136. Information Technology University of the Punjab, Lahore
1. Adrar University	71. Nawab Shah Alam Khan College of Engineering and Technology (NSAKCET), Hyderabad, India	Papua New Guinea
Australia	72. Global Institute Of Engineering and Technology, Hyderabad	137. Papua New Guinea University of Technology
2. Queensland University of Tech., Brisbane	73. VNR Vignana Jyothi Institute of Engineering and Technology	Paraguay
3. UNSW-Canberra	74. Siddhartha Institute of Engineering & Technology	138. National University of Asuncion
Bahrain	75. Osmania University – The University College of Engineering	139. Universidad del Cono Sur de las Américas
4. University of Bahrain	76. VJTI Mumbai – Veermata Jijabai Technological Institute	Peru
Bangladesh	77. BML Munjal University, Gurugram, India	140. National Univ of San Antonio Abad, Cusco
5. Ahsanullah University of Sci & Tech (AUST)	78. AKTU University, Kanpur, India	141. Universidad de Lima (ULima)
6. Bangladesh Institute of Management (BIM)	Indonesia	142. Universidad Peruana de Ciencias Aplicadas (UPC)
7. Bangladesh University of Textiles (BUTEX)	79. Atma Jaya Catholic University	143. Universidad Ricardo Palma (URP)
8. BUET	80. Bina Nusantara University (Binus), Indonesia	144. Pontificia Universidad Católica del Perú (PUCP)
9. CUET	81. Institut Teknologi Bandung	145. Universidad Privada del Norte (UPN)
10. Daffodil International University (DIU)	82. Institut Teknologi Sepuluh Nopember (ITS)	146. Universidad Continental (UContinental)
11. DUET, Gazipur	83. Sampoerna University, Jakarta	147. Universidad de Ingeniería y Tecnología (UTEC)
12. European University of Bangladesh	84. Shipbuilding Institute of Polytechnic Surabaya	148. Universidad Nacional de Ingeniería (UNI)
13. International Islamic University of Chittagong	85. Tarumanagara University	149. University of San Martin de Porres (USMP)
14. Islamic University of Technology (IUT)	86. UIN Sultan Syarif Kasim, Riau	Philippines
15. IUBAT	87. Universitas Diponegoro (Undip)	150. Bulacan State University, Malolos City, Bulacan
16. Jessore University of Science and Technology	88. Universitas Gadjah Mada (UGM)	151. LPU Laguna
17. Khulna University (KU)	89. Universitas Iqra Buru	152. Mapua University
18. Khulna University of Eng and Tech (KUET)	90. Universitas Islam Negeri (UIN) Sunan Kalijaga, Yogyakarta	Qatar
19. Military Institute of Science and Technology	91. Universitas Islam Negeri Alauddin Makassar	153. Qatar University
20. National Institute of Textile Eng & Res (NITER)	92. Universitas Sebelas Maret (UNS), Surakarta	Saudi Arabia
21. Rajshahi University (RU)	93. University of Indonesia	154. Alfaisal University
22. SUST	94. Universitas Sumatera, Utara Medan	155. Effat University
23. University of Chittagong	95. MehrAstan University, Guilan	156. King Abdulaziz University (KAU)
24. World University Bangladesh (WUB)	96. University of Eryvanekey	157. King Abdulaziz University, Rabigh
Botswana	97. Technical and Vocational University (TVU)	158. King Fahd University of Petroleum and Minerals (KFUPM)
25. University of Botswana	Iraq	159. King Khalid University, Abha
Brazil	98. Babylon University	160. King Saud University (KSU)
26. Federal University of Sao Carlos (UFSCar)	Israel	161. Umm Al-Qura University (UQU)
27. Federal University of Santa Catarina (UFSC)	99. Sapir Academic College	162. Princes Nourah University (PNU)
28. University of Sao Paulo (USP) – Sao Carlos	100. Shamoan College of Engineering (SCE), Ashdod	163. Prince Sattam Bin Abdulaziz University
29. Federal Institute of Sao Paulo, Sorocaba	Italy	164. Prince Sultan University (PSU)
30. FACENS University, Sorocaba	101. University of Bologna	165. Taibah University
Canada	102. University of Salento	166. University of Tabuk
31. Concordia University	Japan	167. Taibah University
32. Humber Institute of Tech and Adv Learning	103. Ashikaga University	168. University of Business and Technology
33. Polytechnic Montreal	Jordan	169. King Khalid University, Abha
34. University of New Brunswick at Fredericton	104. Hashemite University	170. University of Bisha
35. University of Waterloo	Kenya	South Africa
36. University of Windsor	105. Kenyatta University, Nairobi	171. Durban University of Technology (DUT)
Colombia	Libya	172. Tshwane University of Technology (TUT)
37. Fundación Univ. Tecn. Comfenalco, Cartagena, Bolívar	106. Libyan Academy	173. University of Johannesburg (UJ)
38. University of Rosario, Bogota	Malaysia	174. University of South Africa (UNISA)
39. University of Quindio	107. Universiti Malaysia Sabah (UMS)	175. Vaal University of Technology (VUT)
40. Universidad de San Buenaventura, Cali, Valle	108. Universiti Putra Malaysia (UPM)	Sri Lanka
Costa Rica	109. Universiti Teknologi Malaysia (UTM)	176. University of Kelaniya
41. University of Costa Rica	110. Universiti Tun Hussein Onn Malaysia (UTHM)	177. University of Peradeniya
Czech Republic	111. Universiti Utara Malaysia (UUM)	Sudan
42. University of West Bohemia, Pilsen	Mexico	178. Sudan University of Science and Technology, Khartoum
Ecuador	112. Instituto Politécnico Nacional (IPN), Mexico	Thailand
43. Technical University of Ambato	113. Universidad del Caribe, Cancun	179. Chulalongkorn University, Bangkok
Egypt	Morocco	180. Chiang Mai University
44. Zagazig University	114. Akhawayn University	Turkey
Ethiopia	115. Ecole Mohammadia d'Ingénieurs (EMI)	181. Turkish-German University
45. Bahir Dar Institute of Technology	116. Sidi Mohamed Ben Abdellah University of Fez	UAE
Finland	117. N. School of Appl Sci. Kenitra, Ibn Tofail Univ	182. University of Science & Technology of Fujairah
46. University of Vaasa	118. Ecole Supérieure De Technologie, Fez	UK
France	Mozambique	183. University of Derby
47. IESEG School of Management	119. Eduardo Mondlane University	184. University of the West of England, Bristol
48. Lorraine University, Metz	Namibia	USA
Ghana	120. National Univ. of Sci. and Tech. in Windhoek	185. Central Connecticut State University
49. Technological Education Institute (TEI), Thessaly, Larissa	Nepal	186. Eastern Michigan University
Greece	121. Kathmandu University	187. Lawrence Technological University, Michigan
50. Accra Technical University	122. Tribhuvan University	188. University of the District of Columbia
Haiti	Nigeria	189. Indiana State University
51. Université Quisqueya	123. Covenant University	190. Florida Polytechnic University
India	124. University of Ibadan	191. Buffalo State College
52. College of Engineering and Technology, Bhubaneswar, Odisha, India	125. University of Nigeria, Nsukka	192. Southern Arkansas University
53. College of Engineering Guindy, Chennai	126. University of Benin	Venezuela
54. Guru Nanak Dev Engineering College	127. Olabisi Onabanjo University	193. Catholic University Andrés Bello, Caracas
55. Pandit Dendayal Petroleum Univ., Gujrat	Oman	Zambia
56. P.D.A. College of Engineering, Gulbarga	128. Sultan Qaboos University	194. University of Zambia
57. Vellore Institute of Technology	129. Middle East College	195. Copperbelt University
58. Vidya Jyothi Institute of Technology, Hyderabad	Pakistan	196. Evelyn Hone College
59. Universal College of Engineering & Technology (UCET), Dokiparru, Guntur, Andhra Pradesh	130. Dawood University of Engineering and Technology, Karachi	Zimbabwe
60. National Institute of Technology (NIT), Warangal	131. Government College University Faisalabad	197. University of Zimbabwe, Harare
61. Jawaharlal Nehru Technological University Hyderabad	132. Mehran University of Engineering and Technology, Jamshoro, Sindh	198. National University of Science and Technology
62. IITS, India	133. Riphah International University, Lahore Campus	199. CUT
63. Birla Institute of Tech & Sciences (BITS Pilani)	134. University of Engineering and Technology, Lahore	200. WUA
64. Amrita School of Business – Bangalore	135. UOT – Nowshera	201. HIT
65. Amrita school of Arts and Sciences, Mysuru		High School Chapters
66. Amrita School of Business, Coimbatore		202. Bay Area of San Francisco & San Jose, CA
67. Aligarh Muslim University, Aligarh		203. Arongghata, Khulna, Bangladesh
68. Mahant Bachittar Singh College of Engineering and Technology, Jammu		
69. Baba Banda Singh Bahadur Eng College		

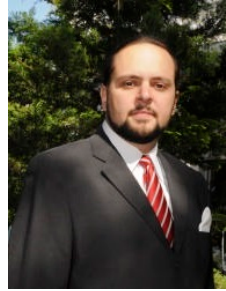
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Pro-Vice Chancellor Strategic Partnerships and Industrialisation
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Mt Pleasant, Harare, Zimbabwe



Prof. Abdul Talib Bon, Ph.D.
Professor of Technology Management, Department of Production and Operations Management, Universiti Tun Hussein Onn Malaysia



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Luz María Valdez de la Rosa, Ph. D.
Professor, School of Engineering and Technology
Universidad de Monterrey
Nuevo León, Mexico

Upcoming Events



13th Annual International Conference on Industrial Engineering and Operations Management
March 7-9, 2023, Manila, Philippines
 Venue: Hilton Manila, Host: De La Salle University



4th African International Conference on Industrial Engineering and Operations Management
Lusaka, Zambia, April 4-6, 2023
 Host: University of Zambia



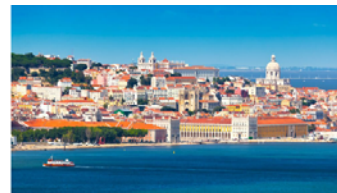
4th South American Conference on Industrial Engineering & Operations Management
Lima, Peru, May 9-11, 2023
 Venue: JW Marriott Hotel Lima



8th North American Conference on Industrial Engineering and Operations Management
Houston, Texas, USA, June 13-15, 2023
 Host: Texas A&M Engineering Experiment Station
 Institute of Manufacturing Systems (TEES-IMS)



6th European Conference on Industrial Engineering & Operations Management
Lisbon, Portugal, July 18-20, 2023
 Venue: Doubletree by Hilton Hotel
 Host: NOVA School of Science and Technology – FCT NOVA



4th Asia Pacific Conference on Industrial Engineering and Operations Management
Sept. 12-14, 2023, Ho Chi Minh City, Vietnam
 Hosts: CFVG-HCM and University of Economics Ho Chi Minh City



IEOM International Conference on Smart Mobility and Vehicle Electrification
October 10-12, 2023
 Southfield, Michigan, USA



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