FIRST AUSTRALIAN CONFERENCE ON
Industrial Engineering and Operations Management
-Sydney

Venue: Hilton Hotel Sydney

Australia

December 20-22, 2022
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IEOM Society

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. Hämäläinen**, 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 Razzazque**, 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.
**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. Rocosa 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. Hämäläinen**  
Emeritus Professor, Systems Analysis Laboratory  
Aalto University, Finland  
Visiting Professor, Decision Sciences, School of Business and Economics  
Loughborough University, UK

Raimo P. Hämäläinen 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 as 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 Professional 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 Universitas Sebelas Maret 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) in 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 his 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. His 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 Journal 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 (MSORSM), 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 Global Circle for 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.
Dr. Sheikh Khaleduzzaman Shah, MIEAust, MAIE
Researcher, Monash University
Energy Consultant, Global Buildings Performance Network (GBPNet)
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.

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.

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 CI. 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.

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.
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/SI 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.

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.

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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 Technology Management, the International Journal of Production Research, the International Journal of Quality & Reliability Management, the International Journal of Operations and Supply Chain Management, the International Journal of Operations & Production Management, the International Journal of Technology Management, the International Journal of Lean Six Sigma, the International Journal of Information Technology Management, the International Journal of Information Technology and Web Based Systems, and the International Journal of Information Technology and Web Based Systems. His work has been published in journals and conference proceedings in the field of continuous improvement and Operations Management Education and is 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.
Conference Committee

Honorary Chair
Dr. Sami Kari, 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

Conference Co-Chairs
Prof. Dr. Azharul Karim, Faculty of Engineering, School of Mechanical, Medical & Process Engineering, Queensland University of Technology (QUT), Brisbane, Australia
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.

Program Chairs
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
Dr. Md. Mizanur Rahman, Adjunct Professor, Imam Abdulrahman Bin Faisal University, KSA

Women in Industry and Academia Chairs
Ashini Soysa, Import and Export Coordinator at General Mills, Chadstone, Victoria, Australia

Global Engineering Education Chairs
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 Santosho Wilbrow, Associate Professor, Centre for Intelligent Systems, School of Engineering and Technology, Central Queensland University, Australia.

Automation and Agility/AI 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 (CSRI), 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 Mumtaz Karatas, Professor of Operations Research, Department of Industrial Engineering, National Defence University, Turkish Naval Academy, Turkey

Energy
Associate professor Dr Julka Paatero, LUT School of Energy Systems, Lappeenranta-Lahden yliopisto (University of Technology LUT), Finland

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

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-Uribe, 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 Sohban 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
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 ICETV, 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, Hysong 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.
**Mansoor Ahmed**

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.

**Puan Khairunnisa Kamaruzzaman**

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*

**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”.

**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.
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.

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
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, Wes 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), 2021 IEEE International Conference on Industrial Engineering and Engineering Management (program committee), 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 (CILTA) 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.
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)

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**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

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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.

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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).

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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 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)

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First Australian Conference

19
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 Professional 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 1999; Doctor (Dr) in Industrial Engineering & Management 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 Reseacher 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.

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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.

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.

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

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# Parallel Sessions

**All Times are in Sydney Time**

## MONDAY, December 19, 2022

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<td>8:00 am</td>
<td>Competition</td>
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<tr>
<td>10:00 am</td>
<td>Undergraduate Student Paper Competition</td>
<td>Decision Sciences</td>
<td>Supply Chain</td>
<td>Occupational Safety and Health (OSH)</td>
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<tr>
<td>12:00 pm</td>
<td>Undergraduate Student Paper Competition</td>
<td>LSS + High School Competitions</td>
<td>Design and Analysis</td>
<td>Entrepreneurship and Innovation</td>
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<td>2:00 pm</td>
<td>Artificial Intelligence</td>
<td>Supply Chain</td>
<td>Occupational Safety and Health (OSH)</td>
<td>Case Studies</td>
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<tr>
<td>4:00 pm</td>
<td>Undergraduate Research Competition</td>
<td>Human Factors and Ergonomics Competition</td>
<td>Graduate Student Paper Competition</td>
<td>Data Analytics and Big Data</td>
<td>Graduate Student Paper Competition</td>
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<td>6:00 pm</td>
<td>Supply Chain and Logistics Competition</td>
<td>Master Thesis Competition</td>
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<td>Supply Chain</td>
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<td>Business and E-Commerce</td>
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<td>Case Studies</td>
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<td>10:00 pm</td>
<td>Decision Sciences</td>
<td>Diversity and Inclusion / Women in Industry and Academia (WIIA)</td>
<td>Supply Chain</td>
<td>Construction Management</td>
<td>Case Studies</td>
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## TUESDAY, December 20, 2022

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<tr>
<td>8:00</td>
<td>Technical Presentation Onsite I</td>
<td>Global Business Management / Plenary</td>
<td>Virtual Room 1</td>
<td>Virtual Room 2</td>
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<tr>
<td>10:00</td>
<td>Onsite Conference Opening</td>
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<tr>
<td>10:20</td>
<td>Keynote I: Prof. Devdas Shetty Ph.D. PE, Dean, School of Engineering and Applied Sciences, University of the District of Columbia, Washington, DC, USA</td>
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<td>11:00</td>
<td>Keynote II: Prof. Kamo F. Hamalainen, Emeritus Professor, Systems Analysis Laboratory, Aalto University, Finland</td>
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<td>11:40</td>
<td>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</td>
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<tr>
<td>12:20</td>
<td>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 &amp; Technology (MOST), Taiwan</td>
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<td>1:00</td>
<td>Onsite Lunch Break</td>
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<tr>
<td>2:00</td>
<td>Technical Presentation Onsite II</td>
<td>Global Engineering Education I</td>
<td>Sustainability and Green Systems</td>
<td>Industry 4.0</td>
<td>Waste Management</td>
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<td>4:00</td>
<td>Panel on on Electrical Energy Storage Technology</td>
<td>Global Engineering Education II</td>
<td>Sustainability</td>
<td>Industry 4.0</td>
<td>Engineering Management</td>
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## Wednesday, December 21, 2022

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<tr>
<td>8:00</td>
<td>Technical Presentation Onsite IV</td>
<td>Technical Presentation Onsite III</td>
<td>Virtual Room 1</td>
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<td>Conference Chair Remarks</td>
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<tr>
<td>10:20</td>
<td>Keynote V: Prof. Dr. Ir. Wahyudi Suopbo, Professor, Industrial Engineering Department, Universitas Sebelas Maret (UNS), Surakarta, Indonesia</td>
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<td>Virtual Room 1</td>
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<tr>
<td>11:00</td>
<td>Keynote VI: Frank Will, Founder and CEO, Ino8 Pty Ltd, Victoria, Australia</td>
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<td>Virtual Room 1</td>
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<tr>
<td>11:40</td>
<td>Keynote VII: Prof. Srinath Perera, Visiting Professor, Decision Sciences, School of Business and Economics, Loughborough University, UK</td>
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<tr>
<td>12:20</td>
<td>Keynote VIII: Prof. Gnana K Bharathy, Founder and CEO, Ino8 Pty Ltd, Victoria, Australia</td>
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<td>1:00</td>
<td>Onsite Lunch Break</td>
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<tr>
<td>2:00</td>
<td>Technical Presentation Onsite V</td>
<td>Industry Solutions I</td>
<td>Operations Research</td>
<td>Information Technology</td>
<td>Engineering Education</td>
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<tr>
<td>4:00</td>
<td>Technical Presentation Onsite VI</td>
<td>Industry Solutions II</td>
<td>Project Management</td>
<td>Quality Control</td>
<td>IV and Simulation</td>
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## Thursday, December 22, 2022

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<tr>
<td>10:20</td>
<td>Keynote IX: Prof. Dr. Mohammed Abdur Razzaque, School of Business, University of New South Wales (UNSW), Sydney, Australia</td>
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<tr>
<td>11:00</td>
<td>Keynote X: 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 &amp; Technology (MOST), Taiwan</td>
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<td>11:40</td>
<td>Keynote XI: Prof. Abdal Talib Bon, Department of Decision Sciences, School of Business and Economics, Loughborough University, UK</td>
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<td>12:20</td>
<td>Keynote XII</td>
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<td>Onsite Lunch Break</td>
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<td>Technical Presentation Onsite IX</td>
<td>Global Supply Chain and Logistics I</td>
<td>Technology Management</td>
<td>Manufacturing</td>
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<td>WIIA Panel</td>
<td>Global Supply Chain and Logistics II</td>
<td>Energy</td>
<td>Operations Management</td>
<td>Occupational Safety and Health (OSH)</td>
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December 19 (MONDAY) - Session: 8:00 – 9:45 am

8:00 – 9:45 am, MONDAY  |  Poster Competition  |  Virtual Room 1
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**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 Molvizadah, 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 Jesús García Lopez, Universidad de Lima, Carrera de Ingeniería Industrial, Lima, Perú
José Antonio Taquia 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 Taquia 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
García-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 García-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 (UTM), Portoviejo, Ecuador
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 Industrial Engineering and Architectural 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
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**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 Ajledaani
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
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 Oceguera-Castillo, Center of Exact Sciences and Engineering, University of Guadalajara, Guadalajara, Mexico
Alejandro Vital-Soto and Jessica Olivares-Agulla, 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
Martín 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
Bajiet Sylvester Naresho, 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-León, 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

Fabian Minaya and Eduard 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 Monserrat, Carrera de Ingeniería Industrial, Universidad Técnica de Manabí
Jimmy Manuel Zambrano Acosta, Instituto de Posgrado, Universidad Técnica deManabí
Yenniz Aracely Sanchez Briones, Instituto de Posgrado, Universidad Técnica deManabí
Nila Marisol Plaza Macias, Instituto de Posgrado, Universidad Técnica deManabí
Carlos Daniel García-Mendoza, Universidad Técnica deManabí, Portoviejo, Ecuador
Neyfi Sablón Cossió, Instituto de Posgrado y Grupo de Producción y Servicio (ProServ), Universidad Técnica deManabí, Portoviejo, Ecuador

ID 521  Web system and inventory management in computer equipment companies: A systematic review
Erwin Carlos Surichaqui-Sarmiento, Jimmy Jesus Benjamin Benites-Noriega, Hugo Eladio Chumpitaz-Caycho, Faculty of Engineering, Universidad Privada del Norte, Lima, Peru
Erica 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 Alejandro 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 Taquía 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 Tecnologico Comfenalco, Cartagena de Indias, Colombia  
José Manuel Solana Garzón, CIPTEC Research Group- Faculty of Engineering - Industrial Engineering Program - Technology in Industrial Production, Fundacion Universitaria Tecnologico 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, Huanucayo, 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 Idrigo, 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

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-Carbajal, Senior Lecturer of Management, Instituto Tecnológico Superior de Álamo Temapache, Tecnológico Nacional de México, Veracruz, Mexico.
December 19 (MONDAY) - Session: 10:00 – 11:45 am

Session Chair: Judging Committee

ID 491 Bibilometric 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
Obregón Valderrama, Rocío Fernanda, Faculty of Engineering and Architecture, Industrial Engineering Career, Universidad de Lima, Lima, Peru
García-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 Quiróz-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
Marín Fidel Collao-Díaz, Juan Carlos Quiróz-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

Gina Adela Choque-Escandón, 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 Echeverría-García, Julio Cesar Espejo-Altacón, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú
Juan Carlos Quiróz-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

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
Masrati Patu, Sekolah Tinggi Ilmu Administrasi Puanagriyamatung, Makassar, Indonesia
Andries Lionardo, Universitas Pembangunan, Palambang, Indonesia
Muhammad Chairul Basrun Umar, Universitas Iqra Buru
Chairun Nasrin, 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
Mislati Misla, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Nur Fadhilah Umar, Universitas Negeri Makassar, Makassar, Indonesia
Geminastiti Sakkir, 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 Fatah, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Muliati, Politeknik Negeri Media Kreatif, Makassar, Indonesia
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 Naninis, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia
Syafraizaldi, 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. Ilays, Syafri Arief, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Harlindah Hamiati Arfan, STIE Nobel Indonesia, Makassar, Indonesia
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 Romadonhi, Gunawan Bata Ilyas, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Gustika Sandra, Sekolah Tinggi Ilmu Hukum Pengayoman, Makassar, Indonesia
Muhammad Chairul Basrun Umanailo, Universitas Iqra Buru, Indonesia
Andries Lionardo, University of Sriwijaya, Palembang, Indonesia
Chairun Nasirin, College of Health Sciences (STIKES), Mataram, 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 Kholliah Arsi, Information System Program, School of Information System, Bina Nusantara University, Jakarta, Indonesia
Viola Aura Rifa, 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 Zenata Noveria, School of Humanities, English Department, Bina Nusantara University, Jakarta, Indonesia
Clara Hertina 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 Hertina Karjo, School of Humanities, English Department, Bina Nusantara University, Jakarta, Indonesia

ID 388  The Determinant Factors of Repurchase Intention on the Shopee Website
Anindya Yunika Widyan, Dima Riszy 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 Gosal, 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
Muhammad Chairul Basrun Umamailo, 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
Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia
Andries Lionardo, University of Sriwijaya, Palembang, Indonesia
Annisa Retrofiilia Umamailo, Universitas Sriwijaya
Chairun Nasirin, College of Health Sciences (STIKES), Mataram, Indonesia

ID 168  
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
Trimayya Cahya Mulat, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
St. Maka, 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 169  
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
Yoenda Jayadisastera, Departemen of Agricultural Extension, Halu Oleo University, Indonesia
Budi Hartono, Magister Administrasi Publik, Universitas Medan Area

ID 170  
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 Muharamdiah Bone, Makassar, Indonesia
Muhammad Fachmi, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Bahi Atmadatuang, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia

ID 171  
Nurse Performance in Covid-19 Pandemic Situation
Winda Winanda, Sekolah Tinggi Ilmu Ekonomi Amkop Makassar, Indonesia
Hafidz Tahmah, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Ekafadly Jusuf, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Arifin Priyambodo R, Poltekkes Kemenkes Makassar, Makassar, Indonesia
Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Nasruluddin Nawawi, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

ID 172  
Officer performance in the field of Stewardship and Supporting Health in Fire Handling.
Suwandi, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Trimayya 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
Nirmawi Danis, Universitas Puangrimaggalatung, Makassar, Indonesia

ID 173  
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. Suhary Roslan, Department of Sociology, Halu Oleo University, Indonesia
Muhammad Chairul Basrun Umamailo, Universitas Iqra Buru
Chairun Nasirin, College of Health Sciences (STIKES), Mataram, Indonesia
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</table>
| Case Studies | 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 Umair, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia  
Eddyman W. Ferial, Muhaqir, 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  
Hadiasman Ibrahim, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia  
Edwin Basmar, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia |
| Data Analytics and Big Data | Order Picking Optimization in O2O Supermarkets with Customer Interference. | Kexin Gao and Shandong Mou, Business School, Central University of Finance and Economics, Beijing, China |
| Data Analytics and Big Data | 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 |
| Data Analytics and Big Data | Big Data Analysis on Issues, Challenges, and Innovations in Decade Long Studies in Computer Science | Risa Rumentha Simanjuntak, English Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia |
| Data Analytics and Big Data | 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 |
| Data Analytics and Big Data | 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  
Choliutfar Rozzika and Amrina Rosyada, Information Systems Study Program, Science and Technology, State Islamic University Sunan Ampel Surabaya, Surabaya, Indonesia |
<p>| Data Analytics and Big Data | 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 |</p>
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<td><strong>ID 593</strong> The Influence of Competence, Communication and Motivation on the Employees of the Postgraduate School of University Hasanuddin Makassar</td>
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<td>Haidir Jaya Satria, Hasmin Tamsh, Sofyan Hamid, Jumiaty Nurung, Amar Sani, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia. Sri Wahyuni, Marlia Rianti, Universitas Muhammadiyah Bone, Makassar, Indonesia</td>
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| **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 Srilawiy, Palembang, Indonesia |
| Annisia Retrolia Umanaliou, Universitas Sriwijaya, 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 |

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

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

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

| **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 |

| **ID 189** Work Capability with Work Environment Management and the Effectiveness of Education and Training on Civil Servant Performance |
| Martina, Ansar, Syafi Arief, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia. Geminastiti Sakkir, Universitas Negeri Makassar, Makassar, Indonesia |
### December 19 (MONDAY) - Session: 12:00 – 1:45 pm

#### Undergraduate Student Paper Competition

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<td>What did I forget? An investigation into refresher training intervals for a multi-skilled maintenance workforce</td>
<td>CAPT Andrew Starka, Amany Aklb, Hasan Turanb, Sondoss Elsawahb, Electrical Engineering Student a School of Engineering and Information Technology, University of New South Wales, Canberra, Australia</td>
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<tr>
<td>ID 392</td>
<td>End-to-End Enterprise Visibility Software Packages</td>
<td>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</td>
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<tr>
<td>ID 243</td>
<td>Analysis of Transaction Security Effectiveness using Face Recognition on Digital Wallet Applications in Generation Z at Indonesia</td>
<td>Yeslin Fentisia, Information Systems Department, School of Information Systems, Bina Nusantara University (BINUS), Jakarta, Indonesia and Aulia Sisca Rahmadiyanti, Information Systems Department, School of Information Systems, Bina Nusantara University (BINUS), Jakarta, Indonesia and Irene Dominika Wijaya, Information Systems Department, School of Information Systems, Bina Nusantara University (BINUS), Jakarta, Indonesia and Evaristus Didik Madyatmadja, Information Systems Department, School of Information Systems, Bina Nusantara University (BINUS), Jakarta, Indonesia</td>
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<td>ID 26</td>
<td>Analysis of Yarn Quality Control Using FMEA and FTA Methods to Minimize the Occurrence of Non-Conforming Product (NCP)</td>
<td>Adam Muchammad Burhanuddin, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia and 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</td>
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<tr>
<td>ID 620</td>
<td>The Assessment Model to Rank Applicants for Research and Development Job Position in PT ABC.</td>
<td>Janice Santoso, Evy Herowati, Joniarto Parung, Industrial Engineering, Faculty of Engineering, University of Surabaya, Indonesia</td>
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<td>ID 487</td>
<td>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</td>
<td>Dagamina, Kim Chazcele, Flores, Paolo Brando, Fausto, Juan Miguel, Gaudiel IV., Ireneo Elijah, Gavica, Lemuel Niel, Magbata, Klayne Janzel, Galingan, Romalyn, Paliscoc, Arianne, Department of Industrial Engineering, College of Engineering and Architecture, Technological Institute of the Philippines – Quezon City, Cubao, Quezon City, Philippines</td>
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<td>ID 449</td>
<td>Multiple Regression Analysis on the Physical and Perceived Attributes of Quezon City Free Bus Service to Passenger Satisfaction</td>
<td>Elijah Louise G. Briones, Criselle Mary Grace D. Dagami, Luzvimindo P. Garbo Jr., Shannette V. Gemino, Ian Gabriel Inay, Junna Jemina A. Lazaro, Romalyn L. Galingan, Arianne A. Paliscoc, Department of Industrial Engineering, College of Engineering and Architecture, Technological Institute of the Philippines – Quezon City, Cubao, Quezon City, Philippines</td>
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#### LSS + High School Competitions

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<td>Resolving Gross Rejections in Assembly Manufacturing Plant Through 8D Methodology in Addressing High Cost of Non-Quality.</td>
<td>Marlou 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 and Klint Allen A. Mariñas and Yung-Tsans Jou, Department of Industrial and Systems Engineering, Chung Yuan Christian University, Taoyuan City, Taiwan</td>
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### High School

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<td>ID 369</td>
<td>Analysis of Research Trends in Artificial Intelligence and Healthcare Convergence using Text Mining Techniques</td>
<td>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</td>
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</table>
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

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

ID 677  Microplastics Pollution in Marine Life And Reduction Strategies through PET Hydrolyase Enzyme Target of Ideonella Sakaiensis  
Tasfia Nuzhat, Wiley Park Girls High school, NSW, 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 VA/VE 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, Sebastiansus 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 Carolinina, 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, Indonesia  
Donna Carolinina, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia  
R Aditwa Kristantomo P, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia  
Doddy Rizki Darmawan, Ni Putu Eka Laksmithea Devi, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia

ID 459  VA/VE 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 Puanagrigalgalatung, Makassar, Indonesia  
Husni Kamal, IAIN Lhokseumawe, Syafuddin, Fajar Rezeki Ananda, Universitas Prima 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 Barambillah, 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  
Muhammad Hiram Indaryani Putro, Industrial Engineering Bachelor Program, Telkom University, Bandung, Indonesia  
Maria Dellarosawati Idawicaksakti, Industrial Engineering Bachelor Program, Telkom University, Bandung, Indonesia  
Lusiastini Yuli Ari, 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
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<td>Heru Santosa Hadiyanto, Senior Lecturer, Binus Business School, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Practical Study of Digital Learning and Virtual Laboratory in Post-Pandemic Era</td>
<td>Hana Christabel, Communication Department, Faculty of Digital Communication and Hotel &amp; Tourism, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Rasch Model View: Does A Family Business Shape the Entrepreneurial Orientation?</td>
<td>Banu Rinaldi, Senior Lecturer, Business Creation Program, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Devi Rosniawati and Jurry Hatammimi, Department of Management, School of Economics and business, Telkom University, Bandung, Indonesia</td>
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<td>The Strategy Formulation of Ethnic-Style Fashion in Indonesia: Case Study of KARJAKOE</td>
<td>Vania Lystia Vasyah and Selly Novela, Business Creation Program, Management Department, Bina Nusantara University, Jakarta, Indonesia</td>
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**Case Studies**

| 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 |
| 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 |
| 257 | 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 |

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<td>235</td>
<td>Civilizing Process of Football in Indonesian Schools</td>
<td>Indhar Wahyu Wira Harjo, Department of Sociology Faculty of Social Sciences and Politics, Universitas Brawijaya, Malang, Indonesia</td>
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<td>165</td>
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<td>Mardiana, Baharuddin, Baharuddin Baharuddin, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia</td>
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<td>Rahmaniyah Dwi Astuti, Doctoral Program in Industrial Engineering, Sebelas Maret University, Surakarta, Indonesia</td>
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<td>Rahma Sabilah Nurbi, Bambang Suhardi, Pringgo Widyo Laksono, and Irwan Iftadi, Industrial Engineering Department, Sebelas Maret University, Surakarta, Indonesia</td>
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ID 607  EEG Signal Based Anxious States among University Student during Covid-19 Pandemic in Response to Virtual Reality Exposure Therapy
Tiaru Nur Fitri, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret (UNS), Surakarta 57126, Indonesia
Lobes Herdiman, 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
Gradiyani Budi Pratama, Lecturer, Department of Industrial Engineering, Institut Teknologi Bandung (ITB), Bandung, Indonesia
Hardianto Iriastadji, 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, Syazwan Basiron, Lecturer, Center for Mechanical Engineering Studies, Universiti Teknologi MARA, Cawangan Pulau Pinang, Penang, Malaysia

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 Naninsih, Hasniaty, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Saiful Irfan, Politeknik Pelayaran Surabaya, Indonesia.
EdiWinata, 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
Syafriuddin Ritonga, Communication Science Study Program, Faculty of Social and Political Sciences, Universitas Medan Area, North Sumatera, Indonesia
Andries Lionardo, University of Sriwijaya, Palembang, Indonesia
Muhmad 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

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

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 Ruskowanto, 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 Margarita 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

**Undergraduate Student Paper Competition**

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<td>Dini Wahjoe Hapsari, Faculty of Economics and Business, Telkom University, Bandung, West Java, Indonesia</td>
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<td>Putu Wahyudi Sinduarta, Faculty of Economics and Business, Telkom University, Bandung, West Java, Indonesia</td>
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<td><strong>ID 278</strong></td>
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<tr>
<td>Andrea Maretha Putri and Daffa Ahmad Nabila, Undergraduate Student, BBS Undergraduate Program, Binus University, Bekasi, Indonesia</td>
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<td>Leo Andri Yulius Caeser, Senior Faculty Member, Binus University, Bekasi, Indonesia</td>
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<tr>
<td>Prof. (Dr.) Varsha Karandikar, Professor, Vishwakarma Institute of Technology, Pune, Savitribai Phule Pune University, Pune, Maharashtra, India</td>
</tr>
<tr>
<td>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</td>
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<td><strong>ID 502</strong></td>
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<tr>
<td>America, Girilie, De Palma, Mary Leinel, Demalata, Fiona Mae, Denila, Robert Ryan, Incocencio, Bheatrice, Oblino, Sharmae Jayne, Department of Industrial Engineering, College of Engineering and Architecture, Technological Institute of the Philippines – Quezon City, Cubao, Quezon City, Philippines</td>
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<td><strong>ID 627</strong></td>
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<td>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</td>
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<tr>
<td>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</td>
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<td>Andreas Kurniawan, Creative Advertising Program, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Carlos Hernández, Jaime Castillo, Departamento de Procesos Industriales, Universidad Católica de Temuco, Temuco, Chile</td>
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<td>Irfan rifai, Senior Lecturer, Binus University English Department, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Faisal Asadi and Joko Pebrianto Trinugroho, Bioinformatics and Data Science Research Center, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Bens Pardamean, Computer Science Department, BINUS Graduate Program, Master of Computer Science, Bina Nusantara University, Jakarta, Indonesia</td>
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<td><strong>ID 97</strong></td>
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<tr>
<td>Angeline, Department of Computer Science, Bina Nusantara University, Jakarta, Indonesia</td>
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<tr>
<td>Sasmoko, Primary Teacher Education Department, Faculty of Humanities, Research Interest Group in Educational Technology, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Yasinta Indrianti, Entrepreneurship Department, Universitas Agung Podomoro, Jakarta, Indonesia</td>
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<td><strong>ID 537</strong></td>
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<td>Dr. Augustin Rina Herawati, Mrs Nina Widowati, Mrs Maesaroh, Lecturer, Public Administration, Faculty of Social and Political Science, Universitas Diponegoro</td>
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<td><strong>ID 532</strong></td>
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<td>Adil Dhawan, Parv Jain, Ainesh Dhawan, Piyush Tiolkandani, M.B. Kiran, School of technology, Pandit Deendayal Energy University, Gandhinagar, Gujarat, India</td>
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<td><strong>ID 514</strong></td>
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<tr>
<td>Muhammad Usama, Asnan Farooq, and Ubid Ullah, GIFT University Gujranwala, Pakistan</td>
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<th>Session Time</th>
<th>Session Title</th>
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<td>2:00 – 3:45 pm, MONDAY</td>
<td>Supply Chain</td>
<td>Virtual Room 3</td>
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<tr>
<td></td>
<td>ID 92    Analyzing the Factors Affecting the Behavioral Intention of Customers in a Testing Laboratory Facility using Structural Equation Modeling</td>
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<td></td>
<td>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</td>
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<td>Rex Aurelius C. Robielos, School of Industrial Engineering and Engineering Management, Mapua University, Intramuros, Manila, Philippines</td>
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<td>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</td>
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<td>Wahyuning Hanifah Aprillia, Telkom University, Indonesia</td>
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<td>ID 63    Prediction of 0-90 Employment Attrition for A Business Process Outsourcing (Bpo) in the Philippines Using Machine Learning</td>
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<td>Mary Grace Surio, Manila Philippines, School of Information Technology, Mapua University 1191 Pablo Ocampo Sr. Extension, Barangay Santa Cruz, Makati City, Philippines</td>
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<td>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</td>
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<td>Hendrawan Candra Purnama, Master Graduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36A, Surakarta 57126, Indonesia</td>
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<td>Susy Susmartini, Industrial Engineering Program, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36A, Surakarta 57126, Indonesia</td>
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<td>Lobes Herdiman, Industrial Engineering Program, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36A, Surakarta 57126, Indonesia</td>
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<td>ID 309  Success Model of Cloud-Based ERP using Six Sigma Method (Case Study of PT Gamma – Food &amp; Beverage Company in Indonesia)</td>
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<td>Chrysan Kirana and Prio Utomo, Department of Technology Management, Faculty of Business, Universitas Multimedia Nusantara, Banten, Indonesia</td>
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<td>Mohammad Icshan, Management Program, Binus Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Jullbintor Kembaren, Business Management Program, Binus Business School Master Program, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>ID 323  Analysis of Product Development in The Muslimah Sock Industry in Indonesia</td>
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<td>Eka Maya Sari Siswi Ciptaningsih, Senior Lecturer, Business Creation Department, BBS-UP, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Nopriadi Saputra, Management Department, BBS-UP, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Azizazzmi Ahmadham, Management Department, BBS-UP, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>M. Rama Handika, Management Department, BBS-UP, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Muhammad Wildan, Management Department, BBS-UP, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>ID 114  Community participation in transforming villages into tourist villages with the power of social capital.</td>
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<td>Agung Hari Sasongko, BINUS Entrepreneurship Center, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Glory Aguzman, BINUS Entrepreneurship Center, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Yuli Eni, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>2:00 – 3:45 pm, MONDAY</td>
<td>Occupational Safety and Health (OSH)</td>
<td>Virtual Room 4</td>
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<td>ID 609  Strategy Design to Improve Safety on Electronic Manufacturing</td>
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<td>Bidewena Yuftariadi Siswoyo, Department of Industrial Engineering, University of Indonesia, Depok, Indonesia</td>
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<td>Maya Arlini Puspasari, Department of Industrial Engineering, University of Indonesia, Depok, Indonesia</td>
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<td>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</td>
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<td>Ihwana, Muhammad Yahya, Trimaya Cahya Mulat, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia</td>
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<td>Yusep Mulyana, Universitas Pasundan, Bandung, Indonesia</td>
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<td>Isra Maulina, IAIN Lhokseumawe</td>
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<td>ID 589  The Effect of Counseling Methods on Covid-19 Prevention through Personal Hygiene and Social Distancing in the Work Area</td>
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<td>Sadrayarti, Sekolah Tinggi Ilmu Ekonomi Amkop, Makassar, Indonesia</td>
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<td>Hasmin Tamsah, Sekolah Tinggi Ilmu Ekonomi Amkop, Makassar, Indonesia</td>
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<td>Mansur Azis, Sekolah Tinggi Ilmu Ekonomi Amkop, Makassar, Indonesia</td>
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<td>Reski Dewi Pratwi, Institut Ilmu Kesehatan Pelamonia Makassar, Makassar, Indonesia</td>
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<td>Yusriadi Yusriadi, Sekolah Tinggi Ilmu Kesehatan Puanglinikalatung, Makassar, Indonesia</td>
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<td>Purnomo Purnomo, Sekolah Tinggi Ilmu Ekonomi Amkop, Makassar, Indonesia</td>
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<td>Darti Darti, Sekolah Tinggi Ilmu Ekonomi Amkop, Makassar, Indonesia</td>
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<td>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</td>
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<td>Rahimawati and Rasjidin Abdullah, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia</td>
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ID 179  
**The Effect of Locus of Control and Competency on Medical and Paramedic Functional Performance through Motivation in The Center of Veterinarian Maros**

Gembong Rachmadany, Hendra Gunawan and Muhammad Tamrin, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
A. Supalian Isya Syamsu, Pharmacy Department, Universitas Megarezyk, Makassar, Indonesia
Muhammad Chairul Basrun Umaranlo, Universitas Iqra Buru
Wiwii Rumaolot, 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 Bathanuddin, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
EkaSandy Jusuf, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Musni, Akademi Kebidanan Batari Toja, Makassar, Indonesia
Ilham Shah Azikiin, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Muhammad Taufik, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Ahmad Syafuddin, 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 Lwuno Regency**

Jamil, 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 Darma, Universitas Negeri Surabaya

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

Siti Nahajer, Ansar, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
EkaSandy Jusuf, Fakultas Ekonomi dan Bisnis, Universitas Hasanuddin, Makassar, Indonesia
Rachmayanthy Rachmayanth, Department of Correctional Technic, Indonesia
Ali Muhammad, Department of Community Guidance, Indonesia
Ida Sriwaty Sunaryo, Department of Physiology, Universitas Halu Oleo, Indonesia
Muhammad Chairul Basrun Umaranlo, 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**

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, Babby Masitho Batubara and Adam, Public Administration Study Program, Faculty of Social and Political Sciences, Universitas Medan Area, Indonesia
Armansyah Matondang & Syafrudin Ritonga, Communication Science Study Program, Faculty of Social and Political Sciences, Universitas Medan Area, North Sumatera, Indonesia
M. Citra Ramadhani & 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 ilias, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Novayanti Sopria Rukmana, Universitas Negeri Makassar, Makassar, Indonesia
Anfin Rauf, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, 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 Estefania, 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, Business Administration School, Universidad del Azuay, Cuenca, Ecuador

ID 435  Literature review study of Moroccan SME's Internationalization
Nejjiro 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 Islam, 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 Ubaiddillah and Muhammad Wildan Sholih, Department of Accounting, PSDKU Pekalongan, Diponegoro University, Indonesia
Tanjunganom, Tj. Kulon, Kec. Kajen, Kabupaten Pekalongan, Jawa Tengah, Indonesia
Nirina Roro A'yun, Departement of Financial Management, PSDKU Rembang, Diponegoro University, Indonesia
Jumadil Saputra, Departament 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
Cicilia Hartuti, 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 Sofía Mautino-Guadalupe and Josey Luzmila Fernández-Damián, Faculty of Engineering and Architecture, University of Lima, Lima, Peru
Martin Collao-Díaz and Juan Carlos Quiroz-Flores, Research Professors, Faculty of Engineering and Architecture, University of Lima, Lima, Peru

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 Hartuti, Nasruddin Nawawi and Mansur Azis, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Agus Munir, Agency for Language Development and Cultivation, Regional Agency for Language in North Sumatra Province, 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 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 Susaharyanto and Nina Angelia, Public Administration Study Program, Faculty of Social and Political Sciences, Universitas Medan Area, North Sumatera, Indonesia
Niarli Bukit, Management Department, Faculty of Economic, Universitas Sisingamangaraja XII Tapanuli, North Sumatera, Indonesia
Agus Muia, 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. Hunowo, Department of Sociology, State Islamic University of Sultan Amâi, Gorontalo, Indonesia
Munsi Lampe, Nurul Ilmi Idrus and Safriadi, Departement of Anthropology, Hassanuddin University, Makassar, Indonesia

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

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,
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

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 Ibañeze Diaz, Senior Lecturer, School of Industrial Engineering, Universidad de Lima, Lima, Perú
Yvan Jesus García López and José Antonio Taquila 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
Session Chair: Dr Cafer Avci, National Electric Vehicle Sweden and / Dr Ripon K. Chakrabortty, 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 Daban, San Jose, Occidental Mindoro, Philippines
Klint Allen A. Marinas, School of Industrial Engineering and Engineering Management, Mapua University, 658 Muralla St., Intramuros, Manila, Philips
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 Wan, Doctoral Student, Faculty of Student, Department of Economics and Innovation Policy, Gajah Mada University (UGM), Yogyakarta, Indonesia
Fauziah Zulfifri, 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 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

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
Sivarajini 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 Nabiah 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

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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
Likitha 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 Zlín, 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 Weerasinge, 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, 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 Martina, Politeknik Triguna, Tasikmalaya, Indonesia
Chaurun Nasirin, College of Health Sciences (STIKES), Mataram, Indonesia
Andries Lionardo, University of Sriwijaya, Palembang, Indonesia
Muhmad Chaurul 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 S 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 Siemion 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 Tamshah, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Rasjidin Abdullah, Universitas Muslim Indonesia, Makassar, Indonesia
Muhammad Aswan Zanynu 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
Syahruddin, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimaggalatung, Makassar, Indonesia
Muhammad Aswan Zanynu and M. Najib Husain, Department of Communication and Journalism, Halo Oleo University, Indonesia
Burhanuddin Bahanuddin, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Political Alms: Patronage Practices in the 2019 Legislative Election in South Sumatra

ID 200

Ridhah Taqwa and Zulfikri Suleman, University of Sriwijaya, Palembang, Indonesia

Professionalism Analysis of the Discipline and Performance of Police Officers at Polres Jeneponto

ID 187

Bakri, Muhammad Aswar, Ansar and Syafri Arief, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Annisa Retrifa Umanailo, Universitas Sriwijaya, Indonesia

Muhammad Chairul Basrun Umanailo, Universitas Iqra Burow, Indonesia

Wiwi Rumaoatil, STIKes Maluku Husada, Indonesia

Resilience and Well-Being Among Young Adults in Jakarta During the COVID-19 Pandemic: A Correlational Study

ID 45

Agnes Br Sirinurat, Naftali Naomi Karunia Arta Karina, Syifa Nadhira, Angela Dyah Ari Pramastyaningtyas and Antonina Panjita Junni Wulandari Psychology Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

Revisiting Indonesian Youth Nationalism in the Indonesia-Malaysia Borderland

ID 203

Addin Kurnia Putri and Ignatius Agung Satyawan, Department of Sociology, Universitas Sebelas Maret, Surakarta, Indonesia

School Environment and Parents' Motivation on Learning Outcomes through Student Learning Behavior at UPT Vocational Schools

ID 573

Abdul Hakim, Misbahuddin, Ayu Anggraeni and Munir Munir, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

Habibur Rahman and Akh. Syafiful Rijal, Institut Agama Islam Negeri Madura, Indonesia

Smartphone-Assisted Language Learning: A Breakthrough for English Learning Autonomy

ID 365

Santiana, Fera Sulasri, Asri Siti Fatimah, Abdul Gafur Marzuki, Saidna Zulfiqar Bin-Tahir and Andi Asri, English Education Department, Siliwangi University, West Java, Indonesia

The Potential of Floating House as A Solution for The Utilization of Water Area in Indonesia

ID 668

Arie Indarto, Shipbuilding Institute of Polytechnic Surabaya (PPNS), Department of shipbuilding, 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 Wiwono Mudjanarko, Civil Engineering Faculty, Narotama University, Surabaya, Jawa Timur, 60117, Indonesia

Rizal Bahaswan, Narotama University, Surabaya, Jawa Timur, 60117, Indonesia

Joewono Prasetijo, Department of Transportation Engineering Technology, Universiti Tun Hussein Onn Malaysia, 84600 Pahang, Johor, Malaysia

Dewi Haryanto, Aeronautical Engineering, De Montfort University, Leicester, United Kingdom

School Environment and Parents’ Motivation on Learning Outcomes through Student Learning Behavior at UPT Vocational Schools

Business Management

4:00 – 5:45 pm, MONDAY

ID 403 Social networks as a promotional tool to promote tourism: A systematic review

Dubertly Mayly Lopez-Ortiz and Isela Fernanda Rosas-Yñañes, Business Faculty, Administration and Tourism Services, Universidad Privada del Norte, Lima, Peru

Wilber Auccahuasi, Universidad Científica del Sur, Lima, Peru

Franklin Cordova-Buiza, Faculty of Business Sciences, Continental University, Huancayo, Peru

Strategic Perspective for Business Education: Case Study of Bangladesh

ID 236

Syed Ferhat Anwar, Professor, Institute of Business Administration, University of Dhaka, Dhaka, Bangladesh

Teaching Factory for Creative Products Such as Soap, Aromatherapy Candle, Ginger Products at Vocational School Miftahul Huda Banyumas

ID 73

Dewi Tamara, MM Executive Program, BINUS, BINUS Business School Master Program, Bina Nusantara University, Jakarta 11480, Indonesia

Muhammad, Vocational School Miftahul Huda, Banyumas, Indonesia

The Development of Digital Video Production at Vocational School PGRI Ciawigebang, Kuningan, Indonesia

ID 71

Dewi Tamara, MM Executive, School of Business Management, Bina Nusantara University, Jakarta, Indonesia

Deniza Mullanita, MM Blended Learning, School of Business Management, Bina Nusantara University, Jakarta, Indonesia

Ramli Ramli, Vocational School PGRI Ciawigebang, Kuningan, Indonesia

The Dynamics of Conflict in Blimbing Market Development Malang City

ID 140

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

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

ID 358

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

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

Ahmad Luthfi Hutahusut, Sekolah Tinggi Ilmu Manajemen Sukma Medan

Zubaidah Hanum, Politeknik Lp3i Medan

Agnitia Yolanda, Universitas Medan Area

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### PARALLEL SESSIONS

#### December 20-22, 2022

**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

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<td>Business Management</td>
<td>Virtual Room 7</td>
<td>Session Chair: Dr. Lusheng Shao, University of Melbourne</td>
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**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 Ila 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 Ila 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 Ila 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 Ila 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 Ila 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 Ila 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

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**December 19 (MONDAY) - Session: 6:00 – 7:45 pm**

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<td>Supply Chain and Logistics Competition</td>
<td>Virtual Room 1</td>
<td>Session Chair: Judging Committee</td>
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**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 Adeniyi, 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

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ID 640  **Machine Learning Process for Lot size Optimization, case of Automotive Industry**
Zoubida Bennamoun, 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. Chakrabortty, 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 Tauolo, 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 Management Binus University, Indonesia

ID 13  **Propose Business Strategy to Develop New Integrated Logistic Base Case of Pt Xyz**
Steven Romario Temanta Targana 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
Ernita 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 Galì, 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 Galì, 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 Galì 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 Galì, 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 Galì, 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**
The Effect of the Lecture Plus Method and the Role of Parents on Student Learning Outcomes through the Quality of the Study

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
Rath Indrasari, 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 Fuadlah Habib, Faculty of Economy and Islamic Business, Universitas Islam Negeri Sayyid Ali Rahmatullah, Tulungagung, Indonesia
Asik Putri Ayusari Ratnaminggih, Faculty of Humanities Universitas Airlangga, Surabaya, Indonesia
Mukhammad Fatkullah, Community Development Officer, PT Kilang Pertamina Internasional Unit Dumai, Dumai, Indonesia
Siti Mulsilahul Mukaromah, Madrasah Aliyah Negeri 7, Jombang, Indonesia
Elia Eriyana, 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 Pancaita 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
Ryryr Suryan Prana Putra, STIKES Pelamonia Kesdam VII Wirabuana, Makassar, 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
Abdul Harris, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Syamsul Bahri, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia

ID 593 The Effect of Information Access Through Online Services Toward Customer Satisfaction: A Survey Study of Social Security for Employment in Indonesia

Muhammad Alhada Fuadlah Habib, Faculty of Economy and Islamic Business, Universitas Islam Negeri Sayyid Ali Rahmatullah, Tulungagung, Indonesia
Suhardi, Hasmin Tamsah, Mislia Mislia, Andi Srimularahmah, Mardin Mardin, Munir Rauf and Hasanuddin Rauf, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

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

Bebby Masitho Batubara, Public Administration Study Program, Faculty of Social and Political Sciences, Universitas Medan Area, 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
Bhahtiar Usman, Sarifilanty Anggiani and Hermanto Yaputra, Service Management, Faculty of Economy and Business, Trisakti University


Muhammad Alhada Fuadlah Habib, Faculty of Economy and Islamic Business, Universitas Islam Negeri Sayyid Ali Rahmatullah, Tulungagung, Indonesia
Suhardi, Hasmin Tamsah, Mislia Mislia, Andi Srimularahmah, Mardin Mardin, Munir Rauf and Hasanuddin Rauf, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia

ID 292 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 293 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

Bebby Masitho Batubara, Public Administration Study Program, Faculty of Social and Political Sciences, Universitas Medan Area, Indonesia

ID 356 The Effect of Training and Incentives on Employee Performance Through Work Productivity at the Public Health Center in Bissapu Sub-district, Bantaeng Regency

Vandy Rosanty Djabbar, Nasruddin Nawawi and Hasmin Tamsah, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimaggalating, Makassar, Indonesia
Kartika Sari Lubis and Ade Rahma Ayu Siregar, Sekolah Tinggi Ilmu Manajemen Sukma Medan, 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

Vandy Rosanty Djabbar, Nasruddin Nawawi and Hasmin Tamsah, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Yusriadi Yusriadi, Sekolah Tinggi Ilmu Administrasi Puangrimaggalating, Makassar, Indonesia
Kartika Sari Lubis and Ade Rahma Ayu Siregar, Sekolah Tinggi Ilmu Manajemen Sukma Medan, Indonesia

ID 292 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 392 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 393 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

Bebby Masitho Batubara, Public Administration Study Program, Faculty of Social and Political Sciences, Universitas Medan Area, Indonesia

ID 394 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 Jeneponento Regency
Johan, Mattalatutta Mattalatutta 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 Surya, 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
Hafsa, Nasrul Idinawawi and Hendra Gunawan, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
M Awaluddin A, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Ambo Upe, Department of Sociology, Halu Oleo University, Indonesia
Fahmi Sulaiman, Sekolah Tinggi Ilmu Manajemen Sukma, Indonesia
Eliserra Siemian 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 Tenti Fitriya, 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 Maddatunag, 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

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<td>Competency Development on Investigation Performance through Work Creativity, Responsibilities, and HR Capacity</td>
<td>Erwinwijaya, Umi Farida, Hasmin Tamsah, Wahyuwdhi Wahyuwdhi, Jumiaty Nurung and Syafruddin Muhtar, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia</td>
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<td>Andreas Tri Panudju; Marimin and Sapta Raharja, Department of Agro-industrial Engineering, Faculty of Agricultural Engineering and Technology Bogor Agricultural University, Bogor 16680-Indonesia</td>
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**8:00 – 9:45 pm, MONDAY**

### Industrial Management Virtual Room 2

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

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<td>Alif Faridalhaf, Department of Industrial Engineering, University of Indonesia, Indonesia</td>
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<td>Lailatul Fadhilla Rahmi and Djoko Sihono Gabriel, Industrial Engineering Department, Faculty of Engineering, Universitas Indonesia</td>
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<td>Raimo Hämäläinen, Systems Analysis Lab. Aalto university, Finland</td>
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<td>Judith Nkuna, Department of Quality and Operations Management, Department of Engineering Management, University of Johannesburg, South Africa</td>
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<td>Indonesia, World, Digital Economic Growth and Digital Tourism Business</td>
<td>I Nyoman Sudapet and Agus Sukoco, Department of Management, Narotama University, Indonesia</td>
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### Supply Chain Virtual Room 3

**Session Chair:** Dr. D.R.J. Siriwardhane, Faculty of Management Studies & Commerce, University of Sri Jayewardenepeura, Sri Lanka

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<td>An Empirical Investigation Into functioning of Indian Banks and The Effect of Directors on Their Credit Rating</td>
<td>Aghila Sasidharan, Department of Accounting &amp; Finance, Jindal Global Business School (JGBS), O.P. Jindal Global University, India Vinayak A Drave, Department of Accounting &amp; Finance, Jindal Global Business School (JGBS), O.P. Jindal Global University, India Alteequr Rahman, School of Management &amp; Entrepreneurship, Indian Institute of Technology, Jodhpur, India</td>
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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 Liquidanu, 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, Rsnani Ginting and Meilista 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. Siritwardhane 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
Miftakhurrizal 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
Irwanawati 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 Hadiputra and Neryrus 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
Atique Rahman, Ph.D. Research Scholar, School of Management & Entrepreneurship, Indian Institute of Technology, Jodhpur, India
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<td>Indonesia, World, Future Research, Sustainable and Smart Economic Tourism</td>
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<td>Ronny Durrotun Nasihien and Muhammad Ikhwan Setiawan, Department of Civil Engineering, Naratama University, Indonesia</td>
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<td>Abdul Talib Bon, Faculty of Technology And Business Management, Department Of Production And Operations Management, Universitas Tun Hussein Onn Malaysia, Parit Raja, Malaysia</td>
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**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 | Usputulkaerah 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 Fadhillah 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, Panggrio Restu Wilujeng, Michael Jeffri Sinabutar and Laila Hayati, Department of Sociology, Universitas Bangka Belitung, Bangka, Indonesia

**ID 380** Describing Buru Language Learning Model in Ecotourism-Based Embedded-Multilingual: Teachers’ Need Analysis Saidna Zulfikar Bin Tahir, English Education Department of the Universitas Iqra Buru, Maluku, Indonesia Geminastiti Sakkir, 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 Agustinawati, 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 Puangrimaggalatung, Makassar, Indonesia

**ID 311** FOQUS (Focus and Quota Saver) Application for Effective Learning in Online and Digitalized Classroom (A Study Case in SDS Yayasan Pembangun Didikan Islam) Hans Allen Gunawan, Tri Rasti Ufa Tanjung, Abdullah Thoha, Akbar Gading Alfadi Harahap and Mindy, Industrial Engineering Department Universitas Sumatera Utara (USU), Medan, 20155, Indonesia Meilitia Tryana Semiring, 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. Eny 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 andMuhammad 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
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 Nanindsih, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia  
Luqman Yudho Prakoso, Universitas Pertahanan Republik Indonesia, Bogor, Indonesia  
Ramdhan Razali, Almira Keumala uflah, IAIN Lhoksemawe,  
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  
Imra Dwiyantri, Nasrudin Nawawi and Umi Farida, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia  
Geminastiti Sakkir, Universitas Negeri Makassar, Indonesia  
Diah Yovita Surayini, 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 Mukawakungu, 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 Lorenzo Suherman, Albert Felix Jonathan, Dian Kumianingrum and Iston Dwiya Utama, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia  

ID 209  Disclosing the Impact of Millenial Attitude Toward Instagram Advertising on Their Attitude Toward Brand and Purchase Intention in Pandemic COVID-19  
Augustinus Setijanto, Mohammad Hamsal, Asnan Furintro 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  
Hasnin Tamsah, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia  
Kasmawati, Universitas Muhamadiyah Bone, Makassar, Indonesia  
Aco Lamama, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia  
Jumiaty Nuring, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia  
Hadiasmam 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 Aucachuausi, 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 |

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**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 Çavdarolu, Business Administration Department, Kadir Has University, İstanbul 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
Syahruddin, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Juwari, Universitas Balthapapa, Balthapapa, Indonesia
Uyrsradi Uyrsradi, Sekolah Tinggi Ilmu Administrasi Puanairmegglalung, Makassar, Indonesia
Ahansami 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
Muhammad 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
Um Farida, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Muhammad Natsir, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
M Awaluddin, Sekolah Tinggi Ilmu Administrasi Puanairmegglalung, Makassar, Indonesia
Irwan Rashid, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Jamaluddin Bata Ilhas, 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, Sabancı University, Istanbul 34956, Turkey

**ID 115**  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, Carpeidem Edpsych Consultancy, Mumbai, India

**ID 228**  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 679**  Sex Work and Women’s Lives in Southeast Asia: Indonesia Trend
Muhammad Ichsan Setiawan Narotama University Indonesia

**10:00 – 11:45 pm, MONDAY  Diversity and Inclusion / Women in Industry and Academia (WIIA) Virtual Room 2**

**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, Carpeidem 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
Varini Pura Damaiyanti, 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 Nabihla 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
Nuraini 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
Anggauimitranantantik 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
ID 512 Intuitionistic Fuzzy Marcos Method for the green supplier selection problem
Oumaima Zarhaoui, IA Laboratory, Faculty of Sciences Meiknes, Moulay Ismail University, Meiknes, Morocco
Kenza Ouflaika, 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 Meiknes, Moulay Ismail University, Meiknes, Morocco

ID 113 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, Sonipat, Haryana

ID 531 Relationship of supply chain integration and supply chain risk management among Malaysian Small and Medium Enterprises
Avlyn Jay Sumayang, Faculty of Technology Management and Business, University Technology Malaysia (UTM), Johor Bahru, Malaysia
Wan Nurul Karimah Wan Ahmad, Lecturer, Faculty of Technology Management and Business, University Technology Malaysia (UTM), 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.
Hardjianto 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

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
Ramneez 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
Syahruddin, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Misbahuddin, Sekolah Tinggi Ilmu Ekonomi AMKOP, Makassar, Indonesia
Firmansyah, Sekolah Tinggi Ilmu Administrasi Puangangmagalatung, 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 Iftikhar, Post-Doctoral Researcher, Department of Mechanical Engineering, University of Maryland, Baltimore County

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
Nasrudin Nasrani, 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

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**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  
Marlon Shomboing, Hatia Ridho and Heri Kusmanto, Doctoral Program in Development Studies, Faculty of Social and Polital, 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**  
Session Chair: Dr Santoso Wibowo, Central Queensland University and Dr Samrad Jafarian-Namin, University of Mohaghegh Ardebili, 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 Amat Gorontalo, Indonesia  
Nurul IIm Il 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, Soliliah Tilin Sumanti, Abdul Rasyid, Anang Anas Azhar and Syahrlul 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, Hasin Tamsah and Mislia, Magister Program, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia  
Misnawati, Sekolah Tinggi Ilmu Hukum Pengayoman, Indonesia  
Endang Haryanti and Rahma Afwina, Faculty of Psychology, Universitas Medan Area, North Sumatera, Indonesia

**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  
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  
Makayah and Mattalatta Mattalatta, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia  
Abdul Razak Murir, 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, Departement 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 Deviarti, 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  
Diaddra Pramudito, Novandra Rheeza Pratama and Rahmat Nurcahyo, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Kampus UI Depol, 16424, Indonesia

10:00 – 11:45 pm, MONDAY  
**BM**  
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
ID 227 Transnationalism of Sebatik Island Malaysia-Indonesia: A Regional Economic Integration Perspective
Sandy Nur Irfal 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
Tediany Dw 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 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 Bone, Makassar, Indonesia
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 536 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
### December 20 (TUESDAY) - Session: 8:00 – 9:45 am

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### December 20 (TUESDAY) - Session: 8:00 – 9:45 am

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**ID 489** Therapeutic Landscape and Its Impact on Restorative Experience and Health Perception

Ratna Roostika and Muafi, Senior Lecturer, Universitas Islam Indonesia, Indonesia

Tom 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

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First Australian Conference
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<td>Session Chair: Dr. Matthew Pepper, School of Business, Faculty of Business and Law, University of Wollongong NSW, Australia</td>
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<td>8:00 – 8:20 am, Tuesday, December 20, 2022</td>
<td>Dr. Dr. Ir. Meilita Tryana Sembiring, ST.MT. IPM Associate Professor Secretary of Magister Management Program Universitas Sumatera Utara Medan Indonesia</td>
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<td>8:20 – 8:40 am, Tuesday, December 20, 2022</td>
<td>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</td>
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<td>8:40 – 9:00 am, Tuesday, December 20, 2022</td>
<td>Dr. Russell Toth Senior Lecturer of Development Economist University of Sydney Sydney, NSW, Australia</td>
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<td>9:20 – 9:40 am, Tuesday, December 20, 2022</td>
<td>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”</td>
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<td>9:40 – 10:00 am, Tuesday, December 20, 2022</td>
<td>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</td>
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**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. Hämäläinen
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

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
Alidila 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 Zalzalah, Management Program, Economics Faculty, Universitas PGRI Yogyakarta
Sri Rejeki Eka Asati, Sekolah Tinggi Ilmu Manajemen YKPN Yogyakarta
Anis 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
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<td>Kyler Hewitt Sy, International School Manila, University Parkway, Fort Bonifacio Global City, Taguig, Philippines</td>
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<td>M. M. Manyuchi, Department of Operations and Quality Management, Faculty of Engineering and the Built Environment, University of Johannesburg, South Africa</td>
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<td>Young Generation’s Perception and Buying Reasons of Electric Bicycles</td>
<td>Chandra Soekardi, Mechanical Engineering Department, Mercu Buana University, Jakarta, Indonesia</td>
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<td>Young Generation’s Perception on Electric Car’s Design</td>
<td>Chandra Soekardi, Mechanical Engineering Department, Mercu Buana University, Jakarta, Indonesia</td>
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<td>A Comprehensive System Design for Palm Oil Supply Chain Network: A Case Study in Indonesia</td>
<td>Meliita Tryana Sembiring, Department of Industrial Engineering, Universitas Sumatera Utara (USU), Medan, Indonesia</td>
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<td>A Critical Review on Materials Used in Additive Manufacturing</td>
<td>M. B. Kiran, Department of Mechanical Engineering, School of Technology, Pandit Deendayal Energy University, Gandhinagar, Gujarat, India</td>
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<td>A review of Blockchain and Cryptocurrency in the South African Banking</td>
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<td>Comparative Study of Industry 4.0 Readiness Measurement Tools of Indonesian Company: INDI 4.0, IMPULS and SIRI</td>
<td>Siti Afiani Musyarofah, Department of Mechanical and Industrial Engineering, Universitas Gadjah Mada, Yogyakarta, Indonesia</td>
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<td>Different Types of 3D-Printers and their Variants – A Review paper</td>
<td>Raj Patil, Ravi Pranjapati, Kutik Soni, Mahin Patel and Dr. MB Kiran, School of Technology, Pandit Deendayal Petroleum University, Gandhinagar, Gujarat, India</td>
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<td>Empowering Digital Twin for Production Operations with Deep Learning: A Case Study</td>
<td>Dr. Carman K.M. Lee, Department of Industrial and Systems Engineering, The Hong Kong Polytechnic University, Hong Kong SAR, China</td>
</tr>
<tr>
<td>250</td>
<td>Industry Revolution 4.0: The Challenges in Oil and Gas industry in Saudi Arabia</td>
<td>Awsan Mohammed, Construction Engineering and Management Department, Interdisciplinary Research Center in Smart Mobility and Logistics; King Fahd University of Petroleum and Minerals, Dhahan 31261, Saudi Arabia</td>
</tr>
</tbody>
</table>

**2:00 – 3:45 pm, TUESDAY**

**Industry 4.0**

**Virtual Room 4**

Session Chair: Awsan Mohammed, King Fahd University of Petroleum and Minerals, Dhahan 31261, Saudi Arabia

**ID 575** A Critical Review on Materials Used in Additive Manufacturing

**ID 101** A review of Blockchain and Cryptocurrency in the South African Banking

**ID 213** Comparative Study of Industry 4.0 Readiness Measurement Tools of Indonesian Company: INDI 4.0, IMPULS and SIRI

**ID 554** Different Types of 3D-Printers and their Variants – A Review paper

**ID 238** Empowering Digital Twin for Production Operations with Deep Learning: A Case Study

**ID 272** Industry Revolution 4.0: The Challenges in Oil and Gas industry in 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-Modality in Understanding the Gender Role on E-waste Management

**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

Arvin Kester S. Ong, School of Industrial and Engineering Management, Mapua University, 658 Muralla St., Intramuros, Manila, Philippines

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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 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

**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

**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

**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

**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

**ID 436**  
The Contribution of Environmental Commitment on Business Sustainability, Circular Economy Implementation, and Competitive Advantage  
Muaf, Professor, Management Department, Universitas Islam Indonesia

**ID 436**

**ID 615**

**ID 484**

**ID 364**

**ID 599**

**December 20 (TUESDAY) - Session: 4:00 – 5:45 pm**

**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 Dhalan, 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, 10340Indonesia

ID 624 Lead Time Loading Dock Reduction in Refined Sugar Company for Continuous Improvement
Yaumil Khairoh 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
Hirotugu 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 Madushele, 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, Sonipat, 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

<table>
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<tr>
<th>ID 38</th>
<th>New Digital Culture Metaverse Preparation Digital Society for Virtual Ecosystem</th>
<th>Ferric Limano, Animation Program, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia</th>
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<tbody>
<tr>
<td>ID 330</td>
<td>The Challenge of Journalists in the Cyber Media Era on Maintaining Their Identity</td>
<td>Yauanurita Kusuma Pernama Sari, Muslikhin, Indra Prawira and Ebnu Yufriadi, Communication Science Department, Faculty of Digital Communication, Hotel and Tourism, Bina Nusantara University, Jakarta, Indonesia</td>
</tr>
<tr>
<td>ID 452</td>
<td>The Outcome of Quality Matrix in Malaysian Industry 4.0</td>
<td>Nur Arthirah Binti Mazlan, Research Scholar, Faculty of Technology Management and Technopreneurship, Universiti Teknikal Malaysia Melaka (UTeM), Melaka, Malaysia</td>
</tr>
<tr>
<td>ID 51</td>
<td>The Role and Impact of Value Chain on Sustainable Firm Performance: A Literature Review in High-Tech Industries</td>
<td>Almira Rahma Saphyra and Noeriina, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>ID 282</td>
<td>Failure Modes and Effects Analysis (FMEA) in Indonesia’s Construction Project through Lens of Improvement and Decision-Making Strategy</td>
<td>Kristian Edi Nugroho Soebandrija, Industrial Engineering Department, Bina Nusantara University, Jakarta, Indonesia</td>
</tr>
<tr>
<td>ID 547</td>
<td>A Review on Optimal Planning While Constructing EV Charging Stations</td>
<td>Dhannarajkumar Parghi, Mahak Pandya, Neelkumar Patel, Siddharth Nair and M.B. Kiran, School of Technology, Pandit Deendayal Energy University Gandhinagar, Gujarat, India</td>
</tr>
</tbody>
</table>

### 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

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<tr>
<th>ID 622</th>
<th>Acceptance Model to Use Household-Furniture of Scrap Wood Material</th>
<th>Azam Ibrahim Ghufran, Graduate Student, Faculty of Engineering, University of Indonesia, Depok city, West Java, Indonesia</th>
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</thead>
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<tr>
<td>ID 100</td>
<td>Decision support for SME entrepreneurs to become SME4.0</td>
<td>Kenza Berrada, Faculty of Sciences and Techniques, Sidi Mohamed Ben Abdellah University, B.P. 2202 - Imouzzer Road, Fez, Morocco</td>
</tr>
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<td>ID 306</td>
<td>Knowledge Management in Disaster Preparedness: An Analysis of 7.0 Magnitude Earthquake in 2022 Luzon Philippines</td>
<td>Ma. Teodora E. Gutierrez, Assistant Professor IV, Industrial Engineering Program, Technological Institute of the Philippines, Quezon City, Philippines</td>
</tr>
<tr>
<td>ID 455</td>
<td>Organizational Excellence and Agility: A Correlation Model</td>
<td>Karam Al-Assaf, Master’s of Science in Engineering Management, Rochester Institute of Technology, Dubai, UAE</td>
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<tr>
<td>ID 382</td>
<td>Emergency Medical Service Station Location-Allocation and Sizing Problem for Istanbul</td>
<td>Levent Eriskin and Mumtaz Karatas, Department of Industrial Engineering, National Defence University, Turkish Naval Academy, Istanbul, Turkey</td>
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<tr>
<td>ID 601</td>
<td>Spatial Analysis of Road Traffic Accidents Between Tunisian Regions</td>
<td>Ouni Fedy, Department of Transportation and Logistics, Higher Institute of Transport and Logistics of Sousse, University of Sousse, Tunisia</td>
</tr>
<tr>
<td>ID 424</td>
<td>The Effectiveness of Smart Transportation Systems in emerging economies: A Case of South Africa</td>
<td>Lawrance Seseni, Department of Business Management, School of Management, College of Business Management, University of Johannesburg Auckland Park, Johannesburg, South Africa</td>
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First Australian Conference
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, MMP 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 Build 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 – Onite Room 1

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

Prof. Dr. Ir. Wahyudi Sutopo
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

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<td>ID 629</td>
<td>Comparative Analysis of COVID-19 Infected Information Sites</td>
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<td>Adriano Zimmermann and Fábio Alexandrini, Catarinense Federal Institute of Education, Science and Technology</td>
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<td>Postgraduate Program in Engineering and Production, Federal University of Santa Catarina, Florianópolis, Santa Catarina Brazil</td>
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<td>Adriano Gomes de Freitas, Postgraduate Program in Energy, Federal University of ABC, Santo André, São Paulo, Brazil</td>
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<td>Lab for Simulation and Modelling of Particulate Systems (SIMPAS), Monash University, Clayton, Melbourne, Australia</td>
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| 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 Qinithara dan Muhammad Raff 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

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<th>2:00 – 3:45, WEDNESDAY</th>
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<th>Onsite Room 2</th>
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<tbody>
<tr>
<td>Session Chair: Sang Tran, Monash University, Melbourne, Victoria, Australia and Operational Excellence, STADA Group, Vietnam</td>
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</tbody>
</table>
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 Ihsasuziella 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 (BGMC)
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 Kairunnisa 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
Takaashi 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, Oonlya 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
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 Nethania Wagiman, Gisella Septi Aspasya and Levana Dhia Prawati, Accounting Department, 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 Transshipmen
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 Tunku 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 Shoefwan, 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 Nurnayati, 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
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 Researcher of Industrial Engineering and Techno-Economics Research Group
Industrial Engineering Dept.
Universitas Sebelas Maret (UNS), Surakarta, Indonesia

Industry Solutions II

Session Chair: Md Amin
4:00 pm – 4:20 pm (Wednesday, December 21)
Md Amin
Project Manager
Engineering Technical Services
Tritum
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)

Project Management

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 Hestrosari, Undergraduate Program of Industrial Engineering Study Program, Faculty of Engineering, Sebelas Maret University
Surakarta, Indonesia
Rethno 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 Asluti, 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
Dev Pratami, School of Industrial and Systems Engineering, Faculty of Industrial Engineering, Telkom University, Bandung, Indonesia
GN. Sandhy Widyasthana, 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
Pringsi 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 Febrlianda, Anggini Dinaseviiani and Andi Budiansyah, Researchers, National Research and Innovation Agency Republic of Indonesia, Jalan Gatot Subroto kav.10 South Jakarta, 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
Fakhriana 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 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 Syafiduni, 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
Fakhriana 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 Iqiqdani, 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 Pradham 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
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<td>Exploring Factors Delaying Public Service Delivery in South African Local Government</td>
<td>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</td>
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<td>Design Thinking for Sustainable Mascot Character Design</td>
<td>Ahmad Faisal Choiril Anam Fathoni, Animation Program, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>An Empirical Research on The Success of E-filing Tax Online Reporting During COVID-19 Pandemic in Indonesia</td>
<td>Adhitiya Pranoto, David, and Levana Dhia Prawati, Accounting Department, Faculty of Economics &amp; Communication, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Building a Readiness Model of Environmentally Friendly Information Technology as Implementation of Green Information Technology Concept</td>
<td>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</td>
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<td>Ensemble Classifier with Missing Data in Control Chart Patterns</td>
<td>Waseem Alwan, Nor Hasrul Akmal 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</td>
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<td>A Review on Usage of Fractals for The Quantification of Nonlinear Turbulence Features in Bearings</td>
<td>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</td>
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<td>Application of Sacrificial Anode Cathodic Protection of an underground natural gas pipeline using COMSOL Multiphysics</td>
<td>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</td>
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### December 22 (THURSDAY)

#### Technical Presentation Onsite VII

8:00 – 9:45 am, THURSDAY

**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

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<td>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</td>
<td>Dr. Abdullah M. Alharbi, Assistant Professor, University of Jeddah, College of Engineering, Department of Industrial and Systems Engineering, Jeddah, Saudi Arabia</td>
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<td>686</td>
<td>Application of Sacrificial Anode Cathodic Protection of an underground natural gas pipeline using COMSOL Multiphysics</td>
<td>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</td>
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</table>
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
Nhlanjanipho 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 Identifiying Success Factors for Effective Capital Structure in Infrastructure Projects under Public-Private Partnership
Muhammad Fauzan, Heri Kuswanto and Christiono Utomo, Interdiciplinary 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)

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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 Yehezkiel Irwandi, Department of Industrial Engineering, Universitas Tarumanagara, Jakarta, Indonesia

ID 642  Relocation activities for the development of competitiveness and employment situations
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)
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

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 Tunung Link, Gadong, Brunei Darussalam

ID 251  Maintenance Management within Construction Companies Case Study of ACOSCO Ltd.
Khanfri Nor El Houda, 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 Akilimalissiga, 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
Sambit Mukawaguri, 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,
IEOM Sydney Conference  
PARALLEL SESSIONS  
December 20-22, 2022

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-Rizquana, 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

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 OUIINA (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

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| 4:00 pm – 4:20 pm | Dr. Ir. Muhammad Hisjam, STP, MT  
Head of Logistics and Business System Laboratory  
Universitas Sebelas Maret, Surakarta, Indonesia |
| 4:20 pm – 4:40 pm | 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 | Michael Huang  
Chief Operating Officer  
Natural Solar  
Sydney, Australia |
| 5:00 pm – 5:20 pm |  |
| 5:20 pm – 5:40 pm |  |

### 4:00 – 5:45, THURSDAY  
**Energy**  
Virtual Room 3

**Session Chair:** Stavros Gennitsaris, Department of Industrial Management & Technology, University of Piraeus, Piraeus, Greece

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<td>Raynaldi P. Aulia and Evi Steelyana W, Accounting Department, School of Accounting, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Leher Farooq and Al-Hasna Ghazi, Department of Chemical &amp; Petroleum Engineering, United Arab Emirates University, United Arab Emirates</td>
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| 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 |
| 375 | Energy and Exergy Analysis of A Solar Dish-Stirling Engine Driven A Desalination System                             | Renewable Energy Md Emon Hossain UNIVERSITY TECHNOLOGY MALAYSIA, Malaysia |
| 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 |
| 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  
Retro 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 |
| 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

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| 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 |
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
Foud 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. Kalirungan km 14.4, Sleman, Yogyakarta, Indonesia
Winda Nur Cahyo, Department of Industrial Engineering, Universitas Islam Indonesia, Jl. Kalirungan 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**
Ipfi Nemudzivhadi, Lecturer, School of Mechanical Engineering, University Johannesburg, Doornfontein Campus, Johannesburg, South Africa

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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, Matlabat Attalatta and Purnomo Purnomo, Sekolah Tinggi Ilmu Ekonomi AMKOP Makassar, Indonesia
Febi Triadi, Sekolah Tinggi Ilmu Administrasi Puangrimagalatung, 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 Pujianto, 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
December 22 (THURSDAY) - Session: 8:00 – 10:00 pm
Conference Dinner - Awards Ceremony
Onsite Room 1
<table>
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<th>Country</th>
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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

Industrial Engineering and Operations Management Society International
IEOM Society International
21411 Civic Center Dr., Suite 205, Southfield, Michigan 48076, USA, www.ieomsociety.org