3rd South American International Conference on Industrial Engineering and Operations Management

Assunción, Paraguay

July 19-21, 2022
Sponsors and Partners

Organizer

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 3rd South American Conference on Industrial Engineering and Operations Management in Paraguay

To All-Conference Attendees:

On behalf of the IEOM Society International, we would like to welcome you to the 3rd South American International Conference on Industrial Engineering and Operations Management, July 18-21, 2022, hosted by Asuncion National University, Paraguay. The venue is Holiday Inn & Suites Across from Universal Orlando. 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 450 papers/abstracts submitted from 35 countries. After a thorough peer-review process, more than 320 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 at the 3rd South American Conference:

1. Mr. Sumihiro Takaoka, President, Sumi S.A. President, Japan Paraguay Chamber of Commerce
2. Dr. Heriberto Garcia-Reyes, PhD, Regional Chairman, Industrial Engineering Department, Tecnologico de Monterrey, Monterrey, Mexico
3. Professor Duc Truong Pham, Chance Professor of Engineering, Director of Research, Department of Mechanical Engineering, University of Birmingham, Birmingham B15 2TT United Kingdom
4. Dr. Sérgio Shimura, Federal Institute of Education, Science and Technology of São Paulo, Brazil
5. Claudio Vierci, Director-Presidente, Vierci Development, Paraguay
6. Dr. Clinton AIGBAVBOA, Professor, Department of Construction Management and Quantity Surveying, University of Johannesburg, South Africa
7. Jill Hosmer- Jolley PhD, MBA, Neurodiversity Accessibility Consultant, MBA Faculty, California State University, Monterey Bay, Management coaching, DEI. CSR. HR. OB., Monterey, California, USA
8. Alfred Fast, CEO, Fecoprod Ltda. and President, El Instituto de Biotecnologia Agricola (INBIO), Asuncion Paraguay
9. Marco Carvalho, CEO, Matza Education, Sao Paulo (SP), Brazil
10. Prof. Samuel Wiens Bartel, Profesor, Universitario para Liderazgo y Desarrollo Personal, Paraguay
11. Dr. Mario Chauca, Professor, Ricardo Palma University, Santiago de Surco, Peru
12. Prof. Dr. Marcelo Castier, Dean of the Faculty of Engineering Sciences, UPA – Universidad Paraguayo Alemana / German Paraguayan University, San Lorenzo, Paraguay
13. Michel Baudin, Owner, Takt Times Group, Co-founder, Grokcit, Inc., Palo Alto, California, United States

At this conference, the IEOM Society will hold its 31st Global Engineering Education session. It will feature distinguished speakers who will discuss workforce readiness and engineering education challenges and opportunities. The 30th IEOM Industry Solutions will showcase will also be held and feature major topics including IoT, AI, data analytics, iCloud, cybersecurity, automation, digital manufacturing, MSV, and industry best practices. The 10th IEOM Global Supply Chain and Logistics will address the global logistic challenges due to the pandemic. The first 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 conference host, Asuncion National University, Paraguay, would like to extend a warm welcome to all participants.

Our very best wishes to all of you for a successful and memorable event.
Conference Overall Program

Day 1 – July 18 (Tuesday)
Competitions and Technical Presentations – Rooms 1-5

Day 2 – July 19 (Tuesday)
6:00 – 7:45 am Technical Parallel Sessions – Rooms 1-5
8:00 -9:30 am – Plenary, Global Engineering Education and Parallel Sessions – Rooms 1-5
9:30 - 10:00 am - Break
10:00 - 10:20 am - Welcome Address:
10:20 -11:00 am - Keynote Speaker I: (Opening Keynote): Mr. Sumihiro Takaoka, President, Sumi S.A. President, Japan Paraguay Chamber of Commerce - Room 1
11:00 - 11:40 am - Keynote Speaker II: Dr. Heriberto García-Reyes, PhD, Regional Chairman, Industrial Engineering Department, Tecnologico de Monterrey, Monterrey, Mexico -Room 1
11:40 am -12:20 pm -Keynote Speaker III: Professor Duc Truong Pham, Chance Professor of Engineering, Director of Research, Department of Mechanical Engineering, University of Birmingham, Birmingham B15 2TT United Kingdom - (Room 1)
12:20 - 12:40 pm - Keynote Speaker IV: Dr. Sérgio Shimura, Federal Institute of Education, Science and Technology of São Paulo, Brazil - (Room 1)
1:00 - 2:00 pm - Lunch
2:00 - 3:45 pm - Global Engineering Education, WIIA Panel and Technical Parallel Session
4:00 - 5:45 pm - Global Engineering Education Panel and Technical Parallel Session

Day 3 – July 20 (Wednesday)
6:00 – 7:45 am Technical Parallel Sessions – Rooms 1-5
8:00 -9:30 am - Industry Solutions and Parallel Sessions
9:30 - 10:00 am - Break
10:00 - 10:20 am - Conference Chairs Remarks
10:20 -11:00 am - Keynote Speaker V: Claudio Vierci, Director-Presidente, Vierci Development, Paraguay- (Room 1)
11:00 - 11:40 am - Keynote Speaker VI: Dr. Clinton AIGBAVBOA, Professor, Department of Construction Management and Quantity Surveying, University of Johannesburg, South Africa-Room 1
11:40 - 12:20 pm - Keynote Speaker VI: Jill Hosmer- Jolley PhD, MBA, Neurodiversity Accessibility Consultant, MBA Faculty, California State University, Monterey Bay, Management coaching. DEI. CSR. HR. OB., Monterey, California, USA- (Room 1)
12:20 - 1:00 pm - Keynote Speaker VIII: Alfred Fast, CEO, Fecoprod Ltda. and President, El Instituto de Biotecnología Agrícola (INBIO), Asuncion Paraguay- (Room 1)
1:00 - 2:00 pm - Lunch
2:00 - 3:45 pm - Industry Solutions and Technical Parallel Sessions
4:00 - 5:45 pm - Industry Solutions Panel and Technical Parallel Sessions
6:00 - 8:30 pm - Diversity and Inclusion Panel sponsored by Ford Motor Company

Day 4 – July 21 (Thursday)
6:00 – 7:45 am Technical Parallel Sessions – Rooms 1-5
8:00 -9:30 am - GSCM and Parallel Sessions
9:30 - 10:00 am - Break
10:00 - 10:20 am - Conference Chairs Remarks
10:20 -11:00 am - Keynote Speaker IX: Marco Carvalho, CEO, Matza Education, São Paulo (SP), Brazil - Room 1
11:00 - 11:40 am - Keynote Speaker X: Prof. Samuel Wiens Bartel, Profesor, Universitario para Liderazgo y Desarrollo Personal, Paraguay - Room 1
11:40 am - 12:20 pm -Keynote Speaker XI: Dr. Mario Chauca, Professor, Ricardo Palma University, Santiago de Surco, Peru - (Room 1)
12:20 - 1:00 pm - Keynote Speaker XII: Prof. Dr. Marcelo Castier, Dean of the Faculty of Engineering Sciences, UPA – Universidad Paraguaya Alemana / German Paraguayan University, San Lorenzo, Paraguay - (Room 1)
1:00 – 1:30 pm Keynote XIII: Michel Baudin, Owner, Takt Times Group, Co-founder, Grokcity, Inc., Palo Alto, California, United States
1:00 - 2:00 pm - Lunch
2:00 - 3:45 pm - GSCM and Technical Parallel Sessions
4:00 - 5:45 pm - GSCM Panel, GBME and Technical Parallel Session
7:00 - 9:00 pm - Conference Virtual Awards Ceremony
Keynote Speakers – Room 1

Tuesday, July 19, 2022

Opening Ceremony: Tuesday, 9:30 – 10:00 am

Welcome Address: Tuesday, 10:30 – 10:20 am

Host University President

Opening Keynote I: Tuesday, 10:20 – 11:10 am

Mr. Sumihiro Takaoka
President
Sumi S.A. President
Japan Paraguay Chamber of Commerce

Keynote II: Tuesday, 11:00 – 11:40 am

Heriberto García-Reyes, PhD
Regional Chairman
Industrial Engineering Department
Tecnologico de Monterrey
Monterrey, Mexico

Dr. Heriberto García-Reyes is a professor and Regional Chairman of the Industrial Engineering Department. He has been a faculty member at Tecnologico de Monterrey, since 1998. He conducts research about the analysis, design, and improvement of supply chain and production systems that involve the integration of technology, people, and processes. He has published in conferences such as IERC, ISERC, Winter Simulation Conference and ASEE annual conference among others. He has successfully completed projects for several enterprises in Mexico such as Nemak, Tubacero, Cemex, Sigma Alimentos, State Government, Gruma, Vitro, Coca-Cola and Sisamex among others. He is coauthor of a book entitled Simulación y Análisis de Sistemas con ProModel and has several technical articles in journals and conferences describing his research accomplishments. Regarding the service to the academia he collaborates as co-chair for the Latin American tack in the IERC 2010 and 2011, also as reviewer for the Journal of Supply Chain Management: an International Journal, Journal of Production Economics and Estudios Gerenciales Journal of Management and Economics for Iberoamerica. He is a member of the technical committee for the CENEVAL exam and member of the industrial engineering technical commission of CACEI.

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

Professor Duc Truong Pham
Chance Professor of Engineering
Director of Research
Department of Mechanical Engineering
School of Engineering
College of Engineering and Physical Sciences
The University of Birmingham
Birmingham B15 2TT United Kingdom

Duc Truong Pham’s research covers the fields of mechanical, manufacturing, computer and systems engineering. His academic output includes more than 600 technical papers and 17 books. He has supervised over 100 PhD theses to completion. He has won in excess of £30M in external research grants and contracts. In addition to pursuing and leading research, he has acted as a consultant to several major companies and has been active with knowledge transfer to industry, applying the results of his work to help multinational companies and SMEs generate wealth and create and safeguard jobs.

He has lectured extensively abroad on his research and has delivered more than fifty keynote presentations at international conferences. He was Professeur Invité at École Centrale de Paris, Consulting Professor at HUST (China), Enskine Visiting Fellow at the University of Canterbury (New Zealand), Visiting Professor at the Université Paul Verlaine (France), Visiting Professor at King Saud University (Saudi Arabia), Strategic Scientist at Wuhan University of Technology and Honorary Professor at Xi’an Jiaotong University (China).
He has received several prizes including the Sir Joseph Whitworth prize from the Institution of Mechanical Engineers in 1996 and 2000 and the Institution's Thomas Stephens Group Prize in 2001 and 2003 and Donald Julius Groen Prize in 2004, and the 5th ICMR Best Paper Prize in 2007. He is also a recipient of a Lifetime Achievement Award (2016, World Automation Congress) and a Distinguished International Academic Contribution Award (IEEE SMC Society TC on Enterprise Info Sys and IFIP TC8 WG8.9, 2017).

He is a Fellow of the Royal Academy of Engineering, Learned Society of Wales, Society of Manufacturing Engineers, Institution of Engineering and Technology, and Institution of Mechanical Engineers. He was made an OBE in the 2003 New Year's Honours List for his services to Engineering.

Keynote IV: Tuesday, 12:20 – 1:00 pm

Dr. Sérgio Shimura
Electronics and Automation Professor
Instituto Federal Sao Paulo
Brazil

S. Shimura is an Electronic Engineer from University of Sao Paulo. He holds Doctoral and Msc. Degrees in Electronics Systems and Power Systems respectively from the same institution. He is also Reliasoft’s Certified Reliability Professional. He is currently professor at Federal Institute of Sao Paulo (IFSP) teaching electronics and automation and Research and Innovation Coordinator at Sorocaba Campus. His research interests include Artificial Intelligence, IoT and Embedded Systems.

Wednesday, July 20

10:00 – 10:20 am Conference Chair Remarks

Keynote V: Wednesday, 10:20 – 11:00 am

Claudio Vierci
Director-Presidente
Vierci Development
Paraguay

Keynote VI: Wednesday, 11:00 – 11:40 am

Dr. Clinton AIGBAVBOA
Professor
Department of Construction Management and Quantity Surveying
University of Johannesburg
South Africa

Clinton AIGBAVBOA is a Professor at the Department of Construction Management and Quantity Surveying, University of Johannesburg, South Africa. Prof. Aigbavboa is the Immediate past Vice Dean of the Faculty of Engineering and Built Environment, University of Johannesburg, South Africa. He has extensive knowledge in practice, research, training and teaching. He is currently the Director of the Construction Industry Development Board Centre of Excellence and the Sustainable Human Settlement and Construction Research Centre at the University of Johannesburg. Prof Aigbavboa has authored and co-authored more than 600 accredited journal articles, conference papers, and book chapters. He is also an author of twelve research books that were published with Springer Nature and CRC Press. Prof Aigbavboa is currently a visiting professor in the School of Civil Engineering of the Shandong University, China, visiting professor, in the Department of Civil Engineering of the University of Nigeria, Nsukka and an International Visiting scholar in the Department of Architecture of the Covenant University, Nigeria. He is also the editor of the Journal of Construction Project Management and Innovation (accredited by the DoHET) and has received national and international recognition in his field of research. He is rated by the South Africa National Research Foundation.
Keynote VII: Wednesday, 11:40 am – 12:20 pm

Jill Hosmer- Jolley PhD, MBA  
Neurodiversity Accessibility Consultant  
MBA Faculty, California State University, Monterey Bay  
Management coaching. DEI. CSR. HR. OB.  
Monterey, California, USA

JILL HOSMER-JOLLEY, MBA, Ph.D., works with organizations to improve outcomes by embracing the strengths of neurodiverse employees, such as creativity and innovation, through improved management practices customized for situational opportunities and structure. Human resources, diversity, inclusion, and neurodiversity are key areas of her research and consulting practice. Previous experience includes 20 years in financial services at Merrill Lynch and Charles Schwab, as a broker in Sunnyvale as well as a regional director for the New England area, managing sales, training, customer service, operations, and people, as well as culture change and career development. Dr. Hosmer-Jolley has 15 excellent years of university teaching and research (Cal State, Rice University, University of California and Yale). In 2008, she began to teach at the university level, focusing on management, human resources, organizational behavior, ethics, and communication. She also works as a technology mentor assisting faculty with online teaching, course development, and integrating technology for student success.

Hosmer-Jolley earned a master’s in Business Administration from Simmons College in Boston and a doctorate in Business Administration–Management from Northcentral University in San Diego.

Keynote VIII: Wednesday, July 20, 12:20 – 1:00 pm

Alfred Fast  
CEO, Fecoprod Ltda.  
President, El Instituto de Biotecnología Agrícola (INBIO)  
Asuncion Paraguay

Thursday, July 21

10:00 – 10:20 am Conference Chair Remarks

Keynote IX: Thursday, 10:20 – 11:00 am

Marco Carvalho  
CEO  
Matza Education  
São Paulo (SP), Brazil

Keynote X: Thursday, 11:00 – 11:40 am

Prof. Samuel Wiens Bartel  
Profesor  
Universitario para Liderazgo y Desarrollo Personal  
Paraguay
Keynote XI: Thursday, 11:40 am – 12:20 pm

**Dr. Mario Chauca**  
Professor  
Ricardo Palma University  
Santiago de Surco  
Peru

Dr. Mario Chauca is a professor at Ricardo Palma University, Santiago de Surco, Peru. He teaches at the postgraduate and undergraduate level, with 30 years of experience. He graduated as an Electronic Engineer from Ricardo Palma University in Lima, Peru, obtained his Master’s Degree in Business Administration with a mention in "Business Management" and his Doctorate in Education from San Luis Gonzaga National University.

Dr. Chauca is an Executive Committee Member of IFEES and was a Director of the AOTS-Kenshu Kiokay-Peru (2010-2014), member of the technical committees since 2010, invited by the University of Washington IEEE, in 2010 joined the Steering Committee of the IEEE-MWSCAS, and has participated in more than 30 committees in the European Union, Asia, Africa, America, and Australia.

Dr. Chauca was participant as speaker and Chair Session at WEE2019-Chennai (India), IEM2019-Toronto (Canada), WEEF2018-Albuquerque (USA), ICIMA2018-Penang (Malaysia), WEEF2017-Kuala Lumpur (Malaysia), CONeGOV2016-Florianopolis (Brazil), ISIT2014,17-Guanajuato (Mexico), MWSCAS2010-Washington (USA), JAIIO2009-Mar del Plata (Argentina), CONIELECOMP2007,9,10-Puebla (Mexico), SIE2004-Santa Clara (Cuba). He obtained a scholarship from the NIPA and Ministry of Science, ICT and Planning of the Future of Korea Seoul (Korea). He is a Consultant in Information and Communication Technologies, he was consultant in the project of United Nations-Inter-American Development Bank-Congress of the Republic of Peru and the Ministry of the Interior of Peru. He is a researcher by RENACYT-CONCYTEC in the Peruvian Government, adviser first award paper CONEIMERA2018, adviser of the First General Award Project for more than 5000 projects in the contest from the Romero Group, adviser for first projects in congress INTERCON, CONEIMERA, and was nominated for the Graña y Montero Prize for Research in Peruvian Engineering. Nominated Peruvian Research Southern Prize 2019 and nominated research award 2018 MEXICO.

As author and advisor of papers he has more than 50 letters of acceptance, served organizer of international academic events, editor of proceedings, and advisor to the IEEE chapters at the National University of Callao and the Ricardo Palma University.

Keynote XII: Thursday, July 21, 12:20 – 1:00 pm

**Prof. Dr. Marcelo Castier**  
Dean of the Faculty of Engineering Sciences  
UPA – Universidad Paraguayo Alemana / German Paraguayan University  
San Lorenzo, Paraguay

Keynote XII: Thursday, July 21, 1:00 – 1:30 pm

**Michel Baudin**  
Owner, Takt Times Group  
Co-founder, Grokcity, Inc.  
Palo Alto, California  
United States

Michel Baudin is an engineer, author, and consultant who graduated from Mines-ParisTech in 1977. His career has taken him from France to Japan, Germany, and finally to the US, where he lives in Palo Alto, California. Michel has taught courses in-house for clients, UC Berkeley, the University of Dayton, the Hong Kong Productivity Council, the University of Buckingham, and training companies in multiple countries.

He has authored four books – Manufacturing Systems Analysis (1990), Lean Assembly (2002), Lean Logistics (2005), and Working with Machines (2007) – and written in refereed journals, professional magazines, and conference proceedings.
Plenary Speakers

Plenary I
Tuesday, July 19, 8:00 – 9:30 am – Room 1
Session Chair: Anicia Peters, PhD

8:00 – 8:30 am (Tuesday, July 19)

Anicia Peters, PhD
Pro-Vice Chancellor: Research, Innovation and Development, University of Namibia
Chairperson: Namibia Presidential Task Force on the Fourth Industrial Revolution
Deputy Chairperson: Namibia Qualifications Authority (Namibia)
Council member: National Council for Higher Education in Namibia
President: Windhoek ACM SIGCHI local chapter

Anicia Peters is the Pro-Vice Chancellor for Research, Innovation and Development and an Associate Professor of Human Computer Interaction at the University of Namibia. She was also appointed in July 2021 by the President of Namibia as the Chairperson of the 4IR Task Force and has to complete a country assessment and organize the National AI Conference in early 2022. Anicia is further the Technical Programme Committee Chair for ACM CHI 2023 and case studies co-chair for ACM CHI conference 2022. She worked previously at Intuit and Oregon State University in the United States and pursed her PhD at Iowa State University. She was formerly the Executive Dean for the Faculty of Computing and Informatics at the Namibia University of Science and Technology. She is the co-founder of the AfriCHI conference series (Africa Human Computer Systems Conference) and also a co-inventor of the GenderMag method which detects gender inclusiveness issues in software design/development. In June 2021, she initiated an AI Agriculture Start-Up incubation programme at the University of Namibia. She also implemented the Namibia-India Centre of Excellence in IT focusing on Cybersecurity and Big Data and expanding to AI and co-established an Inclusive Collaborative Tech Innovation Hub. Anicia has received a number of accolades for her work in research and social justice. She established 6 student organisations in the United States and in 2015, she received a Presidential White House Award as co-founder of the ISU Womyn of Colour Network. She further received among others research merit awards from Boeing, Iowa State University and the Rector’s medal at the Namibia University of Science and Technology; is one of 10 female African rolemodels for Information Technology; received a Next Einstein Advancing Women in STEM award; 2022 IEOM Distinguished Educator award; was a Google scholar and received a 2020 Google AI Inclusion Research Award. In 2019, she was selected as the UNESCO Chair for Gender and Digital Technologies but relinquished it when she left the Namibia University of Science and Technology. Her research focus is social computing, gamification, e-participation such as digital health, gender and e-government. Anicia published over 80 articles.

8:30 – 9:00 am (Tuesday, July 19)

Dr. Boris Herbas-Torrico
Full Time Professor
Universidad Catolica Boliviana San Pablo Regional Cochabamba
Cercado, Cochabamba, Bolivia

Boris Christian Herbas-Torrico is a professor of industrial engineering at the Bolivian Catholic University in Cochabamba, Bolivia. He is also a researcher at the Exact Sciences and Engineering Research Center (CICEI). He earned his B.S. in Industrial Engineering from the University Mayor of San Simon in Bolivia. In 2007 he was awarded the Monbukagakusho Scholarship from the Japanese Ministry of Education, Culture, Sports, Science, and Technology to graduate studies in Japan. He received a master's and doctoral degree in industrial engineering and management from the Tokyo Institute of Technology (Japan). He has published journal and conference articles in the U.S. Japan, Europe, and South America. He received the 2012 Research Award from the Japanese Society for Quality Control. Additionally, in 2013 he was awarded the Nikkei Quality Control Literature Prize (Nikkei Keizai Shimbun). Moreover, in 2018, the Bolivian Senate recognized his science and technology contributions to the country. In 2019 he was a visiting researcher at Waseda University (Japan). In 2021 he received the IEOM Society's "Outstanding Professor Award." He has written two books and is an editorial board member for journals and conferences in Bolivia and abroad. His research interests are in the fields of marketing research, consumer behavior, and sustainability.

9:00 – 9:30 am (Tuesday, July 19)

Joseph Akyeampong, PhD
Human Factors Engineering Consultant
Amgen
Fort Lauderdale, Florida, United States

Dr. Joseph Akyeampong is a creative Industrial & Systems engineer who currently works as Human Factors Engineering consultant at Amgen. He has spent his career applying his Human Factors expertise on the development of safe and effective biopharmaceutical combination products (at Amgen), medical devices (at Medtronic and Stryker), and nuclear power plant control rooms (at General Electric and Westinghouse). Notable projects he has worked on include: Amgen combination products including prefilled syringes and autoinjectors; the Stryker Mako robot for orthopedic/joint replacement surgeries; various Medtronic programmable neuromodulation systems; the Westinghouse AP1000; and the GE-Hitachi Economic Simplified Boiling Water Reactor (ESBWR). Dr. Akyeampong received his PhD in Industrial & Systems Engineering from North Carolina A&T State University (USA) and a Bachelor’s in Mechanical Engineering from Kwame Nkrumah University of Science and Technology (Ghana). Dr. Akyeampong is passionate about human factors engineering and technological innovations in general, with strong interests in healthcare.
4:00 - 4:30 pm (Tuesday, July 19)

**Dr. Nubia Velasco**  
Associate professor  
Universidad de los Andes  
Bogota, Colombia

4:30 - 5:00 pm (Tuesday, July 19)

**Dr. Piera Centobelli**  
Professor of Business Economics and Organization  
Università degli Studi di Napoli Federico II  
Naples, Italy

5:00 - 5:30 pm (Tuesday, July 19)

8:00 am – 8:30 am (Wednesday, July 20)

**Rodolfo Sabonge**  
Secretario General  
Asociación de Estados del Caribe  
Trinidad and Tobago

8:30 am – 9:00 am (Wednesday, July 20)

**Victoria Canela**  
Workcell Manager  
Jabil Healthcare  
Santo Domingo, Distrito Nacional, Dominican Republic

Victoria Canela is an Industrial Engineer Graduated (Summa Cum Laude) from the Technological Institute of Santo Domingo (INTEC), with a master’s degree on Business Management and Productivity form APEC University.  
Also, she is recognized by the American Society of Quality as a Certified Quality Engineer. She holds a Green Belt, a Silver Lean Master certification. In addition, Mrs. Canela is certified as a Bullet Proof Manager form Crestcom International.  
Victoria has been working on the Medical Devices regulatory Industry for over 10 years, with combine experience on Engineering, Manufacturing operations, Lean Six Sigma and Quality, to achieve the startup of several Manufacturing plans, with New Product Introduction, Machine and Line Transfers and Manufacturing process design using LSS tools and Quality Principles.  
She is specialized on Quality Engineering, test method design, validation process and Risk Management. Working for the top companies in the Medical Devices industry, Mrs. Canela coach and lead several teams in achieving more than US$10MM in savings form several lean initiatives and the reduction of Complaint levels by the implementation of End To End complaint analysis processes.  
Victoria is currently the works for one of the Largest Medical Devices contract manufacturers in the world. She is also a part time professor for Technological Institute of Santo Domingo (INTEC), for Materials Science and Engineering for the Engineering Department. In addition, Mrs. Canela is a Consultant for Quality Systems Implementation, LSS and Productivity.

9:00 am – 9:30 am (Wednesday, July 20)
Dave Harry
Black Belt Trainer / Kata Coach
President & CEO
Process Whisperer® Consultants LLC
Greeneville, TN, USA

David Harry, a.k.a. “The Process Whisperer®”, has more than 30 years’ experience as a project manager, business process improvement instructor and expert problem solver. Following a successful military career as a Naval Aviator, Dave taught Lean and Six Sigma “Belts” and project management classes for various companies including KPMG Consulting, Northrop Grumman, Rolls-Royce Energy, Arconic, and the University of Tennessee Knoxville. An Expert Trainer at Northrop Grumman, he was Manager of Continuous Improvement at Rolls-Royce Energy and has been involved with manufacturing and logistics Lean Six Sigma programs across several industries. He has served on leadership boards of the American Society for Quality and the Institute of Industrial Systems Engineers and the OpEx Society. He has been awarded three Masters-level degrees in management, including from the University of Southern California and the University of Chennai (India). His certifications include PMI Project Management Professional, ASQ Six Sigma Black Belt, Lean Bronze Certification from the SME/Shingo/AME Alliance, Agile Certified Scrum Master and a Certified Baseline Project Management Office (CB-PMO) Consultant. He is a recognized Toyota Kata “Geek” and has attended and presented at several IEOM conferences.

Plenary IV
July 21, Thursday, 8:00 – 9:30 am – Room 1
Session Chair: Steven Sibrel

Dr. Haree Ramasawmy, RPEM, CEng MIMechE
Associate Professor
University of Mauritius
Réduit, Moka, Mauritius

8:00 – 8:30 am (Thursday, July 21)

Dr. Christopher Harris
Associate Professor of Computer Science
University of Northern Colorado
Greeley, Colorado, United States

Dr. Christopher Harris is an Associate Professor of Computer Science in the School of Mathematical Science at the University of Northern Colorado. Previously, he taught at the State University of New York in Oswego and has nearly 20 years of work experience as a technical strategist at companies including the World Bank, Northrop Grumman, Ratheon, E! Entertainment Television, and AT Kearney. He served as the General Manager at Advisa Group, a technology consultancy based in Beijing, China. Professor Harris received his PhD in Information Science at the University of Iowa, an MBA from the Anderson Graduate School of Management at UCLA, his Masters in Computer Science from Virginia Tech, and his Bachelor’s in Computer Engineering from the University of South Florida. Professor Harris’ research areas include applying machine learning and artificial intelligence to business, agriculture, human resources, and manufacturing, ensuring fairness in machine learning algorithms, and applications involving blockchain and smart contracts.

9:00 – 9:30 am (Thursday, July 21)

9:30 – 10:00 am (Thursday, July 21)
Dr. Sergio Salimbeni, Eng, MBA, PhD  
Professor & Researcher – Industrial and Management Engineering – Industry 4.0 – Quality 4.0 – PLM4.0  
Universidad del Salvador  
Buenos Aires, Argentina

Sergio Salimbeni has more than 17 years as Professor and Researcher in Industrial Engineering and Management Sciences at USAL – Universidad del Salvador – Argentina. His research on Industry 4.0 focuses on Quality 4.0 and Smart Products, both in the preparation of human resources and migration to digitalization in manufacturing and service industries. Director of Industry4.0 and Product Development MBA course. He is an Electronic Engineer, with a MBA and PhD in Business Administration, and doctoral candidate for the Industrial Engineering. He has published several articles related to Industry 4.0 maturity models and entry barriers, Simulation, Digital Twins, Digitalisation and Smart Products. He has more than 20 years working on Strategic Management, Quality Management, Business and Product Development, Project Management and Business Process Management, mainly in information and communication technologies, and electronics industries.
Panel Sessions

Electromobility Panel
July 19, 2022, 2:00 – 3:45 pm
Organized by: RELIEVE (Red Latinoamericana de Investigación en Energía y Vehículos) Latinoamerican Research Network in Energy and Vehicles

Moderator

Dr. Nicolas Giraldo-Peralta
Universidad Antonio Nariño
Bogota, Colombia

Mechanical Engineer, M.Sc., Ph.D. in Engineering Sciences (D.Sc.) from Tecnológico de Monterrey – México with a Diploma in Logistics and Supply Chain (MIT GCLOG), 2016, Massachusetts Institute of Technology – MIT – Cambridge, USA. He has participated in scientific research projects on topics such as thermodynamics, fuels, combustion, logistics, and corrosion. Involved in accreditation and administrative processes of engineering programs. He has experience in management, technical advice, and consulting in energy, transportation, vehicles, supply chain, and logistics for public and private entities in Colombia. Advisor to international consulting entities such as GIZ and Atheneum.

Panelists

Manolín Alcazar, MSc
Ph.D. Candidate
Universidad de Málaga
de Cervantes, 2, 29016 Málaga, Spain

Title: Motostudent Competition: No fear, race your talent

Manuel Alcázar Vargas received the B.S. degree in mechanical engineering and the M.S. degree in industrial engineering from the University of Jaén, Spain. He is currently pursuing the Ph.D. degree in mechanical engineering with the University of Malaga. He is currently a Researcher of mechanical engineering with the University of Malaga.

His research interests include electric vehicles, moto-student formula, and tire dynamics.

Dr. Daniel Guillermo Cordero Moreno
Research professor
Faculty of Science and Technology
ERGON -Center for Research and Development in Automotive Engineering
University del Azuay
Ecuador

Title: Efficiency tests of electric vehicles in chassis dynamometer

Automotive Mechanics Engineer from the University of Azuay (2007) and Doctor of Engineering Sciences from the Tecnologico de Monterrey (2015). He is currently a professor at the University of Azuay and a member of ERGON, Center for Research and Development in Automotive Engineering. Undergraduate and graduate professor. Work areas: Energy configuration in vehicles, driving cycles, vehicle characterization, vehicle homologation processes.

Dr. Nelson Arzola de la Pena
Full Professor
Faculty of Engineering
Universidad Nacional de Colombia
Bogotá Campus

Title: Experiences in the 2nd National Electric Traction Vehicle Competition

Full Professor of the Department of Mechanical and Mechatronics Engineering of the National University of Colombia (2005 – to date). Coordinator of the Undergraduate Program in Mechanical Engineering (2021 – ). Coordinator of the Doctoral Program in Mechanical and Mechatronics Engineering (2017 – 2019). Coordinator of the master’s Program in Mechanical Engineering (2007 – 2010). Distinction from the Faculty of Engineering in Meritorious Teaching (years 2010 and 2018). Doctor in Technical Sciences from the Central University of Las Villas, Cuba (2003). Mechanical Engineer from the University of Cienfuegos, Cuba (1997). Author of more than 40 articles in indexed journals, 25 presentations at national and international conferences and two published books. He has participated in five funded research projects in Mechanical Engineering. He has directed 14 Postgraduate Theses and more than 30 Degree Projects. h-index: 11.
Panel on Women in Industry and Academia
July 19, 2022, 4:00 – 5:45 pm

Panel Chair

Dr. Ximena Córdova Vallejo
Profesora, Colegio de Ciencias e Ingenierías, Politécnico
Universidad San Francisco de Quito
Ecuador

Ximena M. Córdova, Ph.D., was the first woman to graduate in Mathematics from the National Polytechnic School, Quito-Ecuador. She has a Master's in Quality, Management and Productivity and a Master's in Actuarial Sciences from The University of Iowa, Iowa, USA. She holds a Ph.D. in Industrial Engineering from Wichita State University, USA. She was also the first woman to hold the position of Provost at the San Francisco de Quito University (USFQ) until 2020. She has served as a Professor at the San Francisco de Quito University for more than 20 years and was Dean of the School of Engineering of the College of Sciences and Engineering. She is currently a Senior Professor in the Department of Industrial Engineering. She is one of the founders of the project “Women in Science and Engineering”, WISE, to encourage women to study in the areas of science and engineering. She has managed to influence at least 5 female alumni of the USFQ of Industrial Engineering to obtain their Ph.D. in Engineering and many graduates to continue their four-level studies. Her research is applied to Green Supply Chains through the modeling, analysis and optimization of logistics systems using CO2 emissions as a performance measure and the use of Ecuadorian anthropometry data for the ergonomic design of work spaces.

Panel Speaker I

Maria Carolina Diaz
Business Process Optimization Manager
Spirit Airlines
Miami, Florida, USA

Panel Speaker II

Aracelli Centeno
Senior Process Architect
Registro Nacional de Identificación y Estado Civil (RENIEC)
Peru

Aracelli Centeno has 15 years of experience in project and process management. She has worked in Peruvian business as a company of technology, bank, and the government. Moreover, Aracelli volunteers in International Team Excellence Award (ITEA-ASQ) Judge in US and PMI. She has experience as a Quality Lead Auditor, Project Manager, process consultant and trainer. Her interests are related to process improvement, innovation projects and social development. Aracelli would like to collaborate by establishing social programs that promotes the empowerment for entrepreneurship in around the world and other projects that help to decrease the insecurity and establish mechanisms to prevent citizens of Identity Theft.

Panel Speaker III

Ph.D (c) Rosa Patricia Larios-Francia
Docente – Investigador
Laboratorio Textil y Confecciones
Carrera de Ingeniería Industrial
Facultad de Ingeniería y Arquitectura
Universidad de Lima
Peru

PhD candidate in Strategic Management with a specialization in Business Management and Sustainability from the Consortium of Universities, Master in Industrial Engineering from the Ricardo Palma University and Industrial Engineer from the University of Lima. With a specialization in innovation from the International High Specialization Programme in Innovation Management at ESAN and La Salle Ramon Llull University in Spain.

Lecturer and Researcher at the University of Lima in the areas of innovation, MSME management, cluster, biodiversity, sustainability, circular economy, humanitarian logistics, technology in the development of new materials and processes in the textile industry, fashion and handicrafts. She has been Director of the Textile Innovation Centre at the University of Lima. Author of scientific articles and books on innovation, sustainability and small and medium-sized enterprises.

With more than twenty years of experience in executive positions in the textile manufacturing sector, specialist in the areas of innovation, design,
product development, marketing and operations. International lecturer on business management, innovation management, technology in the textile industry, sustainability in handicrafts and management of small and medium enterprises.

Member of ISO/TMBG/SAG_ESG Strategic Advisory Group on Environmental, social, governance (ESG) ecosystem; ISO/TC 133 Clothing sizing systems-size designation, size measurement methods and digital fittings; ISO/TC 279/WG1 Innovation Management system. Currently president of the Technical Committee for Standardization - INACAL for Research, Technological Development and Innovation Management. Secretary of the SC-CTN Apparel. Member of the NTCs on MSMEs Management, Textiles and Clothing, and Quality Management and Assurance.

Member of the Latin American Association of Technology and Innovation Management - ALTEC. Member of the Peruvian Association of Textile Technicians - APTT. Member of the Sustainable Fashion Cluster.

Panel Speaker IV

Panel on Lean Six Sigma
July 20, 2022, 2:00 – 3:45 pm

Panel Chair

Dr. Imran Ahmad Rana
Management and Analytics Professional Trainer, Coach, Consultant and Practitioner
TCL, Lahore
Pakistan

Panel Speaker I

Dave Harry
Black Belt Trainer / Kata Coach
President & CEO
Process Whisperer® Consultants LLC
Greeneville, TN, USA

David Harry, a.k.a. "The Process Whisperer®", has more than 30 years’ experience as a project manager, business process improvement instructor and expert problem solver. Following a successful military career as a Naval Aviator, Dave taught Lean and Six Sigma “Belts” and project management classes for various companies including KPMG Consulting, Northrop Grumman, Rolls-Royce Energy, Arconic, and the University of Tennessee Knoxville. An Expert Trainer at Northrop Grumman, he was Manager of Continuous Improvement at Rolls-Royce Energy and has been involved with manufacturing and logistics Lean Six Sigma programs across several industries. He has served on leadership boards of the American Society for Quality and the Institute of Industrial Systems Engineers and the OpEx Society. He has been awarded three Masters-level degrees in management, including from the University of Southern California and the University of Chennai (India). His certifications include PMI Project Management Professional, ASQ Six Sigma Black Belt, Lean Bronze Certification from the SME/Shingo/AME Alliance, Agile Certified Scrum Master and a Certified Baseline Project Management Office (CB-PMO) Consultant. He is a recognized Toyota Kata “Geek” and has attended and presented at several IEOM conferences.

Panel Speaker II

Javier Enríquez
PM Consultant
IT, Mining & Construction
Lima, Peru

Panel Speaker III
IEOM Paraguay Conference
Panel Sessions
July 18-21, 2022

Panel on “The Impact of Extra Curriculum Activities in Professional Performance”
July 20, 2022, 4:00 – 5:45 pm

Panel Chair

Dr. Fernando Gonzalez Aleu
Associate Professor
Department of Computer Science and Industrial Engineering
Universidad de Monterrey
Mexico

Fernando Gonzalez-Aleu has more than 15 years of experience in higher education organizations as a part-time undergraduate professor and thesis advisor (10 years), Industrial and Systems Engineering Program Director (2 years), and currently as a full-time Associate Professor in the Department of Engineering (4 years). Currently, Fernando is teaching the following courses: Quality, Productivity, and Competitiveness (undergraduate level) General Systems Theory (undergraduate level), Senior Project (undergraduate level), and Research Seminar (graduate level). Prior industry experience includes 15 years implementing quality systems, environmental systems, and management systems in Mexico and Chile. Overall, academic and practitioner, Fernando has led/facilitated more than 30 continuous improvement projects and co-advise other 15.

Panelist 1:

Dr. Jesus Vazquez Hernandez
Professor
School of Engineering and Science
Instituto Tecnologico y de Estudios Superiores de Monterrey
Mexico

Jesús Vázquez Hernandez is a faculty and business professional consultant with a Ph.D. in Strategic Planning and more than 20-year experience in operations and supply chain management. He helps businesses to synchronize strategy, technology, continuous improvement projects in their demand and supply chains in order to create a smart value chain. Proven record of success leading supply & demand chain projects with a digital transformation strategy across multi-cultural teams, implementing business solutions and process improvement, with a TLS (TOC + Lean + Six Sigma) and an Industry 4.0 mindset.

Panelist 2:

Ricardo Ramirez Ordaz, DDPP, DDI, DDSOP
Senior Consult
Wasolutions

Ricardo Ramírez is an undergraduate student in Industrial Engineering at Universidad de Monterrey, with the following certifications: Demand Driven Professional Planner (DDPP), Demand Driven Instructor (DDI), and Demand Driven Sales and Operation Planner. During his college career, he served as president and alternate relationships of the Industrial Engineering Student Board. His work experience includes participating in continuous improvement projects as a Senior Consultant in Almik inc, TR Evolve Business, NAPA events and M&T Consulting Group. He also has experience as a professional consultant at FYR and Advance Value Chain Institute. Ricardo has also published one academic article with Evolve Business Architecture managing to improve the organizational climate and employee satisfaction by 35% and a Systematic Literature Review paper with the University of Monterrey. Among his research interests are logistics in the supply chain, python programming, descriptive statistics, data analytics and innovation.

Panelist 3:

Monica Elizondo, PMP
Graduate Students
ITESM

Monica Elizondo is an Industrial and Systems Engineer at Universidad de Monterrey (2018) in December 2018, achieving the greatest honors granted from the university, Summa Cum Laude. During her bachelor degree she was president of the ASQ UDEM Student Branch in 2016, in 2017 she was the winner of the national award for Lean Manufacturing Competition “Lean Challenge” from the General Electric Company, she served as head of External Relations of the School Government FEUDEM in 2017, organizing the First Meeting of University Leaders, and in 2018 she completed an abroad program in Konstanz, Germany. She was Project Manager in the Operations Efficiency team at Sigma for two years, leading Logistics projects in Mexico and Manufacturing projects in the in the United States plants. Later she worked at Deacero with in the Demand Planning team. She is certified as a Project Manager Professional (PMP) by the Project Management Institute (PMI) (2022); and currently, she is studying a Master's Degree in Engineering Management at Instituto Tecnológico y de Estudios Superiores de Monterrey.
Panel Chair

Prof. Vitor Mendes Caldana
Federal Institute of Sao Paulo (IFSP) – Sorocaba Campus
Sorocaba, Sao Paulo, Brazil

Began the academic career with a technician course in Electronics from Liceu de Artes e Oficios (1999) followed by an undergraduate degree in Electronic Engineering from Universidade Presbiteriana Mackenzie in 2004. In 2016, finished the Masters course in Industrial Engineering with the Quality of Engineering Education and its Relation to Regional Development as his area of research. As a technical profession, from 1999 until 2016, started in Caltronic Automação Industrial, a service-based company in Brazil that represents American and European automation equipment for the printing industry, and finished as Service and Projects Manager, serving not only Brazil but the whole of South America with services performed also in USA and China. During the professional career took several courses in USA and Europe to Automation and dedicated equipment maintenance. In 2016 left the company for full-time dedication to IFSP. In 2014 began his teaching career in FIEB as a substitute teacher for the Technical Course of Electronics. In 2016 moved to IFSP to start the electronics Technical Course in the city of Sorocaba and has been engaged with this project since. In this 4,5 years taught a variety of courses in electronics. In 2018 began his Research Group in Industry 4.0 and is currently working with colleagues in this research area as well as the project for the PhD.

Panel Speaker II

Professor Eldon G. Caldwell Marin, Ph.D., Sc.D, Dr.Ed. – IEOM President-Elect
Professor, Industrial Engineering Department
Engineering School
University of Costa Rica
San Jose, Costa Rica

Eldon Caldwell is full professor/Cathedraticus of the University of Costa Rica, Central America; member of the IEOM Society Academy of Fellows and member of the IEOM Society Global Council. Also, he has been recognized by the IEOM Society with the “Outstanding Service Award” for his career of over 30 years as an educator, researcher and promoter of development of industrial engineering and as “Distinguished Professor” by IEEE Computer Society, USA.

Dr. Caldwell earned his B.Sc. and Master degree in Industrial Engineering at University of Costa Rica and he earned a Master degree in Service Marketing, as well in Financial Analysis at Interamerican University of Puerto Rico; M.Sc. Health Management Systems at UNED, Costa Rica and a M.Sc. Operations Management at ITESM, Mexico. Finally, he earned three doctoral degrees: 1-Ph.D. in C.Sc. / Industrial Engineering, Autonomous University of Central America; 2- Ph.D. (Sc.D.) in Robotics and Automation, University of Alicante, Spain; and 3-Ph.D. (Dr. Ed.) in Education at the University of Costa Rica, developing the “Theory of Socio-educational Exergy-Anergy and Entropy”.

He is author of many scientific articles and two books: “Marketing of Social Products & Services”, UCR Publications; and “Lean Manufacturing: Fundamentals and techniques for cycle time reduction”, Kaikaku Ins. Press, USA.

Dr. Caldwell served as Director of Industrial Engineering Department at Engineering School of University of Costa Rica, Operations Manager at MASECA, CA; Lean Manufacturing Project Manager at Eaton Corp. Costa Rica, General Manager at Quirós & Cía-Bandag Inc. and General Manager at Lean Systems Intl., USA. He has more than 30 years of experience as advisor and consultant in Operations Management, Lean...
Panel Speaker III

Dr. Jorge Kurita
Professor and Research Director
Universidad Nacional de Asuncion
Paraguay

Dr. Jorge Kurita attended Universidad Nacional de Asuncion in Paraguay, where he got his BS in Electromechanical Engineering. After graduation, he spent some time in academia working as faculty. During this tenure, he taught courses on heat transfer, fluid mechanics, and physics. In 2004 Dr. Kurita was granted the Fulbright scholarship to attend a graduate program on Mechanical Engineering at Michigan Technological University. He has finished his MS and then continued with a doctorate program. NASA and the NSF funded his doctorate research. Dr. Kurita’s contribution to his field was well-published in several papers from high-impact journals. From 2011 Dr. Kurita worked as a development engineer II in the competitive automotive industry, Filtran LLC, located in Des Plaines, Illinois. As an experimental researcher, his experience helped Filtran develop special testing techniques never implemented before on filtration systems. In addition, Dr. Kurita worked in the CAE group, contributing to developing simulation techniques to help build state-of-the-art filtration systems. Dr. Kurita participated in developing OEM filters; some of them obtained awards from Jatco and GM. From 2016 Dr. Kurita is back to his alma mater as an assistant professor in Universidad Nacional de Asuncion. Later the same year, he is appointed to lead the research department of the School of Engineering. In 2017 he was appointed to be the Mechanical Engineering Department head at Universidad Nacional de Asuncion. In August of the same year, Dr. Kurita is awarded the “Distinguished Citizen by the City Council of Asunción” for his contributions to education in Paraguay’s space sector. And in December of the same year, he was mentioned as “Outstanding Protagonist of 2017” by the newspaper Ultima Hora.

Submissions Received from Countries and Territories

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| 8. Finland  | 18. Pakistan  | 28. Taiwan  |  |
| 10. India  | 20. Peru  |  |  |
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IEOM Paraguay Conference

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July 18-21, 2022

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3rd South American Conference

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Sai Abhijit, MSIE Student, Lawrence Technological University, Michigan, USA
31st IEOM Global Engineering Education

DISTINGUISHED SPEAKERS

July 19, Tuesday

Global Engineering Education I
8:00 – 9:45 pm – Zoom Meeting Room 2
Session Chair: Prof. Vitor

8:00 – 8:30 am (Tuesday, July 19)

Junior A. Bennett and Arlene Mckenzie-Cawley
School of Engineering
University of Technology, Jamaica

Title: Innovative Developments in Engineering Co-operative Education Practice for the Pandemic & Post Pandemic Periods

Junior A. Bennett is a consultant, researcher, productivity ambassador, Industrial Engineering Lecturer and Leader of the UTech Ja Productivity Research Group at the University of Technology, Jamaica. He has supervised several undergraduate projects including projects with public and private sector companies. He earned a Bachelor of Education in Industrial Technology – Electrical from the University of Technology, Jamaica in 2007, and a Master of Science in Manufacturing Engineering Systems from the Western Illinois University in 2009. He is the First Jamaican to be certified as a Manufacturing Engineer (CMfgE) in 2017 by the Society of Manufacturing Engineers (SME). He is credited for the establishment of the UTech Ja Society of Manufacturing Engineering Student Chapter S430 and was former Faculty Advisor for four consecutive years. He is a former council member and corporate member of the Jamaica Institution of Engineers (JIE) and represents JIE on the National Commission of Science and Technology (NCST). He is a Registered Industrial Engineer with the Professional Engineering Registration Board and held memberships in IEOM, SME and IIE societies. His research interests are productivity improvement, operations research, manufacturing, Industry 4.0 and quality management. Arlene Mckenzie-Cawley is an Engineering Lecturer and Industrial Work Experience coordinator at the University of Technology, Jamaica. She has supervised several undergraduate projects and has taught several Electrical related courses. She earned a Bachelor of Electrical Engineering degree (Power major), from the University of Technology, Jamaica in 1998, and a Master of Science in Power Electronics and Drives from University of Birmingham, England in 2003. She is a corporate member of the Jamaica Institution of Engineers (JIE) and a member of Institute of Electrical and Electronics Engineers (IEEE). Her research interests are regulated DC-DC converter, renewable energy (ocean wave technology), energy management and Industry 4.0.

9:00 – 9:30 am (Tuesday, July 19)

Prof. Vitor Mendes Caldana
Federal Institute of Sao Paulo (IFSP) – Sorocaba Campus
Sorocaba, Sao Paulo, Brazil

Began the academic career with a technician course in Electronics from Liceu de Artes e Ofícios (1999) followed by an undergraduate degree in Electronic Engineering from Univesidad Presbiteriana Mackenzie in 2004. In 2016, finished the Masters course in Industrial Engineering with the Quality of Engineering Education and its Relation to Regional Development as his area of research. As a technical profession, from 1999 until 2016, started in Caltronic Automação Industrial, a service-based company in Brazil that represents American and European automation equipment for the printing industry, and finished as Service and Projects Manager, serving not only Brazil but the whole of South America with services performed also in USA and China. During the professional career took several courses in USA and Europe to Automation and dedicated equipment maintenance. In 2016 left the company for full-time dedication to IFSP. In 2014 began his teaching career in FIEB as a substitute teacher for the Technical Course of Electronics. In 2016 moved to IFSP to start the electronics Technical Course in the city of Sorocaba and has been engaged with this project since. In this 4,5 years taught a variety of courses in electronics. In 2018 began his Research Group in Industry 4.0 and is currently working with colleagues in this research area as well as the project for the PhD.

July 19, Tuesday

Global Engineering Education II
2:00 – 3:45 pm – Zoom Meeting Room 2
Session Chair: Prof. Daniel Ohata

2:00 – 2:30 pm (Tuesday, July 19)

Dr. Maria Mercedes Larrondo Petrie
Professor of Computer Engineering, Florida Atlantic University, USA and Executive Director of LACCEI

Addressing the need of developing countries for access to online labs

Maria Mercedes Larrondo-Petrie is a full professor of Computer Engineering at Florida Atlantic University. She is a founder and executive director of the Latin American and Caribbean Consortium of Engineering Institutions (LACCEI). She works very closely with the Organization of American States (OAS) on the Ministers of Science and Technology Working Group 2: Human Capacity Building, organizes the annual OAS Summit of Engineering for the Americas and is Director of OAS Center of Excellence of Engineering for the Americas. She completed a 2nd term on the Board of Governors of the IEEE Education
Society where she continues to serve on the Standards Committee and is active in the standards development. She actively participates in the IEEE ICICLE Initiative Board for the Industry Connections Industry Consortium on Learning Engineering (ICICLE). She recently was appointed Chair of the Experts Committee of the European Commission’s funded Erasmus Plus initiative ENTER Engineering Educators Pedagogical Training registry. The American Society of Engineering Education (ASEE) has appointed her to the ASEE International Activities Committee. She serves on the International Advisory Board of the Journal of Engineering Education, has served on the boards of the ASEE International Division, ASEE Minorities in Engineering, and ASEE Women in Engineering Division, and has won the ASEE International Division’s International Engineering Education Award. The Society of Women Engineers (SWE) listed her in their April 2019 issue as one of the Outstanding Women in Engineering. She serves on the board of the Ibero-American Association for Engineering Education (ASIBEI, for its acronym in Spanish) and was awarded in 2019 the ASIBEI Academic Merit Award given to the top 20 most impactful Engineering Education leaders as part of their 20th anniversary celebrations. The Society of Hispanic Professional Engineers (SHPE) awarded her the SHPE National Faculty Advisor of the Year Award in 2018. She was inducted into the Pan-American Academy of Engineering as a titular member in 2016. The Global Engineering Deans Council (GEDC) and the International Federation of Engineering Education (IFEES) awarded her the Duncan Fraser International Engineering Education Award in Seoul, South Korea in 2016. In the past she served on the board of IFEES as Vice President for the Americas. She is a certified engineering program accreditation expert by the European Network for Accreditation of Engineering Education (ENAEE). In 2020 she won an entrepreneurial competition for her Lab in a Window startup to create smart adaptive remote laboratories for engineering. She is part of the Indo-US Collaboration for Engineering Education initiative and was appointed US-Mentor to the State of Gujarat, India since 2018. Her research interests focus on global engineering education, engineering learning systems, modeling of complex systems, and security. She has a 24 h-index and a 52 i10-index with over 250 refereed publications receiving over 1700 citations. She has been awarded more than three million dollars in grants over her career.

2:30 – 3:00 pm (Tuesday, July 19)

Prof Paulo Roberto Freitas de Carvalho
Former Dean, FACENCS University
IPFacens, a department focused on the integration of companies with Facens.

Talk Title: Integration between companies and universities

Born in June, 1951, with elementary and high school courses in Sorocaba, having received several awards such as the best student in school. In 1968 was granted a scholarship by AFS- American Field Service International Scholarships and spent his senior high school year in Worthington High School, Ohio, USA, graduating in 1969.

Graduated in Electrical Engineering, with emphasis in Digital Electronics, in the University of Sao Paulo- USP- in Dec. 1974. Later completed post-graduation (MBA) in Higher Education Pedagogy by UNIP.

As an internship student in 1973 participated in the software development group of automatic analysis of electrocardiograms, in the Hospital do Servidor Publico de Sao Paulo. In 1974 participated of the software simulation of the electric system of FEPASA – Sao Paulo Railways system, by PRAICE consulting company with orientation of two USP professors. From 1975 to 1979 was a research and development engineer at Engematic in Sorocaba, where he developed digital alarms annunciators and systems for oil industries. He was later appointed as coordinator of the technology transfer program of Hitachi industrial instruments.

In 1979 he started teaching Digital Electronics at FACENS in Sorocaba, where he continued as a professor and head of Electrical Engineering course up to 1984. From 1980 to 2000 worked in Splice Group, starting as Electronics Division manager, then Technology Director, and later V.P. Business Development. During the 80’s main activities were the development of several products for telecom, such as signal analysers, traffic analysers, small PABX, digital telex machine, digital payphones. All with own technology.

During the 90’s, with Brazilian government opening, negotiated several technology transfer and distribution agreements, such as Marconi Italy/UK (optic fibre transmission systems), Allen Telecom US (mobile telephony amplifiers), Converse Israel/US (voice messaging systems). Participated actively in the auction for privatization of mobile telecom in Brazil, where Splice was the only Brazilian winner group (1998).

From Oct.2000 to 2006 became the Operations director for Marconi. This British company decided to have its own factory in Brazil and acquired the corresponding division of Splice. The factory was transferred from Sorocaba/Votorantim to Barueri. In 2005 Marconi was acquired worldwide by Ericsson. In 2006 coordinated the integration of Marconi’s factory with Ericsson’s in Sao Jose dos Campos. From 2007 to 2012 was Superintendent Director at Wobben Windpower, Brazilian subsidiary of German Enercon, leader in the manufacturing of wind electrical converters in Germany.

From 2013 in Facens, initially as vice-director, then director from 2015 to 2021. Under his leadership Facens acquired the status of university, after reaching maximum evaluation by the Ministry of Education. Since 2012 is part of the Administration Council of FUNDEC, Sorocaba’s Cultural Development Foundation, responsible for the municipal music school and symphonic orchestra. Also, member of the Sorocaba CMCTI- municipal council for science, technology and innovation.

3:00 – 3:30 pm (Tuesday, July 19)

Prof. Daniel Ohata
Mobile Developer and Game Designer, Ibug Solutions
Part Time Professor, Centro Universitário Facens
Sorocaba, São Paulo, Brazil

Talk Title: Metaverse
Dr. Esther Matemba
Engineering Education Advisor- Lassonde Educational Innovation Studio (LEIS)
Lassonde School of Engineering, York University, Canada
Governing Board Member for Research in Engineering Education Network (REEN) – Africa representative
Sessional Academic, Curtin University, Western Australia

Redefining Global Engineering Education for Africa

Esther Matemba is an engineering lecturer and an active engineering education researcher. She is currently working as an Engineering Education Advisor for Lassonde Educational Innovation Studio (LEIS) at York University. Her previous Engineering Education research experience include a Research Assistant role at Curtin University (2015), and a Research Associate role at the University of Western Australia (Feb 2019 – Aug 2019). Esther is a Governing Board Member of Research in Engineering Education Network (REEN) representing Africa region. She has a PhD in Engineering Education from the Department of Civil Engineering at Curtin University, Australia. Her PhD titled ‘Globalisation of engineers: African Professional Engineering Education Perspective’, focused on issues of developing curriculum for globalisation with a particular interest on Africa. Esther also holds a Masters of Science in Construction Management (2009), and a Bachelor of Science in Civil Engineering (2007) from the University of Dar es Salaam, Tanzania, where she also lectured for five years. She is a co-founder of a project called ‘Collaboration and Method Sharing for engineering educators’, founded in 2015, with the purpose of sharing student centred methods to engineering educators in Africa. Esther's research interests include curriculum for global engineers in the Global South, engineering competencies, international accreditation and African engineering education, and her work appears in different international conferences and journals.
First IEOM Global Business Management Education

DISTINGUISHED SPEAKERS

Global Business Management Education I
Wednesday, July 20, 2022, 4:00 – 5:45 pm – Room 2
Session Chair: Dr. Alireza Shokri

Speaker I – 4:00 – 4:20 pm, Wednesday, July 20
Dr. Nokhaiz Tariq
Chairperson & Assistant Professor
Faculty of Business and Management Sciences
Information Technology University
Lahore, Punjab, Pakistan

Speaker II – 4:20 – 4:40 pm, Wednesday, July 20
Dr. Aftab Alam
Professor of Marketing, Centre of Management Studies
Jamia Millia Islamia
New Delhi, India

Prof Aftab Alam is a Visiting Professor at CMS Jamia Millia Islamia for Executive MBA Program and Member Advisory Council of Harvard Business Review, USA. He has also served as Dean Faculty of Commerce and Management at Rama University Kanpur recently, its before he was also Dean FCM at Integral University, Lucknow during (2013-16), and MIMT Greater Noida (2006-2007). He has obtained his Masters, M. Com and M.Phil. from Aligarh Muslim University and has his MBA from Algappa University, Tamilnadu. In addition, he has his PG Diploma in Travel & Tourism Management from FCI (Aligarh) Ministry of Tourism, Govt. Of India. For his higher education, he has completed his Ph.D. in Business Administration from Atlantic University Honolulu, USA.

He has been conferred 21st Century Educational Leadership Awards 2018 and recognized as Acclaimed Educator. In addition he has also been conferred as the Distinguished Teacher in Management at MTC Management Excellence Award-2018 ceremony at Bangalore. He is also a recipient of Best Professor in Services Marketing at ICBM Conference Hyderabad on 24 Nov.2018 Further to seeing his credence in Dec 15, 2018 He was accorded ‘Acclaimed Educator’ and has been awarded by American Leadership Award, 2018. He has substantial experience of Teaching in the Department of Business Management with specialization of Marketing at leading Business Schools of different Institutes and Universities India in (MDI, Gurgaon, IAMT Ghaziabad, Mangalmay Institute of Management, Asia Pacific Institute of Management, Delhi, BIMTECH, Greater Noida, Bangalore University, Madras University, and King Abdul Aziz University Jeddah.) His overall performance has been well praised thoroughly and have been awarded continuously 5 years “Distinguished Faculty” during his stay in abroad. He is having his credits of several articles/Research papers published in national and international Journals, world-renowned International conferences proceedings etc.

Speaker III – 4:40 – 5:00 pm, Wednesday, July 20
Dr. Soroush Avakh Darestani
Senior Lecturer in Business & Management
London Metropolitan University
London, England, United Kingdom

Speaker IV – 5:00 – 5:20 pm, Wednesday, July 20
Dr. Alireza Shokri
Associate Professor in Operations and Supply Chain Management
Leader for Operations, Supply Chain and Logistics Management Subject Group
Associate Editor of International Journal of Lean Six Sigma
Convener of Global Operations and Supply chain Competitiveness (GLOPSCO) Research Interest Group
Faculty of Business and Law
Northumbria University
Newcastle upon Tyne, United Kingdom

Dr Alireza Shokri is an Associate Professor (Reader) in Operations and Supply Chain Management and the subject group leader of “Operations, Supply Chain and Logistics Management” in the Department of Operations, Marketing and Systems. Prior to the current position, Alireza was the programme leader for the BA (Hon) International Business Management Programme. Before joining Newcastle Business School in 2011, Alireza had different practitioner roles including supply chain manager, quality manager, and ISO9001 internal consultant in food sector. Alireza got his first degree in Agriculture Engineering in University of Zanjan, Iran following by MSc in Food Technology in 2001 in Teesside University in the UK. Alireza completed his PhD in Lean Six Sigma application within food distribution SMEs in 2011 and since then he is working as an academic.

Alireza is passionate in teaching and research. He is very active in action research and research/Enterprise development activities. Alireza is currently leading the “Global Operations and Supply Chain Competitiveness” Research Interest Group with academic members across the globe. Alireza is also member of editorial board for the “International Journal of Lean Six Sigma”. As the referee, Alireza is serving many different specialised roles.
and high ranking journals such as “International Journal of Operations and Production Management”, “International Journal of Production Economics”, “International Journal of Lean Six Sigma” and “International Journal of Quality and Reliability Management”. As the principal investigator, Alireza currently led a British Academy – funded project about Green application of Lean Six Sigma projects in manufacturing sector. He is also part of the project management team as the quality manager and researcher of a multi-disciplinary global EU-funded (1m Euros) project as part of “Horizon 2020” called “GETMS Project”. The latest research funded project that Alireza was involved as principal investigator was an Innovate UK-funded feasibility study (£300k) in collaboration with external partners in digital supply chain and predictive maintenance integration.

Alireza’s research focuses on Lean Six Sigma and its application in service and manufacturing, Lean Six Sigma integration with Supply Chain Management, HR and Sustainability, Supply Chain Quality Management and process improvement and Lean Management. His research has been published in international leading/excellence level journals in his research including “International Journal of Operations and Production Management (ABS 4)”. Alireza is the member of Chartered Quality Institute (CQI) as the practitioner. Alongside that, Alireza is the Fellow of Higher Education Academy (FHEA), member of Chartered Institute of Purchasing and Supply (CIPS), and member of Chartered Institute of Logistics and Transport (CILT) that is co-joint professional body with Chartered Institute of Operations Management (CIOM). Alireza is also a certified Lean Six Sigma Green belt with professional capability of leading on lean Six Sigma projects. Alireza is keen on working with local, national and international businesses and he is the strong believer on “Research in Practice”. Alireza is currently working with leading organisations such as “Unipress”, “Nilco”, “NBT”, “North East Chamber of Commerce”, “North East Freight Partnership”, etc.

Global Business Management Education II
Thursday, July 21, 2022, 4:00 – 5:45 pm – Room 2
Session Chair: Dr. Muhammad Ikhsan Setiawan

Speaker I – 4:00 – 4:20 pm, Thursday, July 21

Prof. Shekar Babu, Ph.D.
Founding Head, AMRITA School of Business, Bengaluru
AMRITA Visha Vidyapeetham University
Bengaluru, Karnataka, India
Adjunct Faculty, SUNY, Buffalo, USA

Prof. Shekar has 15 years of experience in academia and 15 years in Industry. Prof. Shekar Babu is the founding head of AMRITA School of Business, Bangalore. He started AMRITA School of Business, Bangalore in 2007 in collaboration with State University of New York (SUNY), Buffalo, USA. He was also an Adjunct Faculty at School of Management, University at Buffalo, NY, USA. He worked for 10 years as a Director of Hewlett-Packard’s Software Division, California, USA. He was responsible for managing the $1Billion revenues. He worked 5 years as a Management Consultant at Price Waterhouse (PWC), Los Angeles, California, USA. Prof. Shekar has been actively working on Sustainability, SDG and CSR projects since 2007. He led the “Education through Rural Transformation” project by implementing “Village Resource Centers (VRC)” across 5 remote locations in Tamil Nadu and Kerala. The VRC project was in collaboration with ISRO and with the help of corporate funding from HP, Microsoft, CTS and CISCO.
Prof. Shekar has been working with international researchers and consultants from USA, Australia and Europe on mandated CSR and Sustainability projects with focus on Indian government and private companies. He has published close to 50+ high-impact journal international conference papers. Prof. Shekar is also a guest editor is some prestigious research journals like “Sustainability Accountability Public Governance”, Industrial Marketing Management and “Journal of Finance and Accounting”. Prof. Shekar is the Head of “AMRITA Center for Responsible Innovations and Sustainable Enterprises – ARISE” Lab. He has already secured funding of more than 2 Crores from HP, Microsoft, Cognizant, Cisco and SAN Engineering and Locomotives. The main areas of research include Technology for Social Good, Sustainability, SDGs, CSR and Ethics. Prof. Shekar received B.E. (Electronics and Communications) degree from Bangalore University, India, M.S. (Computer Engineering) degree from California State University, Los Angeles, USA and PhD from AMRITA University, India.

Speaker II – 4:20 – 4:40 pm, Thursday, July 21

**Prof. Dr. Yiğit Kazancoglu**  
Professor and Dept. of Logistics Management  
Faculty of Business, Yasar University  
Bornova, Izmir, Turkey

Prof. Yiğit Kazancoglu graduated from Izmir American College in 1998. Kazancoglu received his B.S. degree from Eastern Mediterranean University, Dept. of Industrial Engineering as an Honour student and second in dept. ranking. He has graduated from Coventry University, England, MBA and Izmir University of Economics MBA programs as a High Honour student, respectively in 2003 and 2004. Kazancoglu has received his PhD. at Ege University (Production & Operations Management). He was a research assistant between 2002-2005, instructor between 2005-2008, Assistant Professor Dr. between 2008-2013, and Associate Professor Dr. between January 2014-2016 in Izmir University of Economics, Dept. of Business Administration. Between December 2016 – May 2019 he worked as Associate Professor Dr. in Yasar University, International Logistics Management Department.


Speaker III – 4:40 – 5:00 pm, Thursday, July 21

**Dr. Hayder Zghair**  
Assistant Professor of Industrial Engineering  
College of Physics and Engineering  
Southern Arkansas University, USA

Dr. Hayder Zghair is an assistant professor of industrial engineering in the College of Physics and Engineering at Southern Arkansas University, USA. Dr. Zghair earned Master’s degree in Manufacturing Systems Engineering and Doctor’s Degree in Manufacturing Systems Engineering from Lawrence Technological University, Michigan, USA. He has published several peer reviews papers in many journals and conferences. Dr. Zghair’s research interest covers industrial systems flexibility, automation, and robotics, using analytical modeling, simulation, and optimization. Dr. Zghair teaches experience covers five main areas of industrial engineering, systems modeling and simulation, IoT and automation integration, ergonomics and workplace design, engineering economics, applied control-PLC, and lean manufacturing; smart manufacturing. Dr. Zghair’s academic services include but are not limited to curriculum development, ABET accreditation, articles/papers reviewing, and conference committees. He is also member of ASEE, SAE, and IEOM.

Speaker IV – 5:00 – 5:20 pm, Thursday, July 21

**Dr. Ahm Shamsuzzoha**  
Tenure Track Professor  
School of Technology and Innovations  
Digital Economy Research Platform  
University of Vaasa  
Vaasa, Ostrobothnia, Finland

Dr. Ahm Shamsuzzoha is working as a Tenure Track Professor, Industrial Systems Analytics program, School of Technology and Innovations and in the Digital Economy Research Platform, University of Vaasa, Finland. He worked as an Assistant Professor at Sultan Qaboos University, Oman, and an Associate Professor at Shahjalal University of Science and Technology, Bangladesh. He received his Master’s degree in Mechanical Engineering, majoring in Energy and Environment from the University of Strathclyde, UK, and Ph.D. in Industrial Management from the University of Vaasa, Finland. He is currently involved in several European Union projects as well as...
nationally funded projects in Finland. His research interests are mainly focused on greener innovation, entrepreneurship, supply chain and logistics management, product development, innovation management, etc.

Speaker V – 5:20 – 5:40 pm, Thursday, July 21

**Dr. Muhammad Ikhsan Setiawan**  
Vice Rector  
Faculty at Faculty of Civil Engineering  
Narotama University  
Surabaya, Indonesia

Muhammad Ikhsan Setiawan received his Bachelor Civil Engineering (1998) Universitas Merdeka Malang Indonesia, Master Civil Engineering (2000) Universitas Indonesia and Doctor Civil Engineering (2018) Universitas Tarumanagara Indonesia. Currently as Vice Rector and an Assistant Professor at Faculty of Civil Engineering Narotama University Indonesia also registered as Engineer Expert Certified. He currently leads a research team grant from Ministry of Education, Indonesia since 2009 in Sustainability, Business and Digital Transportation, also Tourism and Regional Economic, include Smart City. He is also a Chairman of WORLDCONFERENCE (Indonesia International eConference), Vice President of iPEST (Indonesia International Expert Forum), Secretary of DPP ADRI (Indonesia Expert and Lecturer Association), Vice Director of PT Songsong Buana Jakarta Indonesia, member of IEEE, author of 92 SCOPUS documents, editor and reviewers Journal in SCOPUS, DOAJ, CROSSREF, GOOGLE and SINTA(Indonesia indexed)
30th IEOM Industry Solutions

Distinguished Speakers

Industry Solutions I
July 20, 2022, Wednesday, (2:00 – 3:45 pm) – Zoom Meeting Room 2
Session Chair: Dr. Aneesh Zutshi

2:00 – 2:20 pm (Wednesday)

**Felix Peña**
CEO
Coworking Labs EAS
Paraguay

2:20 – 2:40 pm (Wednesday)

**Dr. Imran Ahmad Rana**
Quality Management & Analytics Head
TCL, Lahore
Pakistan

2:40 – 3:00 pm (Wednesday)

**Aldo Marcos Moscarda**
Director
MARCOS Ingenieros constructores. (Antes Hidrovial Consultores)
Paraguay

3:00 – 3:20 pm (Wednesday)

**Gabriel Gonzalez Morra**
Director – Lean Six Sigma Institute LLC
Director – Advance Business Advisors
Associate Professor, UCOM – Universidad Comunera
Paraguay

3:20 – 3:40 pm (Wednesday)

**Dr. Aneesh Zutshi**
Assistant Professor
Research & Educator on Digital Platforms and Blockchain Technologies
Universidade Nova de Lisboa
Lisbon, Portugal

Industry Solutions II
July 20, 2022, Wednesday (4:00 – 5:45 pm) – Zoom Meeting Room 2
Session Chair: Guillermo Parra Romero

4:00 – 4:20 pm (Wednesday)

**Mehmet Kursunlu**
Founder, VP & CTO
MARS LABS
Istanbul, Turkey

4:20 – 4:40 pm (Wednesday)

**Mr. Luis Bramante**

4:40 – 5:00 pm (Wednesday)

**Guillermo Parra Romero, MSCSE**
Control Systems Engineer
TEACS – Technology, Engineering and Control Systems
Paraguay
5:00 – 5:20 pm (Wednesday)

**Aly Sodhro, PhD**  
Senior Lecturer  
Kristianstad University  
Kristianstad, Skåne County, Sweden

5:20 – 5:40 pm (Wednesday)

**Mr. Brian Benigo**  
Infinity Safe  
Threat Response in Cyber Security
4th IEOM South American Industrial Engineering and Operations Management Conference
Lima, Peru, May 9-11, 2023, Venue: JW Marriott Hotel Lima
https://ieomssociety.org/peru2023/

Conference Chairs

Dr. Mario Chauca
Conference Chair
Professor
Dept. of Industrial Engineering
Universidad Ricardo Palma
Santiago de Surco
Lima, Peru

Dr. Ahad Ali
Conference Co-Chair
Associate Professor and Director of Industrial Engineering
Lawrence Technological University
Southfield, Michigan, USA
Executive Director, IEOM Society

Mag. Ing. Luis Alberto Zuloaga Rotta
Conference Co-Chair
Decano, Facultad De Ingeniería Industrial Y De Sistemas,
Universidad Nacional de Ingeniería (UNI), Lima, Perú

Ing. MBA Martin Fidel Collao-Díaz
Conference Co-Chair
Professor, Facultad de Ingeniería y Arquitectura
Universidad de Lima, Perú

Dr. Sandro Paz
Conference Co-Chair
Professor and Director
Department of Industrial Engineering Program
Pontificia Universidad Católica del Perú (PUCP)
10th IEOM Global Supply Chain and Logistics

DISTINGUISHED SPEAKERS

Global Supply Chain and Logistics I
July 21, Thursday, 8:00 – 9:30 am – Room 2
Session Chair: Dr. Ferdoush Saleheen

Speaker I: 8:00 – 8:30 am
Samrat Ray
Assistant Professor
Makaut University
Kolkata, West Bengal, India
Samrat Ray is an assistant professor based out of India. He has been a Russian government Scholar and researcher in a top 100 global university based out of St Petersburg Russia. He has authored several papers in peer reviewed reputed publications.

Speaker II: 8:30 – 9:00 am
Yousuf Al Khamisi
Chief Executive Officer
Business Development and Quality
Muscat, Masqat, Oman

Speaker III: 9:00 – 9:30 am
Dr. Ferdoush Saleheen, FCILT
Supply Chain Management Transformation Specialist
Chief Supply Chain Officer, Partex Star Group (Bangladesh)

Dr. Ferdoush Saleheen brings more than 20 years of end-to-end Supply Chain Management experience working with multinationals and local conglomerates in Fast Moving Consumer Goods (FMCG), Household Electronics, and Agrobusiness both in the manufacturing and retail industry in South East Asia as such Singer, LG, Akij and Partex Star Group. He is a Supply Chain and Business Transformation specialist and transformed operations at Akij Food & Beverage Ltd, and LG Bangladesh as Head of Supply Chain and managed integrated operations from planning, procurement, foreign trade, manufacturing, warehouse, and logistics. He is currently working as Chief Supply Chain Officer at Partex Star Group (Danish) which is involved in Milk Powder, Condensed Milk, Tea, Tissue, Snacks, and Steel business.

Apart from corporate, Dr. Ferdoush is also involved in academia and since 2014, he has been working as an Asst. Professor of Supply Chain and teaches in MS, MBA, and Executive MBA at BRAC University, ULAB University in Bangladesh. He is also a guest faculty at the University of Hull in the UK. Academically, Dr. Ferdoush Saleheen obtained his PhD degree in Supply Chain Management from AACSB accredited Malaysian Government University – Universiti Utara Malaysia, MS degree in Logistics from University of Texas at Arlington in the United States, and MBA degree from Victoria University Melbourne, Australia. Dr. Ferdoush is a Fellow at the Chartered Institute of Logistics and Transport (CILT), International - the highest professional body for Logistics and Transport professionals in the UK. He has more than 30 global publications in journal and conference proceedings on Supply Chain Management, Operations, and Management in Scopus, Web of Science (WoS), IGI Global, Nova Publishers, etc.

Speaker IV - 9:30 - 9:50 am
ID 462 Marketing Strategy Planning Using SOAR Method and Quantitative Strategic Planning Matrix (QSPM) (Case Study: Computer Embroidery Business Jonifer Embroidery)
Bunga Yulia Nazra, Student at Industrial Engineering, Sultan Syarif Kasim Riau State Islamic University, Riau 28122, Indonesia
Muhammad Rizki, Ismu Kusumanto, Muhammad Ihsan Hamdy, Nazaruddin, Silvia, Assistant Professor Industrial Engineering, Sultan Syarif Kasim Riau State Islamic University, Riau 28122, Indonesia

Global Supply Chain and Logistics II
July 21, Thursday, 2:00 pm – 3:30 pm – Room 2
Session Chair: Md Jaman, Pepsico

Speaker I – 2:00 – 2:30 pm
Dr. Piera Centobelli  
Professor of Business Economics and Organization  
Università degli Studi di Napoli Federico II  
Naples, Italy

Speaker II – 2:30 – 3:00 pm

Md Jaman  
Supply Chain Planner  
PepsiCo  
Wichita, Kansas, United States

Md Jaman is a Supply Chain Planner at PepsiCo where he oversees the supply chain, from raw to finished goods, of the innovation and current products produced in Kansas, United States. He proactively engaged with cross-functional teams to achieve a streamlined supply chain. Prior to PepsiCo, he worked at AGCO Corporation, a leading ag global industry, where he was a key player to launch global new products as well as migrating to a digital manufacturing environment by launching the Teamcenter Product Lifecycle Management system and introducing new change management and electronic work instruction to eliminate paper prints. He also worked at CNH Industrial and Linde Bangladesh Limited. He has an advanced degree in industrial engineering from Wichita State University, USA. He has Six Sigma Green Belt Certification from the American Society for Quality (ASQ).

Speaker III – 3:00 – 3:30 pm

Dr. Mesbahuddin Chowdhury  
Senior Lecturer in Operations and Supply Chain Management  
University of Canterbury  
Canterbury, New Zealand

Mesbahuddin Chowdhury is a senior lecturer in management, Department of Management, Marketing and Entrepreneurship, UC Business School, University of Canterbury, Christchurch, New Zealand. He formerly served as Research Fellow in the Department of Accounting, Monash University, Australia. Dr. Chowdhury’s current research interests focus on the role of social capital in buyer-supplier relationship and the impact of supplier management practice on performance improvement. He has been published in peer-reviewed journal such as International Journal of Production Economics. He published a number of book chapters in Cases in Business and Management.
## Parallel Sessions

### All Times are in Paraguay Time

#### MONDAY, July 18, 2022 - Competitions

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<td>6:00 – 7:45 am</td>
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<td>Entrepreneurship</td>
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<td>8:00 – 9:45 am</td>
<td>Undergraduate Paper Competition</td>
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<td>10:00 – 11:45 am</td>
<td>Undergraduate Paper Competition</td>
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<td>12:00 – 1:45 pm</td>
<td>Undergraduate Paper Competition</td>
<td>PhD Dissertation Competition</td>
<td>Sr. Design Competition</td>
<td>IoT</td>
<td>Engineering Education</td>
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<td>2:00 – 4:00 pm</td>
<td>Undergraduate Paper Competition</td>
<td>Poster Competition</td>
<td>High School STEM Competition</td>
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#### TUESDAY, July 19, 2022

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<tbody>
<tr>
<td>6:00</td>
<td>Design and Analysis</td>
<td>Construction Management</td>
<td>e-Business</td>
<td>Innovation</td>
<td>HF</td>
</tr>
<tr>
<td>8:00</td>
<td>Plenary I</td>
<td>GEE I</td>
<td>Data Analytics</td>
<td>Case Studies</td>
<td>Cyber Security</td>
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<tr>
<td>10:00</td>
<td>Welcome Address from Host - Room 1</td>
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<tr>
<td>10:20</td>
<td>Keynote I (Opening Keynote): Mr. Sumihiro Takaoka, President, Sumi S.A. President, Japan Paraguay Chamber of Commerce - Room 1</td>
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<tr>
<td>11:00</td>
<td>Keynote II: Dr. Heriberto Garcia-Keyses, PhD, Regional Chairman, Industrial Engineering Department, Tecnologico de Monterrey, Monterey, Mexico - Room 1</td>
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<tr>
<td>11:40</td>
<td>Keynote III: Professor Duc Tuong Pham, Chance Professor of Engineering, Director of Research, Department of Mechanical Engineering, University of Birmingham, Birmingham B15 2TT United Kingdom - (Room 1)</td>
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<tr>
<td>12:20</td>
<td>Keynote IV: Dr. Sergio Shimura, Federal Institute of Education, Science and Technology of São Paulo, Brazil - (Room 1)</td>
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<td>1:00</td>
<td>Lunch Break</td>
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<tr>
<td>2:00</td>
<td>Electromobility Panel</td>
<td>GEE II</td>
<td>Lean Six Sigma</td>
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<tr>
<td>4:00</td>
<td>Women in Industry and Academia Panel</td>
<td>Plenary II</td>
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#### Wednesday, July 20, 2022

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<tr>
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<tr>
<td>6:00</td>
<td>e-Business</td>
<td>Decision Sciences</td>
<td>Environmental Engineering</td>
<td>Manufacturing</td>
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<tr>
<td>8:00</td>
<td>Plenary III</td>
<td>Industry Solutions I</td>
<td>Case Studies</td>
<td>BM</td>
<td>Applied Statistics</td>
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<tr>
<td>10:00</td>
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<tr>
<td>10:20</td>
<td>Keynote V: Claudio Vierci, Director-Presidente, Vierci Development, Paraguay- (Room 1)</td>
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<tr>
<td>11:00</td>
<td>Keynote VI: Dr. Clinton AIGBAVBOA, Professor, Department of Construction Management and Quantity Surveying, University of Johannesburg, South Africa-Room 1</td>
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<td>11:40</td>
<td>Keynote VII: Jill Hosmer- Jolley PhD, MBA, Neurodiversity Accessibility Consultant, MBA Faculty, California State University, Monterey Bay, Management coaching, DEI, CSR, HR, OB, Monterey, California, USA- (Room 1)</td>
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<tr>
<td>12:20</td>
<td>Keynote VIII: Alfred Fast, CEO, Fecoprod Ltda. and President, El Instituto de Biotecnología Agrícola (INBIO), Asuncion Paraguay- (Room 1)</td>
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<td>1:00</td>
<td>Lunch Break</td>
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<td>2:00</td>
<td>Lean Six Sigma Panel</td>
<td>Industry Solutions II</td>
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<tr>
<td>4:00</td>
<td>Panel on &quot;The Impact of Extra Curriculum Activities in Professional Performance&quot;</td>
<td>Global Business Management Education I</td>
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#### Thursday, July 21, 2022

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<tr>
<td>6:00</td>
<td>AI</td>
<td>SCM</td>
<td>Technology Management</td>
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<tr>
<td>8:00</td>
<td>Plenary IV</td>
<td>GSCM I</td>
<td>BM</td>
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<td>Case Studies</td>
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<tr>
<td>10:20</td>
<td>Keynote IX: Marco Carvalho, CEO, Matza Education, São Paulo (SP), Brazil - Room 1</td>
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<tr>
<td>11:00</td>
<td>Keynote X: Prof. Samuel Wiens Bartel, Professor, Universitario para Liderazgo y Desarrollo Personal, Paraguay -Room 1</td>
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<td>11:40</td>
<td>Keynote XI: Dr. Mario Chauca, Professor, Ricardo Palma University, Santiago de Surco, Peru - (Room 1)</td>
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<td>12:20</td>
<td>Keynote XII: Prof. Dr. Marcelo Castier, Dean of the Faculty of Engineering Sciences, UPA – Universidad Paraguaya Alemana / German Paraguayan University, San Lorenzo, Paraguay - (Room 1)</td>
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<td>1:00</td>
<td>Keynote XIII: Michel Baudin, Owner, Takt Times Group, Co-founder, Grokcity, Inc., Palo Alto, California, United States</td>
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<td>1:30</td>
<td>Lunch Break</td>
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<tr>
<td>2:00</td>
<td>Diversity and Inclusion Panel</td>
<td>GSCM II</td>
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<tr>
<td>4:00</td>
<td>GSCM Panel</td>
<td>Global Business Management Education II</td>
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7:00 – 10:00 pm Conference Awards Ceremony
July 18 (MONDAY) - Session: 6:00 – 7:45 am

6:00 – 7:45 am, MONDAY  e-Business/e-Service/e-Commerce  Room 1
Session Chair: Fithria Khairina Damanik, Bina Nusantara University, Jakarta, 11480, Indonesia

ID 47  Blockchain technology for Fraud Detection and Risk Prevention in Insurance Industry
Inayatulloh, Information Systems Department, School of Information system, Bina Nusantara University, Jakarta, Indonesia 11480
Rizky Maulana, Department of Economics, Faculty of Economics and Management, IPB University Bogor, Indonesia
Siti Elda Hiererra, Information Systems Department, School of Information system, Bina Nusantara University, Jakarta, Indonesia 11480
Prasetya Cahya S, Information Systems Department, School of Information system, Bina Nusantara University, Jakarta, Indonesia 11480
Nico Djunhardtso Dijasating, Politeknik Transportasi Darat Indonesia-STTD
Rivaldhy N. Muhammad, Study Program of Law, Faculty of Law, Social and Political Sciences, Open University, Indonesia

ID 48  E-government Model as Information Centre for Society and Community to Support Public Services Base on Mobile Technology
Inayatulloh, Information Systems Department, School of Information system, Bina Nusantara University, Jakarta, Indonesia 11480
Prasetya Cahya S, Information Systems Department, School of Information System, Bina Nusantara University, Jakarta, Indonesia 11480
Nico Djunhardtso Dijasating, Politeknik Transportasi Darat Indonesia-STTD
Enggal Sriwardiningsih, Management Department, Bina Business School, Bina Nusantara University, Jakarta, Indonesia
Indra Kusumadi Hartono, Information Systems Department, School of Information system, Bina Nusantara University, Jakarta, Indonesia 11480
Rivaldhy N. Muhammad, Study Program of Law, Faculty of Law, Social and Political Sciences, Open University, Indonesia

ID 49  Smart Contract and Hash Function for Property Insurance with Blockchain Technology to Improve Claim Process Efficiency
Inayatulloh, Information Systems Department, School of Information System, Bina Nusantara University, Jakarta, Indonesia 11480
Siti Elda Hiererra, Information Systems Department, School of Information system, Bina Nusantara University, Jakarta, Indonesia 11480
Prasetya Cahya S, Information Systems Department, School of Information system, Bina Nusantara University, Jakarta, Indonesia 11480
Rozali Toyib, Universitas Muhammadiyah, Bengkulu, Indonesia
Nico Djunhardtso Dijasating, Politeknik Transportasi Darat Indonesia-STTD
Rivaldhy N. Muhammad, Study Program of Law, Faculty of Law, Social and Political Sciences, Open University, Indonesia

ID 66  Blockchain Technology to Improve Transparency Halal Food Global Supply Chain
Inayatulloh, Information Systems Department, School of Information system, Bina Nusantara University, Jakarta, Indonesia 11480
Maisyarah Rahmi Hasan, Islamic Economic Law Department, Faculty of Sharia, Universitas Islam Negeri Sultan Aji Muhammad Idris Samarinda
Destiana Kumala, Sekolah Tinggi Ekonomi Bisnis Islam Syariah Bina Mandiri, Bogor, Indonesia 11480
Rozali Toyib, Universitas Muhammadiyah, Bengkulu, Indonesia
Nico Djunhardtso Dijasating, Politeknik Transportasi Darat Indonesia-STTD
Rivaldhy N. Muhammad, Study Program of Law, Faculty of Law, Social and Political Sciences, Open University, Indonesia

ID 82  Adoption of Internet of Thing (IoT) in Smart Hotels to Increase Supply Efficiency with Hotel Equipment Vendor
Inayatulloh, Information Systems Department, School of Information System, Bina Nusantara University, Jakarta, Indonesia 11480
Enggal Sriwardiningsih, Management Department, Bina Business School, Bina Nusantara University, Jakarta, Indonesia
Ade Fadli Fachru, STTD Al Hikmah, Jakarta, Indonesia
Rajiv Dharma Mangruwa, Communication and Business-Telkom University, Bandung, Indonesia
Muhammad Salaman Al Farisi, Sekolah Tinggi Ekonomi Bisnis Syariah Bina Mandiri
Rozali Toyib, Universitas Muhammadiyah, Bengkulu, Indonesia

ID 151  Smart Tourism Destination: A Comparative Study for Five Super Priority Destinations in Indonesia
Fithria Khairina Damanik, Hana Unlinuhu, Wendy Purnama Tarigan, Lecturer at Tourism Destination Department, Faculty of Economics and Communication, Bina Nusantara University, Jakarta, 11480, Indonesia
Ersalora Luflianti, Researcher at Centre of Tourism Planning and Development, Bandung Institute of Technology, Bandung, 40116, Indonesia
Theodora Evelyn Wijaya, Olivia Oh, 4Student at Tourism Destination Department, Faculty of Economics and Communication, Bina Nusantara University, Jakarta, 11480, Indonesia

ID 161  Measuring the Effect of Instagram Features on Jakarta’s Coffee Shop Customer Engagement
Natasya, Marketing Communication Program, Communication Department, Faculty of Digital Communication and Hotel & Tourism, Bina Nusantara University, Jakarta, Indonesia
Amia Luthfia, Marketing Communication Program, Communication Department, Faculty of Digital Communication and Hotel & Tourism, Bina Nusantara University, Jakarta, Indonesia

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<table>
<thead>
<tr>
<th>Session Chair:</th>
<th>Room 2</th>
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<tbody>
<tr>
<td>Dhiya Falha Idfi, School of Communication and Business Telkom University, Indonesia</td>
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</table>

**ID 76**  
**Entrepreneurial Skills in Small and Medium Enterprises: A Systematic Review**  
Agung Purnomo and Febby Candra Pratama, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta 11480, Indonesia  
Andre Septianto and Elsa Rosydah, Institute for Research and Community Services, Universitas Nahdlatul Ulama Sidoarjo, Sidoarjo 61218, Indonesia  
Evaristus Didik Madyatmadja, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta 11480, Indonesia

**ID 174**  
**The Role of Entrepreneurial Experience in Empowering Higher Education Students in Greater Jakarta**  
Maria Grace Herlina*, Hardijanto Saroso, Senior Lecturer, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia  
Banu Rinaldi, Senior Lecturer, Business Creation Program, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

**ID 184**  
**Estrategias Del Perfil Emprendedor De Los Microempresarios Desde La Mirada De La Cultura De Liderazgo, Rango De Estudio Años 2017 – 2021**

**ID 185**  
**Areas in MSMEs’ Business Processes that Require New Ideas on a Regular Basis**
Puji Prabowo, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

**ID 186**  
**Digital Marketing Learning Needs for Business Incubator Participants**
Puji Prabowo, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

**ID 6**  
**Trends in Entrepreneurship Education and Suggestions for Future Research Direction**
Eren Ozgen, College of Business, Florida State University, Panama City, Florida 32405-1099 USA

**ID 22**  
**Analysis of the determinants of M-learning: The Case of Bolivia**
Boris Christian Herbas Torrico and Marco Antonio Cueto Daza, Exact Sciences and Engineering Research Center (CICEI), Bolivian Catholic University, Cochabamba, Bolivia

**ID 455**  
**The Effect of Career Development And Work Discipline on Employee Performance Pt Telkom Purwokerto**
Dhiya Falha Idfi, and Romat Saragih, School of Communication and Business Telkom University, Indonesia

| Session Chair: Luz Labrín-Inzunza, Universidad del Bio-Bio, Concepción, Chile |
| Room 3 |

**ID 219**  
**A Tutorial on Cognitive Radio Principles and Spectrum Sensing**
Husaini Adamu, Salawudeen Nathaniel, Abubakar Saddiq Mohammed, and Paulson Eberechukwu N, Department of Telecommunication Engineering, School of Electrical Engineering and Technology, Federal University of Technology, Minna, Niger State, Nigeria

**ID 220**  
**Development of Online Training Application Using a Learning Management System (Case Study: PT. Delta Sinergi Prima)**
Rizqi Putri Noorma Budiarti, Mas Syahdan Filsafan, Endang Sulistyani, Henri Agustina, Universitas Nahdlatul Ulama Surabaya, Surabaya, Indonesia

**ID 260**  
**Marketplace Application Development for Supporting the Economic Growth in the Covid-19 Pandemic Era with Flutter Technology**
Tarmantan Sanberto Saragih, Department of Information Systems, Faculty of Computer Science, Universitas Mercu Buana, Jakarta, Indonesia  
11610  
Student at Doctoral Program of Leadership and Policy Innovation, The Graduate School of Universitas Gadjah Mada, Jl. Tevesia, Bulaksumur, Yogyakarta, Indonesia 55281  
Tota Pirdo Kasih, Professional Engineer Program Department, Faculty of Engineering, Bina Nusantara University, Jakarta, Indonesia 11480  

**ID 287**  
**Information Technology Governance in Public Sector & Government Institution: A Systematic Literature Review**
Prasetya Cahya S, BINUS Graduate Program, Doctor of Computer Science, Bina Nusantara University, Jakarta, Indonesia 11480  
Ford Lumbar Gaol, Computer Science Department, BINUS Graduate Program, Doctor of Computer Science, Bina Nusantara University, Jakarta, Indonesia 11480  
Suhono Harso Supangkat, Smart Cities and Communities Innovation Center, Institut Teknologi Bandung 40312, Bandung, Indonesia  
Benny Ranti, Computer Science Department, Faculty of Computer Science, Universitas Indonesia, Depok, Indonesia 16424

**ID 296**  
**Computer Graphic Education: A Bibliometric Analysis**
Victor Adiluhung Abednego, Satrya Dirgantara, Novida Nur Miftakhul Arif, Donna Carolina, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia 11480  
Fairuz Iqbal Maulana, Computer Science Department, School of Computer Science, Bina Nusantara University, Jakarta, Indonesia 11480

**ID 11**  
**What is Said About Elderly People in Chile: An Analysis of Topics from Most Influential Broadcasters on Twitter**
Esteban Brito-Quinlan, Patricio Ramirez-Correa, Jorge Alfaro-Pérez, School of Engineering, Universidad Católica del Norte, Coquimbo, 1781421, Chile

**ID 12**  
**Adoption of Electronic Payment among Entrepreneurial Elderly: A Proposal for an Instrument to Measure its Adoption in Chile**
Luz Labrín-Inzunza, Universidad del Bio-Bio, Concepción, Chile
ID 13  Proposal of an Innovative Measurement Instrument for the Adoption of Electronic Commerce in the Elderly: An Elicitation Study Based on the Theory of Planned Behavior
Nadia Soto-Hernández, Universidad del Bio-Bio, Concepción, Chile
Elizabeth E. Grandón, Universidad del Bio-Bio, Concepción, Chile
Patricio Ramírez-Correa, Universidad Católica del Norte, Coquimbo, Chile

6:00 – 7:45 am, MONDAY  Lean and Industry Best Practices  Room 4
Session Chair: Yuvinne Nicolay Guerrero Segovia, USFQ, Ecuador

ID 224  Artificial Intelligence as Support for Product Companies Servitization
Jassen Rodrigues da silva and Alejandro Germán Frank, NEO-UFRGS, Brazil

ID 323  A Systematic Review of Literature about the Influence for Right Project Management Apply to the Good Practices of Lean Manufacture
María Angélica Rodríguez Sánchez, Student of master’s degree / Industrial Engineer, Posgrado CIATEQ A.C./ MI Metal Processing Mexicana, Aguascalientes, Aguascalientes, México
José Carlos Hernández González, Research Associate in Logistics and Supply Chain / Specialized Engineer, IT Management, electronics, and control, CIATEQ A.C, Villahermosa, Tabasco, México

ID 346  Videos to Enhance Level of Interest in Television Shows through YouTube: A Qualitative Study
Irmawan Rahyadi, Communication Department, Master of Strategic Marketing Communication - Binus Graduate Program. Binus University. Indonesia

ID 35  Application of Lean Six Sigma in the Ecuadorian Dairy Industry: Variability Reduction of the Net Weight of Cheeses
Yuvinne Nicolay Guerrero Segovia, USFQ, Ecuador

ID 221  Improvement of the Emergency service of an Ecuadorian children's hospital through Lean Six Sigma
Marcos Buestán Benavides, Cinthia C. Pérez, Andrea García Burgos, Bryan Cantos Sandoval
Facultad de Ingeniería en Mecánica y Ciencias de la Producción, Escuela Superior Politécnica del Litoral, ESPOL, Campus Gustavo Galindo, Guayaquil 090902, Ecuador

ID 461  Factors That Influence Project Resilience: A Literature Review and Bibliometric Study
Arief Prasetyo, Doctor of Research in Management, BINUS Business School, Bina Nusantara University, Jakarta, Indonesia
Mohammad Hamsal, BINUS Business School Doctor of Research in Management, Bina Nusantara University, Jakarta, Indonesia
Asnan Furinto, BINUS Business School Doctor of Research in Management, Bina Nusantara University, Jakarta, Indonesia
Rano Kartono, BINUS Business School Doctor of Research in Management, Bina Nusantara University, Jakarta, Indonesia

6:00 – 7:45 am, MONDAY  Business Management  Room 5
Session Chair: Rizki Amalia Effita, Universitas Nadjatul Ulama Surabaya, Surabaya, Indonesia

ID 154  Role of Accounting Conservatism In Corporate Governance On Tax Avoidance
Heni Agustina, Mohamad Rijal Iskandar Zhulqmain, Rizki Amalia Effita, Hidayatul Khusnah, and Riyani Sisiyawan Putra
Universitas Nadjatul Ulama Surabaya, Surabaya, Indonesia

ID 155  College Students’ Intentions to Invest in the Stock Market: The Role of Individual Factors During the Covid-19 Pandemic
Rizki Amalia Effita, Heni Agustina, Mohammad Rijal Iskandar Zhulqmain, Hidayatul Khusnah, and Riyani Sisiyawan Putra
Universitas Nadjatul Ulama Surabaya, Surabaya, Indonesia

ID 242  Start Up Business ABC Sundanese Kitchen &Coffee Shop
Febrina Fon Bora
Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia 11480

Kenny Putra Aviancy
Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia 11480
Rosalia Siswiharyani  
Management Department, BINUS Business School Undergraduate Program,  
Bina Nusantara University,  
Jakarta, Indonesia 11480

Hendry Hartono  
Management Department, BINUS Business School Undergraduate Program,  
Bina Nusantara University,  
Jakarta, Indonesia 11480

**ID 255 Innovation Performance as Mediator: Does Entrepreneurial Orientation Predict Business Sustainability?**  
Desman Hidayat  
BINUS Entrepreneurship Center, Management Department,  
Bina Nusantara University  
Jakarta, Indonesia 11480

Christian Haposan Pangaribuan  
Faculty of Business  
Sampoerna University  
Jakarta, Indonesia 12780

Okta Prihatma Bayu Putra, Kevin Ganda Setya,  
Michael Agustinus, and Michael Putra Sugiyanto  
BINUS Business School Undergraduate Program, Management Department,  
Bina Nusantara University  
Jakarta, Indonesia 11480

**ID 268 Business strategy of traditional Thai cotton dress for Generation Z On MAE FAH LUANG University**  
Sunida Tiwong  
Business Excellence and Logistics Research Center: BE-Logist, School of Management,  
Mae Fah Luang University, Chiang Rai, Thailand

Punyaporn Suwandecha and Parisa Yeesoonsnee  
Logistics and Supply Chain Management, School of Management,  
Mae Fah Luang University, Chaing Rai, Thailand

**ID 200 The Influence of Leadership Style, Work Motivation, Company Culture on Employee Competency**  
Rath Mutmanikkan Johor  
School of Interdisciplinary Management and Technology  
Institut Teknologi Sepuluh Nopember  
Surabaya, Indonesia

Reny Nadlifatin  
Department of Information Systems  
Institut Teknologi Sepuluh Nopember  
Surabaya, Indonesia

Satria Fadil Persada  
Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

**ID 202 Managing Customers’ Purchase Intention in Fashion Branded: Experience from Indonesia**  
Sidik Budiono  
Department of Management Faculty of Economics and Business  
Universitas Pelita Harapan, Tangerang-15811, Indonesia

John Tampil Purba  
Department of Management Faculty of Economics and Business  
Universitas Pelita Harapan, Tangerang-15811, Indonesia

Emrus Sihombing  
Department of Communication, Faculty of Social & Politic Science  
Universitas Pelita Harapan, Tangerang-15811, Indonesia

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**July 18 (MONDAY) - Session: 8:00 – 9:45 am**

**8:00 – 9:45 am, MONDAY**  
Undergraduate Paper Competition  
**Room 1**

Session Chair: Prof. Don Reimer, IEOM Society International

**ID 10 Machine Learning in Finance: An Application of Predictive Models to Determine the Payment Probability of a Client**  
Andrés Buitrón, Celeste Rodriguez, María Baldeon Calisto  
Universidad San Francisco de Quito, USFQ, Colegio de Ciencias e Ingeniería, Departamento de Ingeniería Industrial and Instituto de Innovación en Productividad y Logística CATENA-USFQ, Diego de Robles s/n y Vía Interoceánica, Quito, Ecuador 170901  
Sebastián Bonilla, Universitat Politècnica de Catalunya- Barcelona Tech, Facultad de Matemáticas y Estadística, Carrer de Jordi Girona, 31, Barcelona España
### ID 29  Design Integrated Information System for Raw Material Logistics in Jewelry Industry Companies with a Business Process Reengineering Approach Study case: PT SKKJewels
Alif Faridaalhaf, University of Indonesia, Indonesia

### ID 41  Occupational accidents due to personal factors and work factors in road work projects in the city of Lima Perú
Juan Francisco Salazar-Tenorio
Dirección General de Estudios de Posgrado Facultad de Ingeniería Geológica, Minera, Metalúrgica y Geográfica
Universidad Nacional Mayor de San Marcos
Lima, Perú
Juan Carlos Quiroz-Flores
Facultad de Ingeniería
Universidad Peruana de Ciencias Aplicadas
Lima, Perú

### ID 42  “Relationships Between Sleep Quality, Fatigue, Stress and Anxiety of IE41S1 in Technological Institute of the Philippine Quezon City: A Multiple Regression Analysis”
Aban Martson, Art Jeffrey’s Castillo, Russel Dela Merced, Donavel Lazarte, Alexander C. Malapitan, Paul Ezekiel Sonza
Department of Industrial Engineering, College of Engineering and Architecture Technological Institute of the Philippines - Quezon City Cubao, Quezon City Philippines

### ID 54  Modelo determinístico bi-objetivo para el diseño de red de cadena de suministro de carne en cortes
MA. Javier Eduardo Arias Osorio, Silvia Natalia Rincón Barajas
Universidad Industrial de Santander
Bucaramanga, Colombia

### ID 112  Application of Machine Learning algorithms for the prediction of payment by agreement in a debt collection company with the CRISP-DM methodology
Martín Calero Peréz, María Baldeon Calisto
Universidad San Francisco de Quito, USFQ, Colegio de Ciencias e Ingeniería, Departamento de Ingeniería Industrial and Instituto de Innovación en Productividad y Logística CATENA-USFQ, Diego de Robles s/n y Vía Interoceánica, Quito, Ecuador 170901
Sebastián Bonilla
Universitat Politecnica de Catalunya- Barcelona Tech, Facultad de Matemáticas y Estadística, Carrer de Jordi Girona, 31, Barcelona España
Daniel Rofírio
Universidad San Francisco de Quito USFQ, Colegio de Ciencias e Ingenierías, Carrera de Ingeniería en Ciencias de la Computación and The Applied Signal Processing and Machine Learning Research Group USFQ, Quito, Ecuador 170157

### ID 146  Discrete Event Modeling for Operational Management of Restaurants
Marcelo Caballero
Facultad de Ingeniería y Arquitectura
Universidad de Lima
Lima, Perú
Gabriel Quesada
Facultad de Ingeniería y Arquitectura
Universidad de Lima
Lima, Perú
Marcos Fernando Ruiz-Ruiz
Associate Professor
Universidad de Lima
Lima, Perú
Wilfredo Yushimito
Associate Professor
Universidad Adolfo Ibáñez Viña del Mar, Chile

### ID 157  The Relationship Between Corporate Social Responsibility and the Internationalization of SMEs in the Peruvian apparel sector
Martín Fidel Collao-Diaz, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Peru
Juan Carlos Quiroz-Flores, Facultad de Ingeniería Industrial, Universidad Nacional Mayor de San Marcos, Lima, Perú
Martha Saavedra-Cielo, Facultad de Negocios, Universidad Peruana de Ciencias Aplicadas, Lima, Perú

### Undergraduate Research Competition
Session Chair: Dr. Jorge Kurita, Research Faculty, Department of Industrial Engineering, Asuncion National University, Paraguay

### ID 15  Low-cost Dietary Plan for COVID-19 Immunity Response Using Mixed-Integer Linear Programming
Allia Coleen S. De Leon, Camille T. Ninobla, Naomi Joyce S. Sibal, Krizia Mile Joy B. Yu, and Engr. Gabriel C. Bucu, CIE, AAE
Department of Industrial Engineering
University of Santo Tomas
Manila, Philippines
ID 38  Comparative Analysis and Evaluation between Traditional and Online Learning in Engineering Education, Focused on Introduction to Engineering
Mary S. Dedel, Daryl N. Magdurulan, Kristian Q. Malaluan and Bea M. Santos
Department of Industrial Engineering
University of Santo Tomas, España Boulevard, Sampaloc, Manila, 1008, Philippines

Asst. Prof. Charmina Lou C. Bautista, MES
Department of Industrial Engineering
University of Santo Tomas, España Boulevard, Sampaloc, Manila, 1008, Philippines

ID 45  A Correlation Study of Perceived Stress and Performance of Internship of Graduating Students
Department of Industrial Engineering – College of Engineering and Architecture
Technological Institute of the Philippines
Cubao, Quezon City Philippines

ID 94  Perceived Stress, Anxiety, and Memory Performance as a Mental Health Indicator among Board Exam Takers in Metro Manila, Philippines
Cabangon, Janis, Corpuz, Mikki Rose, Francisco, Alfred Herson, Hernaez, Joyce, Lagamia, Clark Kenth, Pontillas, Angelo N.
Department of Industrial Engineering, College of Engineering and Architecture Technological Institute of the Philippines – Quezon City
Cubao, Quezon City, Philippines

8:00 – 9:45 am, MONDAY
Lean Six Sigma Competition
Room 3

Session Chair: Prof. Vitor M. Caldana, IFSP – Instituto Federal de São Paulo – Campus Sorocaba, SP, Brazil

ID 69  Material Variance Reduction Through Six Sigma Approach
Marilou Agapay-Bigcas, Klint Allen A. Mariñas, Michael N. Young, and Yogi Tri Prasetyo
School of Industrial Engineering and Engineering Management
Mapúa University
658 Muralla St., Intramuros, Manila 1002, Philippines

Klint Allen A. Mariñas and Yung-Tsan Jou
Department of Industrial and Systems Engineering
Chung Yuan Christian University
Taoyuan City, Taiwan

Reny Nadlifatin
Department of Information Systems,
Institut Teknologi Sepuluh November, Kampus ITS Sukolilo,
Surabaya 60111, Indonesia

ID 80  Inventory Management System Enhancement of a Small-Scale Retail Store Using a Proposed Wireframe
Christian Jay Sesnorio, 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

Reny Nadlifatin
Department of Information Systems,
Institut Teknologi Sepuluh November, Kampus ITS Sukolilo,
Surabaya 60111, Indonesia

ID 196  Application of Lean Six Sigma in Water Testing Laboratory to Increase Efficiency and Enhance Customer Satisfaction
Nomalungelo Magwaza
Department of Quality and Operations Management
University of Johannesburg
South Africa

Dr Anup Pradhan
Department of Quality and Operations Management
University of Johannesburg
South Africa

ID 222  Improvement of the Output of a Berries Producer Through Lean Six Sigma: A Case Study
Isidora Venegas and Mervyn Márquez
Industrial and Systems Engineering Institute
Universidad Austral de Chile
Valdivia, Chile
ID 397  Design a Treadmill HIIT Program with Six Sigma DMAIC Methodology for Diabetic Patients
Mason Chen, Stanford Online High School, San Jose, CA 95131, USA

8:00 – 9:45 am, MONDAY Supply Chain Management (SCM) Room 4
Session Chair: I Gede Arei Banyupramesta, Institut Teknologi Sepuluh Nopember, Surabaya, 60111, Indonesia

ID 4  Impact of Supply Chain Collaboration on the Tanzanian Agri-food Supply Chain. Intervening effect of Partner Commitment and Transaction Cost Management
Bajjet Sylvester Naresho, Imran Ali and Delwar Akbar
School of Business and Law, Central Queensland University Australia.

ID 81  Will Blockchain Technology Meets Diffusion and Adoption Traceability Technology of Supply Chain Management Among Mangosteen Farmers?
Resista Vikaliana
PhD Student
Faculty of Technology Management and Business
Universiti Tun Hussein Onn Malaysia
Johor, Malaysia

Raja Zuraidah Raja Mohd Rasi
Associate Professor in Supply Chain Management
Faculty of Technology Management and Business
Universiti Tun Hussein Onn Malaysia
Johor, Malaysia

I Nyoman Pujawan
Full Professor in Industrial Engineering
Department of Industrial Engineering, Institut Teknologi Sepuluh November, Surabaya, Indonesia

Inwansyah
Researcher in Operation Management
Department of Management, STIE Syariah Gasantara, Sukabumi, Indonesia

ID 249  Proposal for the location of facilities with a humanitarian approach
Rafael Granillo-Macías, Francisca Santana-Robles, Isidro J. González-Hernández, Quetzali Vicelis-Tellez, Atziri Wendy Sanchez-Oropeza
Universidad Autonoma del Estado de Hidalgo, Campus Sahagún, Tepeapulco, Hidalgo, México

ID 253  House of Risk (HOR) Analysis as a Supply Chain Risk Mitigation Method at CV. XYZ
Rienna Oktarina and Shonia Gunawan
Industrial Engineering Department, Faculty of Engineering
Bina Nusantara University, Jakarta, Indonesia 11480

ID 274  Bibliometric Analysis of Publications Related to Supply Chain Management in Restaurants Before and After the COVID-19 Pandemic in the Period 2010-2022
Francisco Alejandro Au Chui
Facultad de Ingeniería y Arquitectura
Carrera de Ingeniería Industrial
Universidad de Lima
Lima, Peru

Gonzalo Alejandro Paz Loo
Facultad de Ingeniería y Arquitectura
Carrera de Ingeniería Industrial
Universidad de Lima
Lima, Peru

Yvan Jesus Garcia Lopez
Facultad de Ingeniería y Arquitectura
Carrera de Ingeniería Industrial
Universidad de Lima
Lima, Peru

ID 327  Multi-Depot Vehicle Routing Problem with Heterogeneous Fleet for Distribution of Fuel Products in The Eastern Region of Indonesia
Totok Joni DPS, Suparno, I Ketut Gunarta
Industrial and Systems Engineering Department, Sepuluh November Institute of Technology

ID 331  Distribution Route Optimization using Fleet Size and Mix Vehicle Routing Problem: A Case Study at Bali-Nusa Tenggara LNG Distribution
I Gede Arei Banyupramesta, S. T
Department of Industrial and Systems Engineering
Friday, July 22, 2022
Room 5

ID 87  The Role Of Accounting Conservatism Influence Financial Distress And Litigation Risk On Sustainability Report Of Infrastructure Companies Listed On Indonesian Stock Exchange For The Period 2019 – 2021

SILVIA DEWIYANTI
Accounting Department, School of Accounting
Bina Nusantara University
Jakarta, Indonesia

BINA RAHAYU WARDANI
Accounting Department, School of Accounting
Bina Nusantara University
Jakarta, Indonesia

MELINDA AMELIA
Accounting Department, School of Accounting
Bina Nusantara University
Jakarta, Indonesia


Silvia Dewiyanti, S.E., M.Si., Ak., CA., CSRA
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Meldila
Accounting Department, School of Accounting
Bina Nusantara University
Jakarta, Indonesia

Chayaningsih
Accounting Department, School of Accounting
Bina Nusantara University
Jakarta, Indonesia

ID 197  The Influence of Pro-Environmental Behaviour on the Leadership for Sustainability Among Employees in Jakarta

Maria Grace Herlina*
Senior Lecturer, Management Department
BINUS Business School Undergraduate Program
Bina Nusantara University
Jakarta, Indonesia 11480

Rivaldo
Senior Student, Management Department
BINUS Business School Undergraduate Program
Bina Nusantara University
Jakarta, Indonesia 11480

ID 223  Maintenance of Ecosystem Services Combined with Wind Generation as an Alternative to the Decommissioning of Fixed Platforms

Douglas Vieira Barboza
Petropolis School of Engineering
Fluminense Federal University
Petrópolis, Rio de Janeiro, Brazil

Marcelo Jasmim Meiriño
Department of Civil Engineering
Fluminense Federal University
Niterói, Rio de Janeiro, Brazil

Sérgio Ricardo da Silveira Barros
Department of Geoenvironmental Analysis
Fluminense Federal University
Niterói, Rio de Janeiro, Brazil
ID 263  An Escaping Space Adopting the Adaptive Reuse and Third Place Concept. Case Study: Gedung Filateli, Pasar Baru, Jakarta
Ade Aryani Sari Fajarwati, Octaviana Sylvia Caroline Rombe, 
Ika Rachmayanti, Silvia Meliana
Interior Design Department, School of Design 
Bina Nusantara University, Jakarta, Indonesia 11480
Lena Henry
School of Architecture and Planning 
The University of Auckland, Aotearoa, New Zealand

ID 264  Sustainable Materials Application in Interior Elements as Stimulant of The Visually Impaired Person’s Movement in PSBN Wyata Guna’s Dining Area
Deanawati Insani Wasilah
Faculty Member, Interior Design Department 
Bina Nusantara University 
Bandung, Indonesia 40181
Friska Amalia
Faculty Member, Interior Design Department 
Bina Nusantara University 
Bandung, Indonesia 40181
Janice Florencia Rachmat
Student, Interior Design Department 
Bina Nusantara University 
Bandung, Indonesia 40181

ID 281  Determinant Factors for Managing Competitive Advantage on Organizational Sustainability
Ria Emilia Sari1, Mohammad Hamsal2, Asnan Furinto3, Rano Kartono4
Doctor of Research in Management
BINUS Business School 
Bina Nusantara University Asuncion 
Jakarta Selatan, DKI Jakarta, Indonesia

ID 316  China Diplomacy and Manufacturing Hydro Dam in Mekong River
Moch Faisal Karim
Assistant Professor 
Bina Nusantara University 
Jakarta, Indonesia
Dewi Mustika Sari
Centre for Business and Diplomatic Studies (CBDS) 
Jakarta, Indonesia

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**July 18 (MONDAY) - Session: 10:00 – 11:45 am**

**10:00 – 11:45 am, MONDAY**  
**Undergraduate Paper Competition**  
**Room 1**

**Session Chair: Prof. Don Reimer, IEOM Society International**

ID 339  The Use of Social Media in Digital Marketing: Case Study at Ijo Coffee Shop Malang
Yosephine Aurellia Purnomo and Yanuarita Kusuma Permata Sari
Communication Science Department, Faculty of Digital Communication, Hotel and Tourism, Bina Nusantara University, Jakarta, Indonesia 11480

ID 340  Communication Process of Private Education Institution's Marketing Team in TikTok for Marketing Activity
Jonathan Alexander Citra and Yanuarita Kusuma Permata Sari
Communication Science Department, Faculty of Digital Communication, Hotel and Tourism, Bina Nusantara University, Jakarta, Indonesia 11480

ID 180  Production Model to increase OEE through the application of Lean Manufacturing and Total Production Maintenance tools in animal feed manufacturing SMEs
Angelo Paolo Espinoza-Monge, Yibely Alexandra Zenteno-Corra, Juan Carlos Quiroz-Flores and Martin Fidel Collao-Diaz
Universidad de Lima Facultad de Ingeniería y Arquitectura Lima, Perú

ID 280  Impact of the preschool program on the socio-connective variables developed by the beneficiary children: the case of rural morocco
Soumia Ettahri
PhD student 
Faculty of Law, Economics and Social Sciences 
Ibn Toufail University Kénitra, Morocco 
Laboratory of Economics and Management of Organizations
Rachid Hasnaoui
Professor 
Faculty of Law, Economics and Social Sciences 
Ibn Toufail University, Kénitra
IEOM Paraguay Conference  
PARALLEL SESSIONS  
July 18-21, 2022

Laboratory of Economics and Management of Organizations

**ID 290**  
Productivity increasing through the implementation of a service management model based on Lean Service, MRP, and SLP in cleaning and pet care services SMEs  
Leonardo Calmet-Olivos, Alexandra Rosas-Herrera, Juan Carlos Quiroz-Flores and Martin Fidel Collao-Díaz  
Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima Perú

**ID 324**  
Increasing the level of service through the implementation of 5S and MRP tools in SMEs marketing pharmaceutical products: An empirical investigation in Peru  
Angela Victoria Rodríguez-Quispe, Bressia Karen Salvatierra-Hoyos, Martin Fidel Collao-Díaz and Juan Carlos Quiroz-Flores  
Faculty of Engineering and Architecture, University of Lima, Lima, Peru

**ID 364**  
Analysis of the contribution of Social Innovation during the COVID-19 pandemic  
Bladimir Antigua Alejandro  
Undergraduate student  
National University of San Marcos  
Lima, Perú  
Johana Surco Huancas  
Undergraduate student  
National University of Engineering  
Lima, Perú

**10:00 – 11:45 am, MONDAY**  
**Graduate Student Paper Competition**  
**Room 2**

Session Chair: Dr. Jorge Kurita, Research Faculty, Department of Industrial Engineering, Asuncion National University, Paraguay

**ID 71**  
Using Fuzzy Logic in Manual Test Script Authoring Effort Estimation in Software Test Planning  
Ralph Andre C. Roque, 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 11480, Indonesia

**ID 74**  
Application of Linear Programming Model for Volume allocation per Area for Service Partners  
Eloisa M. Lazaro, 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  
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Department of Industrial and Systems Engineering  
Chung Yuan Christian University  
Taoyuan City, Taiwan  
Reny Nadlifatin  
Department of Information Systems,  
Institut Teknologi Sepuluh November, Kampus ITS Sukolilo,  
Surabaya 60111, Indonesia

**ID 269**  
The Potential of Rainwater Harvesting as an Optional Water Supply of Building XYZ  
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  
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Taoyuan City, Taiwan  
Reny Nadlifatin  
Department of Information Systems,  
Institut Teknologi Sepuluh November, Kampus ITS Sukolilo,  
Surabaya 60111, Indonesia
10:00 – 11:45 am, MONDAY    Competitions    Room 3
Session Chair: Prof. Vitor M. Caldana, IFSP – Instituto Federal de São Paulo – Campus Sorocaba, SP, Brazil

Masters Thesis Competition
ID 173    The Impact of Korean Celebrity Endorsements Toward Purchase Intention in Indonesia Marketplace that mediated by Brand Image and Brand Attitude
Friska Tiara
Business Management, Management Department
Binus Business School Master Program
Bina Nusantara University
Jakarta, Indonesia 11480

Willy Gunadi
Business Management, Management Department
Binus Business School Master Program
Bina Nusantara University
Jakarta, Indonesia 11480

ID 193    Selection Of Power Plant Management In Order To De-Dieselisation Program Of Pltd Kangean Using Analytical Hierarchy Process (Ahp) And Goal Programming
Dwi Septiyan Waluyo1, Udisubakti Ciptomulyono2
1Master’s Student of Sekolah Interdisiplin Manajemen Teknologi
2 Lecturer of Sepuluh Nopember Institute of Technology
Sepuluh Nopember Institute of Technology
Surabaya, Indonesia

Supply Chain and Logistics Competition
ID 70    Implementing Digital Procurement in Construction Industry
Clarinda Joanne Ellorin Igros, 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

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Chung Yuan Christian University
Taoyuan City, Taiwan

Reny Nadlifatin
Department of Information Systems,
Institut Teknologi Sepuluh November, Kampus ITS Sukolilo,
Surabaya 60111, Indonesia

ID 72    Assessment and Development of Vendor Management System (VMS) of Company OPQ: A Case Study
Michael Andrew O. Yagin, 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
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Chung Yuan Christian University
Taoyuan City, Taiwan

Satria Fadil Persada
Entrepreneurship Department,
BINUS Business School Undergraduate Program, Bina Nusantara University
Jakarta 11480, Indonesia

ID 75    Modelling the Risk Susceptibility of Agro-Industry Circular Supply Chain During Major Disruptions: A Life Cycle Perspective
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,
ID 387  Moderating Effect of Supply Chain Complexity on Supply Chain Alignment and Resilience: A Study of Blockchain Applications on Logistics Service Providers

Dicky Hida Syahchari  
Assistant Professor  
Management Department, Bina Nusantara University, Jakarta, Indonesia 11480

Darjat Sudrajat  
Assistant Professor  
Management Department, Bina Nusantara University, Jakarta, Indonesia 11480

Hardijanto Saroso  
Assistant Professor  
Management Department, Bina Nusantara University, Jakarta, Indonesia 11480

Hendry Hartono  
Assistant Professor  
Management Department, Bina Nusantara University, Jakarta, Indonesia 11480

Andre Kreie  
Director Logistics Education - LEED  
Kuehne Foundation  
Switzerland

ID 385  Why Service Climate Matters for Supply Chain Adaptability and Resilience of Logistics Service Provider: A Study of Blockchain Applications

Dicky Hida Syahchari  
Assistant Professor  
Management Department, Bina Nusantara University, Jakarta, Indonesia 11480

Darjat Sudrajat  
Assistant Professor  
Management Department, Bina Nusantara University, Jakarta, Indonesia 11480

Hardijanto Saroso  
Assistant Professor  
Management Department, Bina Nusantara University, Jakarta, Indonesia 11480

Engkos Achmad Kuncoro  
Associate Professor  
Management Department, Bina Nusantara University, Jakarta, Indonesia 11480

Andre Kreie  
Director Logistics Education - LEED  
Kuehne Foundation  
Switzerland

10:00 – 11:45 am, MONDAY  
Industry 4.0 - Special Track  
Room 4  
Session Chair: Rafael de Oliveira Vargas

ID 2  Blockchain Technology and Supply Chain: A Application Review

Alexandre do Valle Faria  
Departamento de Engenharia  
Universidade Federal Fluminense  
Rio de Janeiro, Brasil

Carlos Eduardo R. B. Barateiro  
Departamento de Engenharia  
Universidade Estácio de Sá  
Macaé, Brasil

José Rodrigues de Farias Filho
ID 44 Winning Strategy in the 2019 Election In Sambas District, West Kalimantan, Indonesia In The Industrial Era 4.0
Bakran Suni, Universitas Tanjungpura, Pontianak Indonesia
Dedi Kusnadi, Universitas Tanjungpura, Pontianak Indonesia
Elyta, Universitas Tanjungpura, Pontianak Indonesia

ID 93 Connectivity as a Future of Customer Experience Management in Automotive Industry in Industrial Revolution 4.0
Wahyu Sardjono
Information Systems Management Department,
BINUS Graduate Program – Master of Information Systems Management,
Bina Nusantara University
Indonesia 11480

Haryoto Kusnoputranto
Professor, Department of Environmental Health, Faculty of Public Health,
University of Indonesia,
Indonesia

Johan
School of Information systems
Bina Nusantara University
Indonesia 11480

Hargo Utomo
Department of Management, Faculty of Economics and Business,
Universitas Gadjah Mada
Indonesia

Samudra Sukardi
Post Graduate Program, Study Program of Management Science,
Faculty of Economic and Business,
University of Indonesia,
Indonesia

ID 169 Automation of a Methanol Storage Center for Application in Heat Treatment Furnaces
Gian Ricardo Corrêa Silva
Federal Institute of São Paulo (IFSP) – Sorocaba Campus
Sorocaba, Sao Paulo, Brazil

Vitor Mendes Caldana and Sergio Shimura

ID 283 Industry 4.0 Solutions Network for Wire Harness Test Equipment Industry
Angela Neves
Department of Mechanical Engineering
Polytechnic Institute of Viseu
3504-510 Viseu, Portugal

Radu Godina
UNIDEMI, Faculty of Science and Technology (FCT)
Universidade NOVA de Lisboa
2829-516 Caparica, Portugal

Elisa S. Rosa
Business Software Company
Lisboa, Portugal

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INESC-ID & Instituto Superior Técnico, Sustainable Power Systems Group
Av. Rovisco Pais 1, 1049-001 Lisboa, Portugal

João C.O. Matias
GOVCOPP, Unidade de Investigação em Governança, Competitividade e Políticas Públicas
Universidade de Aveiro
Campus Universitário de Santiago, 3810-193 Aveiro, Portugal

ID 349 Defense 4.0: A Bibliometric Review and Future Research Agenda
Rafael de Oliveira Vargas
Master's Student in Logistics
Industrial Engineering Department, Pontifical Catholic University of Rio de Janeiro (PUC-Rio),
Rio de Janeiro, RJ, Brazil

Rodrigo Goyannes Gusmão Caiado
### 10:00 – 11:45 am, MONDAY

**Session Chair:** Lucero Nicole Huerta-Tantalean

<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
<th>Authors</th>
<th>Institutions</th>
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<td>Financial Distress on Financial Statement Fraud: The Moderate Role of Female CEO</td>
<td>Hidayatul Khusnah, Riyan Sisiawan Putra, Heni Agustina, Rizki Amalia Elfita, Mohamad Rijal Iskandar Zhulqurnain, Ifah Nurdiana</td>
<td>Universitas Nahdlatul Ulama Surabaya</td>
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<td>The Effect of Organizational Culture on Employee Performance Through Job Satisfaction as A Variable of Mediation in Primebiz Hotel Surabaya</td>
<td>Riyan Sisiawan Putra, Hidayatul Khusnah, Heni Agustina, Mohamad Rijal Iskandar Zhulqurnain, Abdul Aziz Bandar Basag, and Rizki Amalia Elfita</td>
<td>Universitas Nahdlatul Ulama Surabaya Surabaya, Indonesia Indriaranwati Usman Airlangga University Surabaya, Indonesia</td>
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<td>Comparison between Generation X and Generation Y on the Preferred Retention Factors</td>
<td>Jefta Harlianto and Rudi Management Department</td>
<td>BINUS Business School Undergraduate Program, BINUS University, Jakarta, 11530, Indonesia</td>
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<td>The Role of Workload and Organizational Culture on Employee Performance with Work Life Balance as an Intervening Variable during a WFH &amp; WFO Implementation</td>
<td>Shelvy Kurniawani*, Dikcy Hardiyanti2, Eka Widya Sari3 Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jl. K.H. Syahdan No. 9, Palmerah, Jakarta 11480, Indonesia</td>
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<td>171</td>
<td>Understanding Social Media Marketing to Emotional Experience: Self-congruence Theory Perspective</td>
<td>Rini Setiawati Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia 11480</td>
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<td>Staff Turnover and Job Performance of Janitors and Cleaning Workers: A correlational study in MYPES</td>
<td>Franklin Cordova-Buiza Research, Innovation and Social Responsibility Department Universidad Privada del Norte Lima, Peru</td>
<td>Lucero Del Rosario Rojas-Delgado Business Faculty, Administration and Marketing Universidad Privada del Norte Lima, Peru</td>
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<td>Lucero Nicole Huerta-Tantalean Business Faculty, Administration and Tourism Services Universidad Privada del Norte Lima, Peru</td>
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<td>175</td>
<td>Behavior of the Peruvian Consumer Towards American Casual Dining Restaurant Chains</td>
<td>Lucero Nicole Huerta-Tantalean Business Faculty, Administration and Tourism Services Universidad Privada del Norte Lima, Peru</td>
<td>Nataly Alexis Carrasco-Carrasco Maria Eugenia Castillo-Silva Business Faculty, Administration and Marketing Universidad Privada del Norte Lima, Peru</td>
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<td>Franklin Cordova-Buiza Research, Innovation and Social Responsibility Department Universidad Privada del Norte Lima, Peru</td>
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</table>
ID 401  Aircraft Material Purchasing Planning Optimization Using 3 Different Model (Economic Order Quantity, Least Unit Cost And Wagner Within Algorithm)

Mukhammad Yusuf Hakim, Komarudin and Elsa Safira
Industrial Engineering Department, Faculty of Engineering
Universitas Indonesia
Depok, Jawa Barat, Indonesia

July 18 (MONDAY) - Session: 12:00 – 1:45 pm

12:00 – 1:45 pm, MONDAY   Undergraduate Paper Competition    Room 1
Session Chair: Prof. Don Reimer, IEOM Society International

ID 389  Classification of Drug Data Planning Using K-Nearest Neighbors Algorithm

Lisa Dwi Novitasari
Informatics Department
Faculty of Science and Informatics
Universitas Jenderal Achmad Yani
Cimahi, Indonesia

Wina Witanti
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Universitas Jenderal Achmad Yani
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Melina
Informatics Department
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Universitas Jenderal Achmad Yani
Cimahi, Indonesia

Asep Id Hadiana
Informatics Department
Faculty of Science and Informatics
Universitas Jenderal Achmad Yani
Cimahi, Indonesia

ID 383  Prediction of Asteroid Hazard Distance through Earth's Orbit Using K-Nearest Neighbor Method

Syahrul Firdaus
Informatics Department
Faculty of Science and Informatics
Universitas Jenderal Achmad Yani
Cimahi, Indonesia

Wina Witanti
Informatics Department
Faculty of Science and Informatics
Universitas Jenderal Achmad Yani
Cimahi, Indonesia

Melina
Informatics Department
Faculty of Science and Informatics
Universitas Jenderal Achmad Yani
Cimahi, Indonesia

Asep Id Hadiana
Informatics Department
Faculty of Science and Informatics
Universitas Jenderal Achmad Yani
Cimahi, Indonesia

ID 384  Comparison Between Davies-Bouldin Index And Silhouette Coefficient Evaluation Methods In Retail Store Sales Transaction Data Clusterization Using K-Medoids Algorithm

Kholiq Amrulloh
Informatics Department
Faculty of Science and Informatics
Universitas Jenderal Achmad Yani
Cimahi, Indonesia
Tacbir Hendro Pudjiantoro  
Informatics Department  
Faculty of Science and Informatics  
Universitas Jenderal Achmad Yani  
Cimahi, Indonesia

Puspita Nurul Sabrina  
Informatics Department  
Faculty of Science and Informatics  
Universitas Jenderal Achmad Yani  
Cimahi, Indonesia

Asep Id Hadiana  
Informatics Department  
Faculty of Science and Informatics  
Universitas Jenderal Achmad Yani  
Cimahi, Indonesia

**ID 435  Agility and Lean in the Supply Chain in Manufacturing SMEs: A Review of the Literature**

Jorge Enrique Cabrera-Pacheco, Oscar Edinson Cueva-Quiroz  
Students  
Facultad de Ingeniería y Arquitectura  
Universidad de Lima  
Lima, Perú

Juan Carlos Quiroz-Flores, Bertha Haydeé Díaz-Garay  
Research Professors  
Facultad de Ingeniería y Arquitectura  
Universidad de Lima  
Lima, Perú

**ID 422  Assignment of Patients to ICU Beds in Health Emergency Situations through Mathematical Programming**

Betania Echagüe, Sannie Román  
Estudiantes de Ingeniería en Sistemas de Producción  
Facultad Politécnica – Universidad Nacional de Asunción  
Asunción, Paraguay

María M. López, Jorge L. Recalde-Ramírez  
Grupo de Investigación de Operaciones e Inteligencia Artificial (GIOIA)  
Facultad Politécnica – Universidad Nacional de Asunción  
Asunción, Paraguay

**ID 418  Design and Testing for a Passive Stabilizer Fin for a Rocket.**

Marcos Antonio Gonzalez  
Undergraduate Student  
Facultad Politécnica  
Universidad Nacional de Asunción  
Asunción, Paraguay

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**DOCTORAL DISSERTATION COMPETITION**

ID 113  Excellence DNA: A Practical Framework for Organizational Excellence  
Alaa M. Ubaid  
University of Sharjah  
College of Engineering  
Department of Industrial Engineering & Engineering Management

**SIMULATION COMPETITION**

ID 30  Machining process optimization using simulation in Flexsim  
Gabriela Barbosa  
Gabriela Padilha  
Halana Bueno  
Renan Pontes  
Samuel Francisco das Virgens  
Rodrigo Luiz Gigante  
Henrique Ewbank
COVID-19 ANALYTICS COMPETITION

**ID 148**  
**Studying the COVID-19 Impact on the Antarctic Glacier Melting Rate**  
Mason Chen  
Stanford OHS, Academy Hall Floor 2 8853 415 Broadway  
Redwood City, CA 94063, USA

**ID 395**  
**Design of a Localized Air Exhaust System For an Undergraduate Dental Practice Room Under Covid-19 Context, a Case Study**  
Elías Espínola  
Universidad Nacional de Asunción  
Asunción, Paraguay  
Vivían González  
Universidad Nacional de Asunción  
Asunción, Paraguay  
Liz Esquivel  
Universidad Nacional de Asunción  
Asunción, Paraguay

**12:00 – 1:45 pm, MONDAY**  
Senior Design Competition  
Room 3

**12:00 – 1:45 pm, MONDAY**  
IoT  
Room 4

**ID 382**  
**Gubo: iOS Based Travel Destination and Itinerary**  
Daniel Anadi Bagaskara  
Mobile Application & Technology Program, Computer Science Department,  
School of Computer Science, Bina Nusantara University,  
Jakarta, Indonesia 11480  
Davia Belinda  
Mobile Application & Technology Program, Computer Science Department,  
School of Computer Science, Bina Nusantara University,  
Jakarta, Indonesia 11480  
Brilly Andro Makalew  
Mobile Application & Technology Program, Computer Science Department,  
School of Computer Science, Bina Nusantara University,  
Jakarta, Indonesia

**ID 43**  
**Bitcoin's Influence on China's Political Policy from a Realist Perspective**  
Muhammad Rifqi Fadhil and Roseno Aji Affandi  
International Relations Department, Faculty of Humanities  
Bina Nusantara University  
Jakarta, Indonesia 11480

**ID 89**  
**Heritage Hotel Development: How Virtual Reality Could Support the Sustainable Business Performance**  
Agung Gita Subakti, Tiurida Lily Anita, and Ganang Adityo Prakoso  
Department of Hotel Management, Faculty of Economics and Communication,  
Bina Nusantara University, Jln KH Syahdan No 9, Kemanggisan, Palmerah,  
Jakarta 11480, Indonesia  
Andhyka Tyaz Nugraha  
Department of Industrial Engineering, Faculty of Technology Production and  
Industrial, Institut Teknologi Sumatera, South Lampung, Indonesia 35365

**ID 247**  
**Raspberry Pi Zero Door Locking System with Face Recognition using CNN (Convolutional Neural Network) and Fingerprint Sensor**  
Jimmy Linggarjati  
Department of Computer Engineering  
Bina Nusantara University  
Kebon Jeruk, Jakarta, Indonesia

**ID 254**  
**BeeDelibox: A Better Solution for Food and Beverage Delivery Box Based on Authorization**  
Maria Seraphina Astriani, Andreas Kurniawan and Nunung Nurul Qomariyah
Computer Science Department, Faculty of Computing and Media  
Bina Nusantara University  
Jakarta, Indonesia 11480

Arif Priyono, Susilo Ahmad  
Visual Communication Design, School of Design  
Bina Nusantara University  
Jakarta, Indonesia 11480

**ID 257 Automatic Clothes Retriever (ACR)**  
Rico Wijaya, Ivan Alexander, Adira Dzaky, and Muhammad Faisal Fadhil  
Computer Engineering Department  
Bina Nusantara University  
Jakarta Barat, DKI Jakarta, Indonesia

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**12:00 – 1:45 pm, MONDAY**  
**Engineering Education**  
**Room 5**

Session Chair: Derlis Ortiz Coronel

**ID 25**  
**Impact of Personal and Academic Factors on Outcome-Based Education of Third-Year Engineering Students in the University of Santo Tomas Delivered Through Full Online Modality**  
Alyanna Micayla Lascano  
University of Santo Tomas  
Philippines

**ID 95**  
**Happiness Level Among School Staff During COVID-19**  
Anwar Hamdan  
Industrial Engineering and Engineering Management  
College of Engineering, University of Sharjah  
Sharjah, UAE

**ID 156**  
**Analysis of Surface Roughness by Turning Process Using Taguchi Method on Aluminium 6061**  
Rahul Ponnaluri  
UG student, Department of Mechanical Engineering  
Vignan's Institute of Information Technology, Visakhapatnam, India

Samireddy Ganesh  
UG student, Department of Mechanical Engineering  
Vignan's Institute of Information Technology, Visakhapatnam, India

Vanaparthi Shanmukeshwara Rao  
UG student, Department of Mechanical Engineering  
Vignan's Institute of Information Technology, Visakhapatnam, India

Gopisetti Sai Naga Mahesh Kumar  
UG student, Department of Mechanical Engineering  
Vignan's Institute of Information Technology, Visakhapatnam, India

Mycharla Leela Manohar  
UG student, Department of Mechanical Engineering  
Vignan's Institute of Information Technology, Visakhapatnam, India

Ch. Siva Ramakrishna  
Associate Professor, Department of Mechanical Engineering  
Vignan's Institute of Information Technology, Visakhapatnam, India

**ID 217**  
**Learning and Gamification**  
Hector F Gomez A, Universidad Tecnica de Ambato, Ecuador

**ID 177**  
**Analyzing A Factory’s Relocation Through Cost Analysis Techniques.**  
Dr. Sobhi Mejjaouli  
Assistant Professor of Industrial Engineering  
Faculty of Engineering  
Al Faisal University  
Riyadh, Saudi Arabia

Badr Abutaleb  
Student of Industrial Engineering  
College of Engineering  
Al Faisal University  
Riyadh, Saudi Arabia

Ahmed Al Munajem  
Student of Industrial Engineering  
College of Engineering  
Riyadh, Saudi Arabia
ID 413  Workshop evaluating the systems integration of a CubeSat as an effective tool for STEAM education, a case study of work in progress

Derlis Ortiz Coronel, Claudia Rolon
Adjunct Researchers
Facultad Politecnica
Asuncion, Paraguay

Cristhian Coronel
Adjunct Professor
Universidad Nihon Gakko
Fernando de la Mora, Paraguay

Hector Velazquez
Undergraduate Student
Facultad de Ingenieria
Universidad Nacional de Asuncion
Asuncion, Paraguay

Jorge Kurita
Research Professor
Universidad Nacional de Asuncion
Asuncion, Paraguay

July 18 (MONDAY) - Session: 2:00 – 3:45 pm

ID 430  Design of a Production Plan and Inventory of Silk Skeins from the Breeding of Bombyx mori Worms
Sara R. Peralta-Chávez, Sara A. Ruiz Díaz-Villagra, Jorge L. Recalde-Ramírez and María M. López
Grupo de Investigación de Operaciones y Logística
Departamento de Ingeniería Industrial
Facultad de Ingeniería
Universidad Nacional de Asunción
San Lorenzo, Paraguay

ID 391  Improvement of Productivity in the Circular Knitting Area, using Lean Methodologies in SMEs of the Textile Sector
Jean Piero Primo-Valdiviezo, Pedro Ramos-Luque
Students
Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú

Juan Carlos Quiroz-Flores
Research Professor
Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú

ID 433  The impact of COVID-19 on the supply chain disruption of Micro and small companies in the confection sector in Lima during 2020 and 2021
Diana Elva Quiñones-Gavilán, Martin Alonso Quispe-Pineda
Students
Facultad de Ingeniería y Arquitectura
Universidad de Lima
Lima, Peru

Juan Carlos Quiroz-Flores, Bertha Haydéé Diaz-Garay
Research Professors
Universidad de Lima
Lima, Peru

ID 429  Thermal Vacuum Chamber Structure Design for a 1U CubeSats
Esteban Acosta Mellid
Undergraduate Student
Facultad de Ingeniería
Universidad Nacional de Asuncion
Asunción, Paraguay

Jorge Kurita
Research Professor
Facultad de Ingeniería
Universidad Nacional de Asuncion
Asunción, Paraguay
ID 424 Two-Speed Parachute Design Applied to Medium Payload, a Case Study
Kevin Lezcano, Marcos Denis, Liz Monges, Elio Lezcano, Jesus Bobadilla.
Undergraduate Student
Facultad Politecnica
Universidad Nacional de Asunción
Jorge Kurita
Research Professor
Facultad Politecnica
Universidad Nacional de Asunción

ID 434 Use of Waste to Obtain Energy in Latin America: A Systematic Review
María Julia Alva-Villavicencio and Natalia Figueroa-Bardalez
Students
Facultad de Ingeniería y Arquitectura
Universidad de Lima
Lima, Perú
Juan Carlos Quiroz-Flores and Marcos Fernando Ruiz-Ruiz
Research Professors
Facultad de Ingeniería y Arquitectura
Universidad de Lima
Lima, Perú

2:00 – 3:45 pm, MONDAY Poster Competition Room 2
Session Chair: Dr. Hayder Zghair

ID 431 A Low-Cost Geomagnetic Field Station
Christian Paniagua
Estudiante de Ingeniería Electrónica – Facultad de Ingeniería
Universidad Nacional de Asunción
San Lorenzo, Paraguay
Gustavo Menesse
Físico Investigador del laboratorio de Física – Facultad de Ciencias Exactas
Universidad Nacional de Asunción
San Lorenzo, Paraguay
Jorge Molina
Físico Investigador del laboratorio de Mecánica y Energía – Facultad de Ingeniería
Universidad Nacional de Asunción
San Lorenzo, Paraguay
Diego Stalder
Físico Investigador del laboratorio de Mecánica y Energía – Facultad de Ingeniería
Universidad Nacional de Asunción
San Lorenzo, Paraguay

ID 51 Innovative Learning Environment for Problem-solving Collaboration
Department of Industrial Systems and Technology
College of Science, Engineering and Technology
James Ejiwale, Jackson State University
1400 J. R. Lynch Street, Jackson, MS 39217

ID 52 Correlation Between Pre-existing Health Conditions with Dental Operations and Oral Health
Calvin Boothe
Kennesaw Mountain High School
Advanced Scientific Research IV
Angela Wood

ID 53 Music Educators’ Attitudes Towards Gender Bias in Instrument Selection
John Chow
Kennesaw Mountain High School
Advanced Scientific Research and Internship IV

ID 67 Effects and Wear of Dental Materials
Christy Dao  
Kennesaw Mountain High School  
Advanced Scientific Research IV  
Angela Wood  

**ID 79**  
The Correlation Between Periodontitis and the Frequency of Semi-Annual Dental Cleanings  
Hannah Huff  
Kennesaw Mountain High School  
Advanced Scientific Research IV  
Angela Wood, Georgia, United States  

**ID 147**  
Time Series ARIMA Study of Antarctic Glacier Melting  
Mason Chen  
Stanford Online High School  
San Jose, CA 95131, USA  

**ID 213**  
Pedals Clean Energy and Health: Smartphone and Tablets Charger  
Cesar Hipólito Pinto, Instituto Tecnologico da Aeronautica, Brazil  

**ID 275**  
Portfolio Management of Social Projects: A Case Study in IFSP - 2021  
Anne Karolyne de Almeida Lima and Vitor Mendes Caldana  
Federal Institute of Sao Paulo (IFSP) – Sorocaba Campus  
Sorocaba, Sao Paulo, Brazil  

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**2:00 – 3:45 pm, MONDAY**  
**AI**  
Room 4  
Session Chair: Taoufiq Yahyaoui  

**ID 386**  
Structural Transformation and Productivity Growth in Morocco  
Abdelghani Bensaïd  
Ph.D. student, Faculty of Law, Economic and Social Sciences Agdal  
Mohamed V Rabat University  
Rabat, Morocco  

Taoufiq Yahyaoui  
Professor, Faculty of Law, Economic and Social Sciences Agdal  
Mohamed V Rabat University  
Rabat, Morocco  

Outmane Soussi Noufall  
Professor, Faculty of Law, Economic and Social Sciences Salé  
Mohamed V Rabat University  
Rabat, Morocco  

**ID 426**  
Feature Selection within Time Series Clustering: A Case Study of Dengue in Paraguay  
M. Giohanna Martinez, Diego H. Stalder and Christian E. Schaerer  
Facultad de Ingeniería, Universidad Nacional de Asunción  
Asunción, Paraguay  

Juan V. Bogado  
Universidad Nacional de Caaguazu  
Caaguazu, Paraguay  

**ID 421**  
Hyperparameter Optimization of Deep Learning Model for Short-Term Electricity Demand Forecasting  
Félix Morales, Carlos Sauer, Hans Mersch, Diego H. Stalder  
Facultad de Ingeniería  
Universidad Nacional de Asunción  
Asunción, Paraguay  

Miguel García Torres  
Data Science and Big Data Lab  
Universidad de Olavide  
España, Sevilla  

**ID 427**  
Natural Language Processing to Improve Information Retrieval for Meeting Minutes Written in Brazilian Portuguese  
Ovídio José Francisco  
Professor at Facens  
Sorocaba, Sao Paulo, Brazil  

**ID 390**  
Implementation of Open-Source Technology to Accelerate the Development of Industrial Automation in Paraguay  
Nicolas Ferreira
ID 432  Design of Metallic Pedestrian Bridge for Accessing to the National University of Asunción Campus, a Case Study

Lino Sosa
Undergraduate Student
Facultad de Ingeniería
Universidad Nacional de Asunción
Asunción, Paraguay

Gustavo Martínez, Fausto Alfonso and Orlando Benítez
Faculty Members
Facultad de ingeniería
Universidad Nacional de Asunción
Asunción, Paraguay

ID 420  Design of Ventilation and Separation System for Wood Dust Sawdust in an Industry Using Computational Fluid Dynamics

Eduvigis Oporto
Undergraduate Student
Facultad de Ingeniería
Universidad Nacional de Asunción
Asunción, Paraguay

Gustavo Martínez
Director of the Department of Mechanical and Electromechanical Engineering
Facultad de Ingeniería
Universidad Nacional de Asunción
Asunción, Paraguay

Jorge Kurita
Research Professor
Facultad de Ingeniería
Universidad Nacional de Asunción
Asunción, Paraguay

2:00 – 3:45 pm, MONDAY  OM  Room 5
Session Chair: Joe Wu, Universidad de Lima, Peru

ID 393  Proposal of a Coverage Model to Support the Surveillance and Security Management in the Asunción Botanical Garden and Zoo

Fabrizio N. Recalde-Rivas, Jorge L. Recalde-Ramírez and María M. López
Grupo de Investigación de Operaciones y Logística
Departamento de Ingeniería Industrial
Facultad de Ingeniería
Universidad Nacional de Asunción
San Lorenzo, Paraguay

ID 415  Third-Party COVID-19 Vaccine Distribution Management

María Pilar Heuduck, Universidad Nacional de Asunción, Paraguay

ID 437  Evaluation of the Implementation of an Integrated Warehouse Management System for Products in Continuous Flow in a Distribution Center of a Retail Chain.

Marcelo Emilio Ayala Person, Lucas Guillermo Godoy Cabrera, María M. López and Jorge L. Recalde-Ramírez
Grupo de Investigación de Operaciones y Logística
Departamento de Ingeniería Industrial
Facultad de Ingeniería
Universidad Nacional de Asunción
San Lorenzo, Paraguay

ID 440  Small Radio Telescope for Observing the Neutral Hydrogen Line of the Milky Way

Alejandro Reckziegel
Universidad Nacional de Asunción, Facultad de Ingeniería (FIUNA)
San Lorenzo - Paraguay

Diego Stalder
University Nacional de Asunción, Facultad de Ingeniería (FIUNA)
San Lorenzo - Paraguay

Jorge Molina
University Nacional de Asunción, Facultad de Ingeniería (FIUNA)
San Lorenzo - Paraguay

ID 375 Application of the ABC Methodology to Reduce Breaches of Sales Orders in a Company Warehouse In Barranca City
Joe Wu, Universidad de Lima, Peru

ID 377 Check the Sensitivity of Cost Parameters in Construction Projects Using Deterministic Model
Mustafa Hassan Talib and Sedqi Esmaeel Rezouqi, Civil Engineering Department, University of Baghdad, Baghdad, Iraq

July 19 (TUESDAY)

July 19 (TUESDAY) - Session: 6:00 – 7:45 am

6:00 – 7:45 am, TUESDAY    Design and Analysis  Room 1
Session Chair: Mila Andria Savitri

ID 88 Sustainability of Design Architectural Tourism Area (Case Study Pangandaran Tourist Market)
Ferri Limano
Animation Program, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, 11480, Indonesia

ID 160 Analysis of Surface Roughness by Turning Process Using RSM Methodology on Aluminium 6061
Rahul Ponnaluri
UG student, Department of Mechanical Engineering
Vignan’s Institute of Information Technology, Visakhapatnam, India
Samireddy Ganesh
UG student, Department of Mechanical Engineering
Vignan’s Institute of Information Technology, Visakhapatnam, India
Vanaparthi Shanmukeshwara Rao
UG student, Department of Mechanical Engineering
Vignan’s Institute of Information Technology, Visakhapatnam, India
Gopisetti Sai Naga Mahesh Kumar
UG student, Department of Mechanical Engineering
Vignan’s Institute of Information Technology, Visakhapatnam, India
Mycharla Leela Manohar
UG student, Department of Mechanical Engineering
Vignan's Institute of Information Technology, Visakhapatnam, India
Ch. Siva Ramakrishna
Associate Professor, Department of Mechanical Engineering
Vignan’s Institute of Information Technology, Visakhapatnam, India

ID 162 Analysis of Surface Roughness by Turning Process Using Taguchi Method on Aluminium 6061
Rahul Ponnaluri
UG student, Department of Mechanical Engineering
Vignan’s Institute of Information Technology, Visakhapatnam, India
Samireddy Ganesh
UG student, Department of Mechanical Engineering
Vignan’s Institute of Information Technology, Visakhapatnam, India
Vanaparthi Shanmukeshwara Rao
UG student, Department of Mechanical Engineering
Vignan’s Institute of Information Technology, Visakhapatnam, India
Gopisetti Sai Naga Mahesh Kumar
UG student, Department of Mechanical Engineering
Vignan’s Institute of Information Technology, Visakhapatnam, India
Mycharla Leela Manohar
UG student, Department of Mechanical Engineering
Ch. Siva Ramakrishna  
Vignan's Institute of Information Technology, Visakhapatnam, India

ID 248 Eco-Behavior Methods in Interior Design for Rehabilitation Center for Children's Survivors of Violence  
Ii Ismatillah, Amarena Nediari, and Anak Agung Ayu Wulandari  
Interior Design Department School of Design,  
Bina Nusantara University  
Jakarta, Indonesia, 11480

ID 259 The Effect of Thermal and Natural Lighting on The Working Environment in Heritage Building Case Study: The Batik Artisans in The Canting Workstation of Go Tik Swan  
Rachmi Kumala Widyasari  
Interior Design Study Program, School of Design  
Bina Nusantara University  
Bandung, West Java, Indonesia  
Agus Sachari and Andar Bagus Sriwono  
Product Design Study Program, Faculty of Art, and Design  
Bandung Institute of Technology  
Bandung, West Java, Indonesia  
Gregorius Prasetyo Adhitama  
Interior Design Study Program, Faculty of Art, and Design  
Bandung Institute of Technology  
Bandung, West Java, Indonesia

ID 262 Circular Design Approach as Strategy for Sustainable Architecture in Cultural Heritage Building in Lasem  
Mila Andria Savitri  
Head of Department, Department of Interior Design  
Bina Nusantara University  
Bandung, Indonesia  
Rachmi Kumala Widyasari  
Subject Content Coordinator, Department of Interior Design  
Bina Nusantara University  
Bandung, Indonesia

ID 294 Waterfall Model for Design and Development Coffee Shop Website at Malang  
Andreas Yan Ardhiansyah, Dion Lamilga Sudiono Putra, Jsven Septian Kristianto, Nadya Permata Budhianto, Fairuz Iqbal Maulana  
Computer Science Department, School of Computer Science,  
Bina Nusantara University  
Jakarta 11480, Indonesia

6:00 – 7:45 am, TUESDAY  
Construction Management  
Room 2  
Session Chair: Irpan Hidayat

ID 7 Optimal Truck Dispatch Scheduling of Ready Mixed Concrete: A Case Study from Bolivia  
Boris Christian Herbas-Torrico  
Jorge Andres Enriquez-Reyes  
Exact Sciences and Engineering Research Center (CICEI)  
Bolivian Catholic University  
Cochabamba, Bolivia

ID 150 Construction Management of Civil Engineering, Industrial Engineering, and Business Engineering through Lens of Industry 4.0 within Scientometric and Bibliometric  
Meilani  
Civil Engineering Department, Faculty of Engineering  
Bina Nusantara University  
Jakarta, 11480, Indonesia  
Khristian Edi Nugroho Soebandrija  
Industrial Engineering Department, Faculty of Engineering  
Bina Nusantara University  
Jakarta, 11480, Indonesia

ID 152 Construction Management of Electronic Toll Gate Perspectives of Civil Engineering, Industrial Engineering and Business Engineering on Sustainable Development Goals  
Meilani  
Civil Engineering Department, Faculty of Engineering  
Bina Nusantara University  
Jakarta, 11480, Indonesia
Hwi Chie Ho and Khristian Edi Nugroho Soebandrija
Industrial Engineering Department, Faculty of Engineering
Bina Nusantara University
Jakarta, 11480, Indonesia

ID 178 Cost Overrun Factors During the Lifecycle Phases of Buildings Construction Projects in the United Arab Emirates
Omar Afana
PhD Candidate
University of Sharjah
Sharjah, UAE
Radhi Alzubaidi
Professor of Civil Engineering
University of Sharjah
Sharjah, UAE
Doraid Dalalah
Associate Professor
Department of Industrial Engineering and Engineering Management
University of Sharjah
Sharjah, UAE

ID 181 The Preservation Policy of City Landscape in Japan’s Kyoto for Sustainable Tourism Development
Sri Dewi Adriani
Lecturer of Department of Japanese Literature, Faculty of Humanities
Binus University, Jakarta, Indonesia

ID 182 The Productivity of Heavy Equipment in Embankment Work Method on Toll Road Development Project
M F Dewanto, A B Putra*, and A.J. Pierre
Civil Engineering Department, Faculty of Engineering, Bina Nusantara University
Jakarta, Indonesia 11480

ID 250 Effect of Sample Rate on Frequency Values in Sinusoidal Signals
Irpan Hidayat
Civil Engineering Department, Faculty of Engineering
Bina Nusantara University
Jakarta, Indonesia
Roesdiman Soegiarso
Civil Engineering Department, Faculty of Engineering
Tarumanagara University
Jakarta, Indonesia
Made Suangga, Riza Suwondo
Civil Engineering Department, Faculty of Engineering
Bina Nusantara University
Jakarta, Indonesia

ID 314 A Literature Review on Digital Transformation in the Construction Industry
Johan Arifin, Mohammad Hamsal, Asnan Furinto, Rano Kartono
Student of Doctor Research in Management, BINUS Business School,
Bina Nusantara University, Jakarta, Indonesia, 11530

6:00 – 7:45 am, TUESDAY  e-Business/e-Service/e-Commerce  Room 3
Session Chair: Fairuz Iqbal Maulana

ID 163 How Does Customer Satisfaction Matter in Telecommunication Industry?
Anisa Larasati, Leo Andri Yulius Caesar, Anis Fawjiyyah Anwar, and Arien Junian Anggara
Business Management, BINUS Business School,
BINUS University, Indonesia

ID 203 Influence of Instagram Content on Purchase Decisions With Brand Image as Variable Intervening
Muhammad Faiz, Telkom University, Indonesia

ID 252 ERP System Integration Design Based on E-Supplier Self Service 4.0 for A Sustainable Service and Logistic System
Fauzi Khair, Hubertus Davy Yulianto
Industrial Engineering Department, BINUS Online Learning
Bina Nusantara University
Jakarta, Indonesia

ID 278 The Effect of Technology Acceptance Model, Manager Competence, and Enterprise Risk Management on Competitive Advantage: Mediating Role by E-Commerce Adoption and Moderating Role by Financial Literacy
Siu Min1, Mohammad Hamsal2, Asnan Furinto3, Rano Kartono4
Doctor of Research in Management
BINUS Business School
Bina Nusantara University
DKI Jakarta, Indonesia,

ID 293  Mapping Research Trend Of Gamification From 2016-2021
Yongkie Angkawijaya, Asri Radhitanti, Wahyu Kurnia Dewi, Donna Carolina
Visual Communication Design Department, School of Design,
Bina Nusantara University,
Jakarta, Indonesia 11480

Fairuz Iqbal Maulana
Computer Science Department, School of Computer Science,
Bina Nusantara University,
Jakarta, Indonesia 11480

ID 312  Digital Transformation Research Trends: An Overview Research from 2017 - 2021
Fairuz Iqbal Maulana, Gusti Pangestu
Computer Science Department, School of Computer Science,
Bina Nusantara University
Jakarta 11480, Indonesia

Donna Carolina
Visual Communication Design Department, School of Design
Bina Nusantara University
Jakarta 11480, Indonesia

Febby Chandra Pratama
Entrepreneurship Department, BINUS Business School Undergraduate Program
Bina Nusantara University
Jakarta 11480, Indonesia

Andi Pramono
Interior Design Department, School of Design,
Bina Nusantara University
Jakarta, Indonesia 11480

ID 313  Bibliometric Analysis on E-business Research in Indonesia Over the Last Ten Years
Fairuz Iqbal Maulana
Computer Science Department, School of Computer Science,
Bina Nusantara University
Jakarta 11480, Indonesia

Raden Aditya Kristamtiomo Putra, and Riefky Prabowo
Entrepreneurship Department, BINUS Business School Undergraduate Program
Bina Nusantara University
Jakarta 11480, Indonesia

Donna Carolina
Visual Communication Design Department, School of Design
Bina Nusantara University
Jakarta 11480, Indonesia

Andi Pramono
Interior Design Department, School of Design,
Bina Nusantara University
Jakarta, Indonesia 11480

6:00 – 7:45 am, TUESDAY    Entrepreneurship and Innovation    Room 4
Session Chair: Etsa Astridya Setyati

ID 188  Entrepreneurship Education at University: Business as a Coursework or Continued after Graduation
Puji Prabowo1, Santika Syaravina2
1,2Entrepreneurship Department, BINUS Business School Undergraduate Program
Bina Nusantara University, Jakarta, Indonesia 11480

ID 189  Entrepreneurship Education Needs of Agricultural Students
Puji Prabowo
Entrepreneurship Department, BINUS Business School Undergraduate Program
Bina Nusantara University, Jakarta, Indonesia 11480

Farida Iriani
Agrotechnology Department, Faculty of Agriculture
Universitas Insan Cendekia Mandiri, Banten Street No.11, Bandung, Indonesia
ID 190  Self-Coaching: Evaluation of Public Speaking Ability  
Puji Prabowo  
Entrepreneurship Department, BINUS Business School Undergraduate Program  
Bina Nusantara University, Jakarta, Indonesia 11480

ID 191  Student Motivation in Business Incubator Doing Business  
Puji Prabowo, Santika Syaravina  
Entrepreneurship Department, BINUS Business School Undergraduate Program  
Bina Nusantara University, Jakarta, Indonesia 11480

ID 192  The Type of Collaboration that Business Students Want in a Business Incubator Program  
Puji Prabowo  
Entrepreneurship Department, BINUS Business School Undergraduate Program  
Bina Nusantara University, Jakarta, Indonesia 11480

ID 210  Identifying brand awareness categories in Peruvian independent fashion workshops  
Joséph Hernández López  
Business Department, Management and Marketing Undergraduate Program  
Universidad Privada del Norte  
Trujillo, Perú  
Alexa Gamarra Olórtegui  
Business Department, Management and Marketing Undergraduate Program  
Universidad Privada del Norte  
Trujillo, Perú  
Francisco Jesús Paredes León  
Business Department, Professor and Researcher  
Universidad Privada del Norte  
Trujillo, Perú

ID 218  Brazilian Frugal Ventilators to Tackle COVID-19  
Sergio Shimura  
Federal Institute of Sao Paulo (IFSP) – Sorocaba Campus  
Sorocaba, Sao Paulo, Brazil  
Maria Lima-Toivanen  
Founder Innodeva, Innovation Project Manager Sustainable Innovation Technology Services SITES  
Belo Horizonte, Brazil  
Venkata Gandikota  
Co-founder, InnoFrugal  
Espoo, Finland  
Pedro Figueroa  
DiploCientífica  
Santiago, Chile  
Nii Botchway  
Nelson Mandela University  
Gqeberha, South Africa

ID 266  The Exploration of Co-Existence Between Environmental Sustainability and Business Profitability Amongst Young Restaurant Ecopreneurs  
Etsa Astridya Setiyati  
Entrepreneurship Department, BINUS Business School Undergraduate Program  
Bina Nusantara University  
Malang, Indonesia 65154  
Sunday Noya  
Industrial Engineering Department  
Universitas Ma Chung  
Malang, Indonesia

6:00 – 7:45 am, TUESDAY  
Human Factors and Healthcare  
Room 5  
Session Chair: Midori Lara Arana, Universidad of Lima

ID 298  Effect of E-Service Quality, Customer Perceived Value, and Price on Customer Satisfaction in Healthcare Application  
Agung Sudjiatmoko, Leo Andri Yulius Caesar, Samuel Yohan Gomuljo and Richard Jeremy  
BBS Undergraduate Program  
Binus University  
Jakarta, Indonesia

ID 92  Recommendation of Seating Configuration at Pediatric Clinic in Jakarta During COVID-19 Pandemic  

ID 194  Analysis of Determining Offshore Worker Schedules in PHE ONWJ Work Area During COVID-19 Pandemic
Tegar Jaya Saka Buana1, Adithya Sudiarto2
1 Master's Student of Sekolah Interdisiplin Manajemen Teknologi
2 Lecturer of Sepuluh Nopember Institute of Technology

Surabaya, Indonesia

ID 265  Digital Placemaking Approach Through Hybrid Space Towards Sustainable Architecture and Urban Design in Public and Heritage Environment
Mila Andria Savitri
Head of Department, Department of Interior Design
Bina Nusantara University
Bandung, Indonesia

ID 225  Role Of Government Internet Financial Reporting
Heni Agustina
Faculty of Business Economics and Digital Technology
Universitas Nahdlatul Ulama Surabaya
Surabaya, Indonesia

Rizki Amalia Elfita
Faculty of Business Economics and Digital Technology
Universitas Nahdlatul Ulama Surabaya
Surabaya, Indonesia

Ninnasi Muttaqin
Faculty of Business Economics and Digital Technology
Universitas Nahdlatul Ulama Surabaya
Surabaya, Indonesia

Rizqi Putri Nourma Budiarti
Faculty of Business Economics and Digital Technology
Universitas Nahdlatul Ulama Surabaya
Surabaya, Indonesia

Donny Arif
Faculty of Economics and Business
Universitas Maarif Hasyim Latif
Sidoarjo, Indonesia

ID 288  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

Andrés Redchuk
Director of Operational Excellence and Process Improvement Institute. School of Engineer.
University of Lomas de Zamora. Argentina.

ID 363  Redesign of a Workstation in The Cutting Area of a Company in The Textile Industry to Increase Productivity
Midori Lara Arana
Universidad de Lima

Allison Vivar Guillen
Universidad de Lima

ID 404  Evaluation of Human Factors in Redesigning Library Bookshelves for The Blind Using The Ergonomic Function Deployment (EFD) Method
Elsa Safira
Student at Industrial Engineering
Departement at Sultan Syarif Kasim State Islamic University
Indonesia
### July 19 (TUESDAY) - Session: 8:00 – 9:45 am

#### 8:00 – 9:45 am, TUESDAY

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<td><strong>Session Chair:</strong> Prof. Anicia Peters</td>
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<tr>
<td>8:00 – 8:30 am (Tuesday, July 19)</td>
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<tr>
<td>Prof. Anicia Peters</td>
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<tr>
<td>Chairperson: Namibia 4IR Presidential Task Force</td>
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<td>Pro-VC: Research, Innovation &amp; Development</td>
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<tr>
<td>University of Namibia</td>
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<td>Windhoek, Khomas, Namibia</td>
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<tr>
<td>8:30 – 9:00 am (Tuesday, July 19)</td>
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<tr>
<td>Dr. Boris Herbas-Torrico</td>
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<tr>
<td>Full Time Professor</td>
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<tr>
<td>Universidad Catolica Boliviana San Pablo Regional Cochabamba</td>
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<tr>
<td>Cercado, Cochabamba, Bolivia</td>
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<tr>
<td>9:00 – 9:30 am (Tuesday, July 19)</td>
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<tr>
<td>Joseph Akyeampong, PhD</td>
</tr>
<tr>
<td>Human Factors Engineering Consultant</td>
</tr>
<tr>
<td>Amgen</td>
</tr>
<tr>
<td>Fort Lauderdale, Florida, United States</td>
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#### 8:00 – 9:45 am, TUESDAY

<table>
<thead>
<tr>
<th>Room 2</th>
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<tbody>
<tr>
<td><strong>Global Engineering Education I</strong></td>
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<tr>
<td><strong>Session Chair:</strong> Prof. Vitor Mendes Caldana</td>
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<tr>
<td>2:00 – 3:30 pm (Tuesday, July 19)</td>
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<tr>
<td>Prof. Vitor Mendes Caldana</td>
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<td>Federal Institute of Sao Paulo (IFSP) – Sorocaba Campus</td>
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<td>Sorocaba, Sao Paulo, Brazil</td>
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<tr>
<td>2:30 – 3:00 pm (Tuesday, July 19)</td>
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<tr>
<td>Junior A. Bennett and Arlene McKenzie-Cawley</td>
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<tr>
<td>School of Engineering</td>
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<td>University of Technology</td>
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<tr>
<td>Jamaica</td>
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<tr>
<td>3:00 am – 3:30 pm (Tuesday, July 19)</td>
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<tr>
<td>Dr. Esther Matemba</td>
</tr>
<tr>
<td>Engineering Education Advisor- Lassonde Educational Innovation Studio (LEIS)</td>
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<tr>
<td>Lassonde School of Engineering, York University, Canada</td>
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<tr>
<td>Governing Board Member for Research in Engineering Education Network (REEN) – Africa representative</td>
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<tr>
<td>Sessional Academic, Curtin University, Western Australia</td>
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#### 8:00 – 9:45 am, TUESDAY

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<td><strong>Data Analytics</strong></td>
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<td><strong>Session Chair:</strong> Ismu Kusumanto</td>
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<td>ID 90</td>
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<tr>
<td>Upstream Oil and Gas Projects Sustainability Framework Through the Lenses of Big Data Analytics, and Project Management</td>
</tr>
<tr>
<td>Wihaga Satya Khresna1, Harjanto Prabowo2, Mohammad Hamza3, Boto Simatupang4</td>
</tr>
<tr>
<td>Management Department, BINUS Business School Doctor of Research in Management, Bina Nusantara University, Jakarta, Indonesia 11480</td>
</tr>
<tr>
<td>ID 114</td>
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<tr>
<td>Market Basket Analysis in Polymers Industry: Power BI Case</td>
</tr>
<tr>
<td>Ammar Y. ALQAHTANI</td>
</tr>
<tr>
<td>King Abdulaziz University, Department of Industrial Engineering, Faculty of Engineering, P.O. Box 80204, Jeddah, 21589 SAUDI ARABIA</td>
</tr>
</tbody>
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**ID 271**  
**Prediction of Dengue cases in Five Municipalities of Santander, Colombia using machine learning models**  
Ruth Aralí Martínez Vega  
PhD in Public Health Sciences with area concentration in Infectious Diseases  
Professor School of Medicine University of Santander UDES  
Henry Lamos Diaz  
PhD Physics – Mathematics  
Professor of Industrial Engineering. Industrial University of Santander UIS  
Sonia Isabel Polo Triana  
Master's Student in Industrial Engineering UIS

**ID 291**  
**Cinemagraph Research Trends From 2011-2021**  
Hindam Basith Rafiqi, Lutfi Tri Atmaji, Victor Adiluhung Abednego, Donna Carolina  
Visual Communication Design Department, School of Design,  
Bina Nusantara University,  
Jakarta, Indonesia 11480  
Fairuz Iqbal Maulana  
Computer Science Department, School of Computer Science,  
Bina Nusantara University,  
Jakarta, Indonesia 11480

**ID 295**  
**Mapping Research Trend Interactive Design In Indonesia: An Overview From 2016-2021**  
Uzda Nabila Shabiriani, Gadis Febriani, Cahyaning Umul Chasanah Nursyifani, Safitri Aprillia Putri, Donna Carolina  
Visual Communication Design Department, School of Design,  
Bina Nusantara University,  
Jakarta, Indonesia 11480  
Fairuz Iqbal Maulana  
Computer Science Department, School of Computer Science,  
Bina Nusantara University,  
Jakarta, Indonesia 11480

**ID 297**  
**Bibliometric Analysis of Photography Architecture Research: Ten Years Review**  
Lutfi Tri Atmaji, Hindam Basith Rafiqi, Donna Carolina  
Visual Communication Design Department, School of Design,  
Bina Nusantara University,  
Jakarta, Indonesia 11480  
Fairuz Iqbal Maulana  
Computer Science Department, School of Computer Science,  
Bina Nusantara University,  
Jakarta, Indonesia 11480  
Priska Arindiya Purnama  
Entrepreneurship Department, BINUS Business School Undergraduate Program,  
Bina Nusantara University,  
Jakarta, Indonesia 11480

**ID 345**  
**Application of Data Mining Using the K-Means Clustering Method in Analysis of Consumer Shopping Patterns in Increasing Sales (Case Study: Abie JM Store, Jaya Mukti Morning Market, Dumai City)**  
Afrido  
Student At Industrial Engineering  
Departement At Sultan Syarif Kasim State Islamic University  
Indonesia  
Muhammad Rizki  
Assistant Professor Industrial Engineering  
Departement At Sultan Syarif Kasim State Islamic University  
Indonesia  
Ismu Kusumanto  
Assistant Professor Industrial Engineering  
Departement At Sultan Syarif Kasim State Islamic University  
Indonesia  
Nazaruddin  
Assistant Professor Industrial Engineering  
Departement At Sultan Syarif Kasim State Islamic University  
Indonesia  
Misra Hartati  
Assistant Professor Industrial Engineering  
Departement At Sultan Syarif Kasim State Islamic University  
Indonesia
8:00 – 9:45 am, TUESDAY    Case Studies    Room 4
Session Chair: Dea Christy Andreanie

ID 215 Approaches to algorithmic trading techniques: First sell and moving average crossover

ID 216 Is It Possible To Find A Behavior Pattern For Cryptocurrencies? A First Point Of View
Dr.C. Luis Llerena Ocaña. Docente de la carrera de Software de la Universidad Regional Autónoma de los Andes (UNIANDES)
Mg. Edwin Lozada Torres. Docente de la carrera de Software de la Universidad Regional Autónoma de los Andes (UNIANDES)
Mg. Maria Pico Pico. Docente de la carrera de Software de la Universidad Regional Autónoma de los Andes (UNIANDES)

ID 226 Waste in the Transportation Process Dedicated to the Offshore Chain in an Oil and Gas Company
Joici Mendonça Muniz Gomes
Master’s Student in Logistics
Industrial Engineering Department, Pontifical Catholic University of Rio de Janeiro (PUC-Rio),
Rio de Janeiro, RJ, Brazil

Rodrigo Caiado
Industrial Engineering Department, Pontifical Catholic University of Rio de Janeiro (PUC-Rio),
Rio de Janeiro, RJ, Brazil;

Taciana Mareth
Accounting Sciences,
University of Vale do Rio dos Sinos (UNISINOS),
Porto Alegre, RS, Brazil

ID 232 Analysis of Factors That Influence Buying Interest in Halal Innovative Products: Study of Body Lotion Brand Product
Dea Christy Andreanie
Management Department, BINA Business School Undergraduate Program,
Bina Nusantara University,
Jakarta, Indonesia 11480

Elidjen
Management Department, BINA Business School Undergraduate Program,
Bina Nusantara University,
Jakarta, Indonesia 11480

8:00 – 9:45 am, TUESDAY    Automation and Cyber Security    Room 5
Session Chair: H.P.N. Hettiarachchi

ID 33 The Natural Language Processing (NLP) Algorithm Integrated with FMECA Analysis Applied in the Maintenance Plans Development to Power Generation System Assets
Vinicius M.D. Toni, Luana A.G. da Costa and Matheus E.T. Botelho
Department of Mechanical Engineering, UTFPR – Federal University of Technology of the Paraná, Profa. Laura Pacheco Bastos Avenue.800, 85053-525 Guarapuava, Brazil.

Marjorie Maria Belinelli
Department of Mechanical Engineering and Maintenance Industrial Department, UTFPR – Federal University of Technology of the Paraná, Profa. Laura Pacheco Bastos Avenue.800, 85053-525 Guarapuava, Brazil.

Marcelo Rodrigues and Emerson Rigoni
Department of Electrotechnical Engineering, UTFPR – Federal University of Technology of Paraná, 3165 Sete de Setembro Avenue, 80230-901 Curitiba-PR, Brazil.

ID 34 The Natural Language Processing (NLP) Algorithm Integrated with FMECA Analysis Applied in the Maintenance Plans Development to Power Generation System Assets
Vinicius M.D. Toni, Luana A.G. da Costa and Matheus E.T. Botelho
Department of Mechanical Engineering, UTFPR – Federal University of Technology of the Paraná, Profa. Laura Pacheco Bastos Avenue.800, 85053-525 Guarapuava, Brazil.

Marjorie Maria Belinelli
Department of Mechanical Engineering and Maintenance Industrial Department, UTFPR – Federal University of Technology of the Paraná, Profa. Laura Pacheco Bastos Avenue.800, 85053-525 Guarapuava, Brazil.

Marcelo Rodrigues and Emerson Rigoni
Department of Electrotechnical Engineering, UTFPR – Federal University of Technology of Paraná, 3165 Sete de Setembro Avenue, 80230-901 Curitiba-PR, Brazil.

ID 207 Implementation of Robotic Process Automation: Audit Process, Workflow, and Competencies in Indonesian Banking Firms
Jovan
Accounting Department, School of Accounting
July 19 (TUESDAY) - Session: 10:00 am – 1:00 pm - Room 1

Keynote Speakers

Mr. Sumihiro Takaoka  
President, Sumi S.A. President  
Japan Paraguay Chamber of Commerce

Dr. Heriberto García-Reyes, PhD  
Regional Chairman, Industrial Engineering Department  
Tecnologico de Monterrey, Monterrey, Mexico

Professor Duc Truong Pham  
Chance Professor of Engineering, Director of Research, Department of Mechanical Engineering  
University of Birmingham, Birmingham B15 2TT United Kingdom

Dr. Sérgio Shimura  
Federal Institute of Education, Science and Technology of São Paulo, Brazil

1:00 – 2:00 pm – Lunch Break

July 19 (TUESDAY) - Session: 2:00 – 3:45 pm

Electromobility Panel

Organized by: RELIEVE (Red Latinoamericana de Investigación en Energía y Vehículos) Latinoamerican Research Network in Energy and Vehicles
Moderator

Dr. Nicolas Giraldo-Peralta
Universidad Antonio Nariño
Bogota, Colombia

Panelists

Dr. Daniel Guillermo Cordero Moreno
Research professor
Faculty of Science and Technology
ERGON - Center for Research and Development in Automotive Engineering
University del Azuay
Ecuador

Title: Efficiency tests of electric vehicles in chassis dynamometer

Dr. Nelson Arzola de la Pena
Full Professor
Faculty of Engineering
Universidad Nacional de Colombia
Bogotá Campus

Title: Experiences in the 2nd National Electric Traction Vehicle Competition

Manolín Alcazar, MSc
Ph.D. Candidate
Universidad de Málaga
de Cervantes, 2, 29016 Málaga, Spain

Title: Motostudent Competition: No fear, race your talent

2:00 – 3:45 pm, TUESDAY  
Global Engineering Education II  
Room 2

Session Chair: Prof. Daniel Ohata

4:00 pm - 4:30 pm (Tuesday, July 19)

Dr. Maria Mercedes Larrondo Petrie
Professor of Computer Engineering, Florida Atlantic University, USA and
Executive Director of LACCEI

4:30 pm - 5:00 pm (Tuesday, July 19)

Prof Paulo Roberto Freitas de Carvalho
Former Dean, FACENCS University
IPFacens, a department focused on the integration of companies with Facens.

Talk Title: Integration between companies and universities

5:00 pm - 5:30 pm (Tuesday, July 19)

Prof. Daniel Ohata
Mobile Developer and Game Designer, Ibug Solutions
Part Time Professor, Centro Universitário Facens
Sorocaba, São Paulo, Brazil

Talk Title: Metaverse

2:00 – 3:45 pm, TUESDAY  
Lean Six Sigma  
Room 3

Session Chair: Hassine Mostafa

ID 399  
Aplicación de Lean Manufacturing en los Procesos de Frescos y Congelados de un Centro de Distribución en el Rubro Retail en Paraguay
Dr. Ing. Andrea Insfrán, Orientador, Facultad de Ingeniería. Universidad Nacional de Asunción. San Lorenzo, Paraguay.

ID 392  
Lean Tools and Systems, and their applications in diverse fields- A Review
Neel Thaker
Pandit Deendayal Energy University,
Gandhinagar, Gujarat, INDIA

Yug Sandeepkumar Suthar
ID 423  Natural Light as an Interior Lighting System Through Fiber Optic Transmission in Paraguay

Oscar Diaz
Graduate Student
Universidad Nacional de Itapua
Encarnacion, Paraguay

Ramon Martinez
Universidad Nacional de Itapua
Encarnacion, Paraguay

Jorge Kurita
Professor and Research Director
Universidad Nacional de Asuncion
Asuncion, Paraguay

ID 419  Design and Fabrication of a Large GTEM Cell for Electromagnetic Compatibility Testing

Blas Vega
Research Director
Agencia Espacial del Paraguay
Asunción, Paraguay

Alejandro Reckziegel
Grad Student
San Lorenzo - Paraguay

Manuel Aquino
Laboratory Assistant

Luis Bernal
Researcher

Diego Herbin Stalder
Full Time Researcher

ID 398  Benchmarking Study of Moroccan SMEs Using Lean Management Tools in Order to Ameliorate Their Performance. (Case of SMEs Based on Casablanca)

Nejari 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

2:00 – 3:45 pm, TUESDAY
Room 4

Session Chair:

July 19 (TUESDAY) - Session: 4:00 – 5:45 pm

4:00 – 5:45 pm, TUESDAY  Women in Industry and Academia Panel  Room 1

Panel Chair

Dr. Ximena Córdova Vallejo
Profesora
### Panel Speaker I
Maria Carolina Diaz  
MBB with Spirit Airlines in Miami

### Panel Speaker II
Aracelli Centeno  
Senior Process Architect  
Registro Nacional de Identificación y Estado Civil (RENIEC)  
Peru

### Panel Speaker III
Ph.D (c) Rosa Patricia Larios-Francia  
Docente – Investigador  
Laboratorio Textil y Confecciones  
Carrera de Ingeniería Industrial  
Facultad de Ingeniería y Arquitectura  
Universidad de Lima  
Peru

### 4:00 – 5:45 pm, TUESDAY  
Plenary  
Room 2

**Session Chair:** Dr. Piera Centobelli

4:00 – 4:30 pm (Tuesday, July 19)

Dr. Nubia Velasco  
Associate professor  
Universidad de los Andes  
Bogota, Colombia

4:30 – 5:00 pm (Tuesday, July 19)

Dr. Piera Centobelli  
Professor of Business Economics and Organization  
Università degli Studi di Napoli Federico II  
Naples, Italy

5:00 – 5:30 pm (Tuesday, July 19)

### July 20 (WEDNESDAY)

#### July 20 (WEDNESDAY) - Session: 6:00 – 7:45 am

**6:00 – 7:45 am, WEDNESDAY  
e-Business/e-Service/e-Commerce  
Room 1**

**Session Chair:** Tirta Nugraha Mursitama

**ID 321**  
Proposed Marketing Strategy Design During the Covid-19 Pandemic Using SOAR and AHP Methods  
Harlen Sandila  
Student at Industrial Engineering  
Departemen at Sultan Syarif Kasim State Islamic University  
Indonesia

Muhammad Rizki  
Assistant Professor Industrial Engineering  
Departemen at Sultan Syarif Kasim State Islamic University  
Indonesia

Misra Hartati  
Assistant Professor Industrial Engineering  
Departemen at Sultan Syarif Kasim State Islamic University  
Indonesia

Melfa Yola  
Assistant Professor Industrial Engineering
ID 330  Young Generation’s Perception of Electric Cars Through Youtube Ads  
Chandrasa Soekardi  
Mechanical Engineering Department  
Mercu Buana University, Jakarta, Indonesia 11650  

Puji Prabowo  
Entrepreneurship Department, BINUS Business School Undergraduate Program  
Bina Nusantara University, Jakarta, Indonesia 11480

ID 338  The Development of Fintech in Developed Countries of Asian Region: A Literature Study  
Nicholas Bustoni, Indra, and Noerlina  
Information System Department, School of Information system  
Bina Nusantara University, Jakarta, Indonesia 11480  

Tirta Nugraha Mursitama  
International Relations Department, Faculty of Humanities  
Bina Nusantara University, Jakarta, Indonesia 11480

ID 341  The Effect of Communication, Knowledge, and Capability of Stakeholders on the Success of ERP Implementation in Indonesia  
Kelvin, Evan Christian, and Noerlina  
Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia 11480  

Tirta Nugraha Mursitama  
International Relations Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia 11480

ID 342  ERP Investment Overview in Developed Countries  
Ervan Halim, Jazzhel Afourd, and Noerlina  
Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia 11480  

Tirta Nugraha Mursitama  
International Relations Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia 11480

ID 343  Utilization of Social Media Platform in Promotional Activities by Analyzing User Interest  
Tegar Priyo Wicaksono and Noerlina  
Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia 11480  

Tirta Nugraha Mursitama  
International Relations Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia 11480

ID 460  China Digital Silk Road & The Deployment of 5G Infrastructure in ASEAN
6:00 – 7:45 am, WEDNESDAY  
Decision Sciences  
Room 2

Session Chair: Ryan Alimhamzah

**ID 1**  
**Analysis of scientific initiation in Brazil with emphasis on regional disparities and distribution between public and private institutions**  
Fábio Aquino da Silva1  
Geisa Meirelles Drumond2  
Marcelo Jasmim Meiriño3  
Mirian Picinini Méxas4  
Engineering School  
Fluminense Federal University  
Niterói, RJ, Brazil  
Haydée Maria Correia da Silveira Batista  
Civil Engineering Department  
Federal University of Rio de Janeiro  
Rio de Janeiro, Brazil

**ID 3**  
**Characterization of Tourism Development of the Municipalities of Lejanías, Mesetas and Uribe in the Department of Meta – Colombia**  
Carolina Suárez Roldan  
Professor and Research  
Universidad Cooperativa de Colombia  
William Eduardo Mosquero Laverde  
Professor and Research  
Universidad Cooperativa de Colombia  
Gina Paola Suárez Roldan  
Professor and Research  
Servicio Nacional de Aprendizaje

**ID 229**  
**Determinants of Dividend Policy: A Study of Public Listed Companies in Indonesia**  
Monica Setiawan  
Accounting Department, School of Accounting,  
Bina Nusantara University  
Jakarta, Indonesia 11480  
Dezie Leonarda Warganegara  
Accounting Department, School of Accounting,  
Bina Nusantara University  
Jakarta, Indonesia 11480

**ID 244**  
**INFLUENCE OF WORK DISCIPLINE, MOTIVATION AND ORGANIZATIONAL COMMITMENT TO EMPLOYEE PERFORMANCE**  
Agatha Puji Selvira  
Management Department, BINUS Business School Undergraduate Program,  
Bina Nusantara University,  
Jakarta, Indonesia 11480  
Eldon Reynard Anggara  
Management Department, BINUS Business School Undergraduate Program,  
Bina Nusantara University,  
Jakarta, Indonesia 11480  
Lo Jevany Susanto  
Management Department, BINUS Business School Undergraduate Program,  
Bina Nusantara University,  
Jakarta, Indonesia 11480  
Nugroho Juli Setiadi  
Management Department, BINUS Business School Undergraduate Program,  
Bina Nusantara University,  
Jakarta, Indonesia 11480
ID 8  Analysis of the Determinants of Consumer Credit Default Risk in Bolivian Financial Institutions
Boris Christian Herbas-Torrico and Nataly Alessandra Villarroel-Vargas
Exact Sciences and Engineering Research Center (CICEI)
Bolivian Catholic University
Cochabamba, Bolivia

ID 208  Private Company New Share Acquisition Analysis Using Monte Carlo Simulation: A Case Study
Ryan Alimhamzah
Department of Industrial Engineering
Faculty of Engineering, Universitas Indonesia
Kampus UI, Depok 16424, Indonesia

Arian Dhini
Department of Industrial Engineering
Faculty of Engineering, Universitas Indonesia
Kampus UI, Depok 16424, Indonesia

ID 373  Important Aspects in Product Development of MSMEs’ e-Business
Puji Prabowo
Entrepreneurship Department, BINUS Business School Undergraduate Program
Bina Nusantara University, Jakarta, Indonesia 11480

Mila A. Savitri and Friska Amalia
Interior Design, School of Design
Bina Nusantara University, Jakarta, Indonesia 11480

Yuda S. Sjaerodji
Visual Communication Design, School of Design
Bina Nusantara University, Jakarta, Indonesia

6:00 – 7:45 am, WEDNESDAY   Environmental Engineering and Management   Room 3
Session Chair: M. Dachyar

ID 5  Production of Bio Fertilizer from Blending Coal Fly Ash and Vermicompost
A.E. Bobo, Department of Chemical and Process Systems Engineering, School of Engineering and Technology, Harare Institute of Technology, Zimbabwe
M. M. Manyuchi, Department of Operations and Quality Management, Faculty of Engineering and the Built Environment, University of Johannesburg, South Africa
N. Sukdeo, Department of Operations and Quality Management, Faculty of Engineering and the Built Environment, University of Johannesburg, South Africa

ID 251  Conceptualizing Environmental Corporate Competencies: A Semantic Analysis
Yiselis Rodríguez Vignon, Carlos Alejandro Díaz Schery, Rodrigo Goyannes Gasmão Caiado, Fernando Luiz Cyrino Oliveira and Luis Felipe Scavarda
Industrial Engineering Department – DEI
Pontifical Catholic University of Rio de Janeiro - PUC-Rio, Rio de Janeiro, Brazil

ID 286  Biophilic Research Trends: An Overview Research From 2016-2021
Ida Bagus Ananta Wijaya, Ira Audia Agustina, Baskoro Azis
Interior Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia 11480

Fairuz Iqbal Maulana
Computer Science Department, School of Computer Science, Bina Nusantara University, Jakarta, Indonesia 11480

Donna Carolinia
Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia 11480

ID 317  Environmental knowledge, attitudes and intentions - A bibliometric review
Ingrid Iovana Burgos Espinoza
Department of Electric Engineering and Computer Sciences
Autonomous University of Ciudad Juárez
Ciudad Juarez, Chihuahua, Mexico

Jorge Luis García Alcaraz, Liliana Avelar Sosa, Roberto Aguilar Gómez
Department of Industrial Engineering and Manufacturing

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**IEOM Paraguay Conference**

**PARALLEL SESSIONS**

**July 18-21, 2022**

Autonomous University of Ciudad Juárez
Ciudad Juarez, Chihuahua, Mexico

Alfonso Jesús Gil López
Department of Business and Economics
University of La Rioja
Logroño, La Rioja, Spain

**ID 328** Interaction of State and Non-State Actors in Environmental Governance: the Case of Montara Transboundary Pollution
Moch Faisal Karim
Assistant Professor
Bina Nusantara University
Jakarta, Indonesia

Dwi Beatrice Joy Sinaga
Centre for Business and Diplomatic Studies (CBDS)
Jakarta, Indonesia

**ID 46** Effecto de la implementación de Herramientas Lean y el desempeño operacional en empresas Manufactureras: Una revisión Literaria
Juan Carlos Herrera Vega
Departamento de Ingeniería Industrial
Fundación Universitaria Tecnológico Comfenalco
Cartagena de Indias, Colombia

**ID 36** Project Financing Analysis Using Capital Budgeting and Multi Criteria Decision Making (MCDM) in Geothermal Projects in Indonesia
Yafiazmi Dhaniswara, Farizal and M. Dachyar
Department of Industrial Engineering
Faculty of Engineering
Universitas Indonesia
Jakarta, Indonesia

**ID 417** Post-Disaster Humanitarian Logistics In Natural Disasters: A Systematic Review
Sambudi Hamali, Helen Purnama Hutahaean, Kezia Audrey Widjaja
Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Palmerah, Jakarta 11480, Indonesia

**6:00 – 7:45 am, WEDNESDAY**

**Manufacturing**

Room 4

**Session Chair:** Silvia, Departement at Sultan Syarif Kasim State Islamic University, Indonesia

**ID 149** Continuous Improvement: Critical Factors in Logistics Companies in Indonesia
Darryl and Widiani Utami
Master Program, BINUS Business School
Bina Nusantara University
Jakarta, Indonesia

Dr. Sambudi Hamali, S.T, M.M
Management Department, BINUS Business School Undergraduate Program
Bina Nusantara University
Jakarta, Indonesia

**ID 325** Electro Discharge Machining Process- A Review
Diyanshi Patel, Harshavi Torawala, Himanshi Singh, Kshitij Chitroda, Smit Thakore, M. B. Kiran
Pandit Deendayal Energy University
Gandhinagar, Gujarat, India

**ID 336** Impact of the Application of Lean Manufacturing in Sausage Production Line Equipment in the Food Manufacturing Industry in Metropolitan Lima
Brayan Alexander Quiroz-Melgarejo
Universidad de Lima
Facultad de Ingeniería y Arquitectura
Lima Peru

Juan Carlos Joel Mendoza-Morales
Universidad de Lima
Facultad de Ingeniería y Arquitectura
Lima Peru

Juan Manuel Machuca-De Pina
Lima University
Faculty of Engineering and Architecture, Faculty of Business and Economic Sciences
Lima Peru
ID 369  Production Line Improvement Analysis With Lean Manufacturing Approach To Reduce Waste At CV. TMJ uses Value Stream Mapping (VSM) and Root Cause Analysis (RCA) methods.
Misda Yanti
Student at Industrial Engineering
Universitas Islam Negeri Sultan Syarif Kasim Riau

Fitriani Surayya Lubis
Assistant Professor Industrial Engineering
Universitas Islam Negeri Sultan Syarif Kasim Riau

Muhammad Rizki
Assistant Professor Industrial Engineering
Universitas Islam Negeri Sultan Syarif Kasim Riau

Nazaruddin
Assistant Professor Industrial Engineering
Departement At Sultan Syarif Kasim State Islamic University
Indonesia

Anwardi
Assistant Professor Industrial Engineering
Universitas Islam Negeri Sultan Syarif Kasim Riau

ID 258  Integrated Service Providers or SME: Business Consultation, Business Education and Business Promotion with Implementation of Quality Function Development
Fransisca Dini Ariyanti, M Fernando, and R Khosesa
Industrial Engineering Department, Faculty of Engineering, Bina Nusantara University, Jakarta, Indonesia 11480

ID 396  The Effect of ESG Reporting to Performance of Company Moderated by Board Gender Diversity in Publicly Listed Companies under Indonesia Stock Exchange ESG Leader Index
Tjatur Widyantoro
Binus Business School Doctor of Research in Management
Bina Nusantara University
Jakarta Selatan, DKI Jakarta, Indonesia

Mohammad Hamsal
Binus Business School Doctor of Research in Management
Bina Nusantara University
Jakarta Selatan, DKI Jakarta, Indonesia

Boto Simatupang
Binus Business School Doctor of Research in Management
Bina Nusantara University
Jakarta Selatan, DKI Jakarta, Indonesia

Asnan Furinto
Binus Business School Doctor of Research in Management
Bina Nusantara University
Jakarta Selatan, DKI Jakarta, Indonesia

Rano Kartono
Binus Business School Doctor of Research in Management
Bina Nusantara University
Jakarta Selatan, DKI Jakarta, Indonesia

ID 394  Production Line Improvement Analysis With Lean Manufacturing Approach To Reduce Waste At CV. T.M.J. uses Value Stream Mapping (V.S.M.) and Root Cause Analysis (R.C.A.) methods.
Misda Yanti
Student at Industrial Engineering
Universitas Islam Negeri Sultan Syarif Kasim Riau

Fitriani Surayya Lubis
Assistant Professor Industrial Engineering
Universitas Islam Negeri Sultan Syarif Kasim Riau

Nazaruddin
Assistant Professor Industrial Engineering
Departement At Sultan Syarif Kasim State Islamic University
Indonesia
Muhammad Rizki  
Assistant Professor Industrial Engineering  
Universitas Islam Negeri Sultan Syarif Kasim Riau

Silvia  
Assistant Professor Industrial Engineering  
Department at Sultan Syarif Kasim State Islamic University  
Indonesia

6:00 – 7:45 am, WEDNESDAY  
Operations Management  
Room 5

Session Chair: Fitri Surraya

ID 37  
Optimization of Assembly Process in the Production Line to Increase Productivity with the Line Balancing Method in Indonesian Automotive sector  
Andy Kresna, Farizal and M. Dachyar  
Department of Industrial Engineering  
Faculty of Engineering  
Universitas Indonesia  
Jakarta, Indonesia

ID 284  
Knowledge-Processing Capabilities On Innovative Work Behavior: The Role Mediating Of Employee Creativity  
Yanto Tjoa1, Mohammad Hamsai2, Asnan Furinto3, Rano Kartono4  
Doctor of Research in Management  
BINUS Business School  
Bina Nusantara University  
Jakarta Selatan, DKI Jakarta, Indonesia

ID 40  
Specialized Valid Inequalities for the Driver Scheduling Problem for Mass Transit Systems  
Laura M Escobar a, Rubén I. Bolaños b, Luis M. Escobar c, Kenny P. Cardenas a, César A. Marin b  
aUniversidad Tecnológica de Pereira, Carrera 27 #10-02, Barrio Alamos, Pereira, 660003, Colombia  
bEdificio Integra, Calle 13 No. 15-53 Piso, Los Alpes, Pereira, 660003, Colombia  
cUniversidad Libre Seccional Pereira, Avenida Las Américas, Carrera 28 #96-102, Barrio Belmonte, Pereira, 660001, Colombia

ID 73  
Stochastic Dynamic Optimization for Dynamic Scheduling  
Yasin Göçgün  
Associate Professor of Industrial Engineering  
Faculty of Engineering and Natural Sciences  
İstinye University  
İstanbul, Turkey

ID 371  
Proposed Improvements to The Chip Raw Material Control System Using the Continuous Review System and Periodic Review System Methods  
Mutia Anggaraini  
Student  
Universitas Islam Negeri Sultan Syarif Kasim Riau  
Pekanbaru, Indonesia

Nazaruddin  
Asistant Professor  
Universitas Islam Negeri Sultan Syarif Kasim Riau  
Pekanbaru, Indonesia

Muhammad Rizky  
Asistant Professor  
Universitas Islam Negeri Sultan Syarif Kasim Riau  
Pekanbaru, Indonesia

Fitri Surraya  
Asistant Professor  
Universitas Islam Negeri Sultan Syarif Kasim Riau  
Pekanbaru, Indonesia

ID 168  
Development of a Web-Based Scoring Model Application to Enhance Project Portfolio Selection  
Muhammad Aziz Wibisono  
Information Systems Department, School of Information Systems,  
Bina Nusantara University,  
Jakarta, Indonesia 11480

Hedianto Samiaji Rachmadi  
Management Program, Binas Business School Undergraduate Program,  
Bina Nusantara University,  
Jakarta, Indonesia 11480
Mohammad Ichsan  
Management Program, Binus Business School Undergraduate Program,  
Bina Nusantara University,  
Jakarta, Indonesia 11480

Ali Gunawan  
Information Systems Department, School of Information Systems,  
Bina Nusantara University,  
Jakarta, Indonesia 11480

**ID 282 Determinant Factors for Innovation Project Management on Project Performance**  
Rini Inthalasari1, Muhtosim Arief2  
Doctor of Research in Management   
BINUS Business School  
Bina Nusantara University  
Jakarta Selatan, DKI Jakarta, Indonesia.

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### July 20 (WEDNESDAY) - Session: 8:00 – 9:45 am

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Chair</th>
<th>Topic/Details</th>
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<td>8:00 – 9:45 am, WEDNESDAY</td>
<td>Victoria Canela</td>
<td>Plenary III</td>
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<tr>
<td>8:00 am – 8:30 am (Wednesday, July 20)</td>
<td>Rodolfo Sabonge</td>
<td>Secretary General Asociación de Estados del Caribe Trinidad and Tobago</td>
</tr>
<tr>
<td>8:30 am – 9:00 am (Wednesday, July 20)</td>
<td>Victoria Canela</td>
<td>Workcell Manager Jabil Healthcare Santo Domingo, Distrito Nacional Dominican Republic</td>
</tr>
<tr>
<td>9:00 am – 9:30 am (Wednesday, July 20)</td>
<td>Dave Harry</td>
<td>Black Belt Trainer / Kata Coach President &amp; CEO Process Whisperer® Consultants LLC Greeneville, TN, USA</td>
</tr>
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</table>

### 8:00 – 9:45 am, WEDNESDAY Industry Solutions I

<table>
<thead>
<tr>
<th>Time</th>
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<th>Topic/Details</th>
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<tr>
<td>2:00 – 2:20 pm (Wednesday)</td>
<td>Felix Peña</td>
<td>CEO Coworking Labs EAS Paraguay</td>
</tr>
<tr>
<td>2:20 – 2:40 pm (Wednesday)</td>
<td>Dr. Imran Ahmad Rana</td>
<td>Quality Management &amp; Analytics Head TCL, Lahore Pakistan</td>
</tr>
<tr>
<td>2:40 – 3:00 pm (Wednesday)</td>
<td>Aldo Marcos Moscarda</td>
<td>Director MARCOS Ingenieros constructores. (Antes Hidroviial Consultores) Paraguay</td>
</tr>
<tr>
<td>3:00 – 3:20 pm (Wednesday)</td>
<td>Gabriel Gonzalez Morra</td>
<td></td>
</tr>
</tbody>
</table>
8:00 – 9:45 am, WEDNESDAY  
Case Studies  
Room 3

### Session Chair:

**ID 50**  
The Creative Economy Research Trend in Indonesian

Audio Valentino  
Entrepreneurship Department,  
BINUS Business School Undergraduate Program  
Bina Nusantara University  
Jakarta, Indonesia, 11480

Riefky Prabowo  
Entrepreneurship Department,  
BINUS Business School Undergraduate Program  
Bina Nusantara University  
Jakarta, Indonesia, 11480

Bigraf Triangga  
Entrepreneurship Department,  
BINUS Business School Undergraduate Program  
Bina Nusantara University  
Jakarta, Indonesia, 11480

**ID 153**  
Winning Consumers with Brand Experience: The Effect of Consumer’s Brand Experience Towards Consumer-Brand Relationship

Mohamad Rijal Iskandar Zhulqurnain, Heni Agustina, Rizki Amalia Elfita, Riansi Siswason Putra, and Hidayatul Khusnah.  
Universitas Nahdlatul Ulama Surabaya, Surabaya, Indonesia

**ID 205**  
Increasing Market Strategy: Maintaining Purchase Intention on Multinational Company in Indonesia

Sidik Budiono  
Department of Management Faculty of Economics and Business  
Universitas Pelita Harapan, Tangerang 15811, Indonesia

John Tampil Purba  
Department of Management Faculty of Economics and Business  
Universitas Pelita Harapan, Tangerang 15811, Indonesia

Henry Wijaya Budiono  
Department of Economics Faculty of Economics and Business  
Universitas Kristen Satya Wacana, Salatiga 50711, Indonesia

**ID 206**  
Effect of Perceived Brand Matter and Consumer Engagement moderated By Perceived Popularity and Perceived Likelihood on Adding Value of Adidas Brand Co-Promotion on Instagram Users

Stefanus R. Raynaldo and John Tampil Purba  
Department of Management Faculty of Economics and Business  
Universitas Pelita Harapan, Tangerang 15811, Indonesia

Sidik Budiono  
Department of Management Faculty of Economics and Business  
Universitas Pelita Harapan, Tangerang 15811, Indonesia

Henry Wijaya Budiono  
Department of Economics Faculty of Economics and Business  
Universitas Kristen Satya Wacana, Salatiga 50711, Indonesia

**ID 27**  
Business Growth in Relation to Utilising Word of Mouth as a Primary Marketing Tool – a Case Study on Ponipake

Hanson Mulia  
Entrepreneurship Department, BINUS Business School Undergraduate Program,  
Bina Nusantara University, Jakarta, Indonesia

Rudy Aryanto
Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

Syafiera Rahmania Muhamad
Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

Rudy Aryanto
Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 68 Indonesia Bibliometric-Based Research in 2021: A Systematic Review
Kiki Nugraha
Department of Library Science
Universitas Indonesia
Depok 16424, Indonesia

ID 410 The Effect Of E-Service Quality On E-Customer Loyalty Through E-Customer Satisfaction As An Intervening Variable (Case Study On Sociolla Application)
Vidya Natasha Sri Dewi, Farah Oktafani, Mahendra Fakhri
School of Communication and Business Telkom University Indonesia

8:00 – 9:45 am, WEDNESDAY Business Management Room 4
Session Chair: Franklin Cordova-Buiza, Universidad Privada del Norte, Lima, Peru

ID 276 Machine Learning and Human Resources Management in the private sector: A bibliometric mapping perspective
Mario Cueva-Mayo, Kamila Chiroque-Valencia, Martin Collao-Díaz, Juan Carlos Quiroz-Flores and Alberto Flores-Perez
Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima, Peru

ID 348 Understanding Game Industry: How to Maintain Creative Performance?
Okta Prihatma Bayu Putra
Management Department, BINUS Business School Doctor of Research in Management, Bina Nusantara University

Agustinus Bandur
Management Department, BINUS Business School Doctor of Research in Management, Bina Nusantara University

Engkos Achmad Kuncoro
Management Department, BINUS Business School Doctor of Research in Management, Bina Nusantara University

Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University

Sasmoko
Management Department, BINUS Business School Doctor of Research in Management, Bina Nusantara University
Primary Teacher Education Department, Faculty of Humanities, Bina Nusantara University

ID 361 E-Service Quality In Digital Health Applications
Asnan Furinto
Doctoral Research Management
Bina Nusantara University
Jakarta, Indonesia.

Dewi Tamara
Executive Strategic in Management
Bina Nusantara University
Jakarta, Indonesia

Adhietya Saputra
Executive Strategic in Management
Bina Nusantara University
Jakarta, Indonesia

Tri Febrianoto Saputra
Executive Strategic in Management
Bina Nusantara University
Jakarta, Indonesia

ID 362 Consumer Usage Intention On Digital Health Application Using Extended TAM
Dewi Tamara  
Executive Program  
Bina Nusantara University  
Jakarta, Indonesia  

Aldy Rienaldy  
Blended Learning Program  
Bina Nusantara University  
Jakarta, Indonesia  

Anugerah Fuad Ramadhan  
Blended Learning Program  
Bina Nusantara University  
Jakarta, Indonesia  

Dandy Rizky Widyawan  
Blended Learning Program  
Bina Nusantara University  
Jakarta, Indonesia  

**ID 365**  
**Digital Investment Innovation: Conceptual framework to explore Robo Advisor in Indonesia**  
Arief Fahruri  
Doctoral Research in Management  
Universitas Bina Nusantara, Indonesia  

**ID 367**  
**Sports Marketing in Peru’s most important soccer clubs during the Covid pandemic-19**  
Franklin Cordova-Buiza  
Research, Innovation and Social Responsibility Department  
Universidad Privada del Norte  
Lima, Peru  

Alejandra Gabriela Salazar-Bermabe  
Business Faculty, Administration and Marketing  
Universidad Privada del Norte  
Lima, Peru  

Luis Angel Castillo-Yong  
Business Faculty, Administration and Tourism Services  
Universidad Privada del Norte  
Lima, Peru  

**ID 370**  
**Systematic Literature Review: Product Quality Control in The Manufacturing Industry with Seven Tools Method Approach**  
Haryadi Sarjono;  
BINUS Business School Undergraduate, Bina Nusantara University,  
Jl. K.H. Syahdan No.9, Palmerah, Jakarta Barat, Indonesian 11480.  

Mia Ginajar Saputri;  
Sekolah Tinggi Ilmu Ekonomi, Bisnis Indonesia, Management  
Jl. Kebayoran Lama No. 46, South Sukabumi, West Jakarta, Indonesia  

**ID 439**  
**The Effect of Discounts, Vouchers, and Cashbacks on Customer Interest Using Digital Payments (Case Study on ShopeePay Generation Z Users in Bandung City)**  
Alyda Intan Pramesli  
Faculty of Communication and Business Telkom University  
Bandung, Indonesia  

Budi Rustandi Kartawinata  
Faculty of Communication and Business Telkom University  
Bandung, Indonesia  

**8:00 – 9:45 am, WEDNESDAY**  
**Applied Statistics**  
Session Chair: Romat Saragih, School of Communication and Business Telkom University  

**ID 23**  
**Biased logistic models applied to cervical cancer risk**  
José Antonio Cárdenas Garro  
Universidad de Lima  
Lima, Perú  

José Antonio Taquía Gutiérrez  
Universidad de Lima  
Instituto de Investigación Científica  
Lima, Perú
ID 83  Stochastic Dynamic Optimization for Dynamic Scheduling
Yasin Göçgün
Associate Professor of Industrial Engineering
Faculty of Engineering and Natural Sciences
İstinye University
İstanbul, Turkey

ID 111  Comparing the Kronecker Models with Other Alternatives
Javier Cruz Salgado
Professor and Research
Universidad de las Américas Puebla
Puebla, México

Roxana Zaricell Bautista López
Universidad Politécnica del Bicentenario
PICIT, CIATEC
Silao, Guanajuato, México

Enisa Priliani Alamisyah
Accounting Department, School of Accounting,
Bina Nusantara University
Jakarta, Indonesia 11480

Titik Indrawati
Accounting Department, School of Accounting,
Bina Nusantara University
Jakarta, Indonesia 11480

ID 228  The Effect of Corporate Ownership Structure and Board Size on Earnings Management of Non-Financial Companies Listed on Indonesia Stock Exchange in 2013-2016
Gifta Gelyana
Accounting Department, School of Accounting,
Bina Nusantara University
Jakarta, Indonesia 11480

Yen Sun
Accounting Department, School of Accounting,
Bina Nusantara University
Jakarta, Indonesia 11480

ID 230  Factors That Influence Voluntary Switching Auditors in Manufacturing Companies Listed in Indonesia Stock Exchange
Ricardo Tulus Panjaitan
Accounting Department, School of Accounting,
Bina Nusantara University
Jakarta, Indonesia 11480

Bambang Leo Handoko
Accounting Department, School of Accounting,
Bina Nusantara University
Jakarta, Indonesia 11480

ID 231  The Effect of Term Debt Short, Investment in Fixed Assets, Board Size, Networking Capital, Leverage, Firm Size and Return on Assets on Cash Holding in Goods Consumer Sector Companies Listed in Indonesia Stock Exchange
Yunivur Sutrin Sudharyanto
Accounting Department, School of Accounting,
Bina Nusantara University
Jakarta, Indonesia 11480

Yen Sun
Accounting Department, School of Accounting,
Bina Nusantara University
Jakarta, Indonesia 11480

ID 245  The Effect of Social Media Marketing and Service Quality on Consumers Purchase Intention in PT. XYZ (Case Study of Pasaraya Grande Branch)
Ewaldo Reyhan Damara
Management Department, BINUS Business School Undergraduate Program,
Bina Nusantara University,
Jakarta, Indonesia 11480

Degaditya Handoko
Management Department, BINUS Business School Undergraduate Program,
Bina Nusantara University,
Jakarta, Indonesia 11480
Muhammad Irfan Habibi  
Management Department, BINUS Business School Undergraduate Program,  
Bina Nusantara University,  
Jakarta, Indonesia 11480

Lasmy  
Management Department, BINUS Business School Undergraduate Program,  
Bina Nusantara University,  
Jakarta, Indonesia 11480

ID 246  Optimization of The Amount of Facial Wash Production in PT. XYZ Using Linear Programming Method  
Dicky Aditya  
Management Department, BINUS Business School Undergraduate Program,  
Bina Nusantara University,  
Jakarta, Indonesia 11480

Inda Anita  
Management Department, BINUS Business School Undergraduate Program,  
Bina Nusantara University,  
Jakarta, Indonesia 11480

Nadya Putri  
Management Department, BINUS Business School Undergraduate Program,  
Bina Nusantara University,  
Jakarta, Indonesia 11480

Bachtiar H. Simamora  
Management Department, BINUS Business School Undergraduate Program,  
Bina Nusantara University,  
Jakarta, Indonesia 11480

ID 456  The Influence of Work Discipline and Motivation on Employee Performance of PT Telekomunikasi Indonesia Riau  
Diyah Fadhilah, Romat Saragih  
School of Communication and Business Telkom University

**July 20 (WEDNESDAY) - Session: 10:00 am – 1:00 pm**

**Keynote Speakers – Room 1**

**Claudio Vierci**  
Director-Presidente  
Vierci Development, Paraguay

**Dr. Clinton AIGBAVBOA**  
Professor, Department of Construction Management and Quantity Surveying  
University of Johannesburg, South Africa

**Jill Hosmer- Jolley PhD, MBA**  
Neurodiversity Accessibility Consultant, MBA Faculty  
California State University, Monterey Bay  
Management coaching. DEI. CSR. HR. OB., Monterey, California, USA

**Alfred Fast**  
CEO, Fecoprod Ltda. and President  
El Instituto de Biotecnologia Agrícola (INBIO), Asuncion Paraguay

1:00 – 2:00 pm – Lunch Break
July 20 (WEDNESDAY) - Session: 2:00 – 3:45 pm

2:00 – 3:45, WEDNESDAY  
Room 1

Panel on Lean Six Sigma

Panel Chair
Dr. Imran Ahmad Rana  
Management and Analytics Professional Trainer, Coach, Consultant and Practitioner  
TCL, Lahore  
Pakistan

Panel Speaker I
Dave Harry  
Black Belt Trainer / Kata Coach  
President & CEO  
Process Whisperer® Consultants LLC  
Greeneville, TN, USA

Panel Speaker II
Javier Enríquez  
PM Consultant  
IT, Mining & Construction  
Lima, Peru

Panel Speaker III

2:00 – 3:45, WEDNESDAY  
Industry Solutions II  
Room 2

Session Chair: Guillermo Parra Romero

4:00 – 4:20 pm (Wednesday)
Mehmet Kursunlu  
Founder, VP & CTO  
MARS LABS  
Istanbul, Turkey

4:20 – 4:40 pm (Wednesday)
Mr. Luis Bramante

4:40 – 5:00 pm (Wednesday)
Guillermo Parra Romero, MSCSE  
Control Systems Engineer  
TEACS – Technology, Engineering and Control Systems  
Paraguay

5:00 – 5:20 pm (Wednesday)
Aly Sodhro, PhD  
Senior Lecturer  
Kristianstad University  
Kristianstad, Skåne County, Sweden

5:20 – 5:40 pm (Wednesday)
Mr. Brian Benigo  
Infinity Safe

Threat Response in Cyber Security

July 20 (WEDNESDAY) - Session: 4:00 – 5:45 pm
Panel on "The Impact of Extra Curriculum Activities in Professional Performance"

Panel Chair
Dr. Fernando Gonzalez Aleu
Associate Professor
Department of Computer Science and Industrial Engineering
Universidad de Monterrey
Monterrey, Nuevo León
Mexico

Panelist 1:
Dr. Jesus Vazquez Hernandez
Professor
School of Engineering and Science
Instituto Tecnologico y de Estudios Superiores de Monterrey
Mexico

Panelist 2:
Ricardo Ramirez Ordaz, DDPP, DDI, DDSOP
Senior Consult
Wasolutions

Panelist 3:
Monica Elizondo, PMP
Graduate Students
ITESM

Global Business Management Education I

Session Chair: Dr. Alireza Shokri

Speaker I – 4:00 – 4:20 pm, Wednesday, July 20
Dr. Nokhaiz Tariq
Chairperson & Assistant Professor
Faculty of Business and Management Sciences
Information Technology University
Lahore, Punjab, Pakistan

Speaker II – 4:20 – 4:40 pm, Wednesday, July 20
Dr. Aftab Alam
Professor of Marketing
Centre of Management Studies
Jamia Millia Islamia
(A Central University, Govt of India)
New Delhi, India

Speaker III – 4:40 – 5:00 pm, Wednesday, July 20
Dr. Soroush Avakh Darestani
Senior Lecturer in Business & Management
London Metropolitan University
London, England, United Kingdom

Speaker IV – 5:00 – 5:20 pm, Wednesday, July 20
Dr. Alireza Shokri
Associate Professor in Operations and Supply Chain Management
Leader for Operations, Supply Chain and Logistics Management Subject Group
Associate Editor of International Journal of Lean Six Sigma
Convener of Global Operations and Supply chain Competitiveness (GLOPSCO) Research Interest Group
Faculty of Business and Law
Northumbria University
Newcastle upon Tyne, United Kingdom

Speaker V – 5:20 – 4:40 pm, Wednesday, July 20
Professor Abdul Talib Bon, Ph.D.
July 21 (THURSDAY)

July 21 (THURSDAY) - Session: 6:00 – 7:45 am

6:00 – 7:45 am, THURSDAY    Artificial Intelligence     Room 1

Session Chair: Andi Pramono

ID 211   Adoption Frameworks for Artificial Intelligence in the Public Sector: A Systematic Review of Literature
Khalid Alshehhi*, Ali Cheaitou, Hamad Rashid
Department of Industrial Engineering and Engineering Management
University of Sharjah
27272 Sharjah, United Arab Emirates

ID 292   Two Decade Research Trend in Artificial Intelligence of Climate Change: A Bibliometric Analysis
Fairuz Iqbal Maulana
Computer Science Department, School of Computer Science,
Bina Nusantara University
Jakarta 11480, Indonesia

Donna Carolina
Visual Communication Design Department, School of Design
Bina Nusantara University
Jakarta 11480, Indonesia

Raden Aditya Kristamonto Putra and Mardhatillah Shanti
Entrepreneurship Department, BINUS Business School Undergraduate Program
Bina Nusantara University
Jakarta 11480, Indonesia

ID 309   A Bibliometric Review of Global Research on Artificial Intelligence in Business and Economics Research In 20 Years
Fairuz Iqbal Maulana
Computer Science Department, School of Computer Science,
Bina Nusantara University
Jakarta 11480, Indonesia

Donna Carolina
Visual Communication Design Department, School of Design
Bina Nusantara University
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Raden Aditya Kristamonto Putra
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Bina Nusantara University
Jakarta 11480, Indonesia

Tiara Ika Widia Primadani
Interior Design Department, School of Design,
Bina Nusantara University
Jakarta, Indonesia 11480

ID 310   A Decade of Artificial Intelligence in E-Commerce Research: A Bibliometric Study
Fairuz Iqbal Maulana
Computer Science Department, School of Computer Science,
Bina Nusantara University
Jakarta 11480, Indonesia

Donna Carolina
Visual Communication Design Department, School of Design
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Andi Pramono
IEOM Paraguay Conference  PARALLEL SESSIONS  July 18-21, 2022

Interior Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia 11480

ID 311  Artificial Intelligence for Digital Business Models: A Scientometric Analysis in the Last Ten Years
Fairuz Iqbal Maulana, Gusti Pangestu
Computer Science Department, School of Computer Science, Bina Nusantara University, Jakarta 11480, Indonesia

Donna Carolina
Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta 11480, Indonesia

Raden Aditya Kristamtomoto Putra
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Gamal Kusuma Zamahsari
Communication Science Department, Faculty of Economics & Communication, Bina Nusantara University, Jakarta, Indonesia 11480

ID 344  Productivity During Pandemic: A Mobile Based Attendance Taking And Task Management Application
Mohamad Alif Ghifari Rachman
Computer Science Department, School of Computer Science, Bina Nusantara University, Jakarta, Indonesia 11480

Achmad Rafli Syafran
Computer Science Department, School of Computer Science, Bina Nusantara University, Jakarta, Indonesia 11480

Wisnu Arisputro Prabowo
Computer Science Department, School of Computer Science, Bina Nusantara University, Jakarta, Indonesia 11480

Brilly Andro Makalew
Mobile Application & Technology Program, Computer Science Department, School of Computer Science, Bina Nusantara University, Jakarta, Indonesia 11480

ID 368  Iraise Satisfaction Analysis Use the End User Computing Satisfaction (EuCs) Methods in Department Of Sains and Teknologi Uin Suska Riau
Novita Saputri
Student at Industrial Engineering, Universitas Islam Negeri Sultan Syarif Kasim Riau

Fitriani Surayya Lubis
Assistant Professor Industrial Engineering, Universitas Islam Negeri Sultan Syarif Kasim Riau

Muhammad Rizki
Assistant Professor Industrial Engineering, Universitas Islam Negeri Sultan Syarif Kasim Riau

ID 374  Payment Gateway Used by MSMEs in Processing Business Transactions
Puji Prabowo and Imanda Dea Sabiella
Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

6:00 – 7:45 am, THURSDAY  SCM and Logistics  Room 2
Session Chair: Dian Gita Utami

ID 85  Reference model for business excellence logistics; application in Latin American countries
Ana Julia Acevedo Urquiaga
Industrial Engineering Program and DlySST Research Group, San Mateo University Foundation

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Rosa Nathaly Lay de León  
Industrial Engineering Program and DiySST Research Group  
San Mateo University Foundation

José Antonio Acevedo Suárez  
Logistics and Production Management Laboratory  
Technological University of Havana “José Antonio Echevarría”  
Calle 144 #11901 e/ Coclovía y Rotonda, Marianao, La Habana, Cuba

Neyfe Sablón Cossío  
Postgraduate Institute and Production and Services Group (ProServ)  
Technical University of Manabí  
Portoviejo, Ecuador

Martha Ines Gómez Acosta  
Logistics and Production Management Laboratory  
Technological University of Havana “José Antonio Echevarría”  
Calle 144 #11901 e/ Coclovía y Rotonda, Marianao, La Habana, Cuba

Feres Sahid  
Fundación Centro de Investigaciones y Asistencia Técnica Internacional John F. Kennedy  
Cl. 125 #No. 19 - 89 Of. 504, Bogotá, Colombia

ID 347  Lean Logistic and Demand Planning Model  
Aliisson Consuelo Lozano Chavez and Jean Mora Cabrera  
Universidad de Lima, Escuela de Ingeniería y Arquitectura, Carrera de Ingeniería Industrial  
Lima, Perú

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

ID 91  An Intelligent Model for Industry's Sustainability Assessment  
Muhammad Asrol, Abdullah Nabil, AAN Perwira Redi  
Industrial Engineering Department, BINUS Graduate Program – Master of Industrial Engineering, Bina Nusantara University, Jakarta, 11480, Indonesia

Yoga T Prasetyo  
School of Industrial Engineering and Engineering Management, Mapua University, Philippines

Parida Jewpanya  
Department Industrial Engineering, Rajamangala University of Technology, Lanna Tak, Thailand

ID 199  Exploring the Causes of the Fluctuative Indonesia's Food Waste Loss in Pandemic Era: Value Belief Norm Theory  
Neisya Aulia  
Undergraduate Student  
Binus University, Jakarta, Indonesia

Galuh Dian Prama Dewi  
Lecturer & Researcher  
Binus University, Jakarta Indonesia

ID 214  Design and Operating Cost Analysis of a Solar Energy Propulsion System for an Electric Passenger Boat for the Paraguay River  
Denis Cuevas, Renato Orué and Jean-Claude Pulfer  
Laboratory of Mechanics and Energy, Faculty of Engineering  
National University of Asuncion  
Campus San Lorenzo, Paraguay

ID 318  Japan-China Rivalry in Jakarta-Bandung High-Speed Railway Infrastructure Project  
Moch Faisal Karim  
Assistant Professor  
Bina Nusantara University  
Jakarta, Indonesia

Anisa Noor Addini  
Centre for Business and Diplomatic Studies (CBDS)  
Jakarta, Indonesia

ID 379  The Effect of Product Reviews and Service Quality on Consumer Purchase Decisions of E-Commerce Tokopedia in Bandung  
Maky Maynaki
ID 372  Factors that Determine the Use of Online Food Delivery
Puji Prabowo and Imanda Dea Sibiella
Entrepreneurship Department, BINUS Business School Undergraduate Program
Bina Nusantara University, Jakarta, Indonesia

6:00 – 7:45 am, THURSDAY  Technology Management  Room 3
Session Chair: Roxana Zaricell Bautista López
ID 198  Corporate Social Responsibility and Eco-Efficiency: Impact on Firm Value in The Indonesian Manufacturing Sector
Anisa Putri Mutiara Sicard, Nadia Talitha Salsabila Tanjung, Holly Deviarti, S.E., M.B.A
Accounting Department, Faculty of Economics and Communication
Bina Nusantara University
Jakarta, Indonesia, INA

ID 201  An Empirical Study of Student Acceptance toward SaaS-Based Academic Information System: an extended UTAUT model
Abd Rahman
Department of Information Systems
Institut Teknologi Sepuluh Nopember
Surabaya, Indonesia

Reny Nadlifatin*
Department of Information Systems
Institut Teknologi Sepuluh Nopember
Surabaya, Indonesia

Satria Fadil Persada
Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 299  UTILIZATION OF VIRTUAL TOURISM TECHNOLOGY AS AN ALTERNATIVE DURING THE COVID-19 PANDEMIC
Nurafni Rubiyanti, Agnes Harnadi, Eko Widodo, Riki Ramadani, Mahir Pradana, Anita Silvianita
Universitas Telkom
Universitas Atma Jaya
London School of Public Relations

ID 329  The role of digital leadership to improve innovation capabilities and TQM of MSMEs in Indonesia
Stefanus Rumangkit
Management Study Program
Bina Nusantara University
Jakarta, Indonesia

Antonius Satria Hadi
Entrepreneurship Study Program
Widyatama University
Yogyakarta, Indonesia

ID 277  ISO 55001 in Brazil: why few companies are practicing the standard?
Ana Carolina Gandini Panegossi
Federal Institute of Sao Paulo (IFSP) – Matoa Campus
Matao, Sao Paulo, Brazil.
Doctoral student in the Regional Development and Environment Program of the University of Araraquara (UNIARA), Araraquara, Sao Paulo, Brazil

Ethel Cristina Chiari da Silva
University of Araraquara (UNIARA)
Araraquara, Sao Paulo, Brazil

José Wagner Braiddotti Junior
Braidotti Engineering and Consulting, Sao Paulo, Brazil

Marcus Cesar Avezum Alves de Castro
Sao Paulo State University (UNESP)
Rio Claro, Sao Paulo, Brazil

ID 279  Measurement of oxygen in an abalone using a non-invasive technique
Roxana Zaricell Bautista López
Universidad Politécnica del Bicentenario
PICYT, CIATEC
Silao, Guanajuato, México

Javier Cruz Salgado
Professor and Research
Universidad de las Américas Puebla
Puebla, México

ID 416  Systematic Literature Review: The Relationship between Lean Six Sigma and Sustainability
Sambudi Hamali, Diza Iwari, Nabilah Anindya Putri, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jl. K.H. Syahdan No. 9, Palmerah, Jakarta 11480, Indonesia

ID 408  The Influence of Social Media Marketing Activities on Brand Awareness, Brand Image and Brand Loyalty in Cititrans Travel
Fifi Arif Saputri, Syahputra, Mahendra Fakhri, School of Communication and Business Telkom University, Indonesia

6:00 – 7:45 am, THURSDAY  Operations Management  Room 4
Session Chair: Mustika Sari

ID 285  Regenerating Innovative Behavior in Non-Profit Organization
Maria Grace Herlina
Hardijanto Saroso
Dicky Hida Syahchari

Senior Lecturer, Management Department
BINUS Business School Undergraduate Program
Bina Nusantara University
Jakarta, Indonesia 11480

ID 319  Foreign Direct Investment in Indonesia's Automotive Industry
Moch Faisal Karim
Assistant Professor
Bina Nusantara University
Jakarta, Indonesia

Amirul Tunggul Tarsanto
Centre for Business and Diplomatic Studies (CBDS)
Jakarta, Indonesia

Dian Novikrisna
Assistant Professor
Bina Nusantara University
Jakarta, Indonesia

ID 326  The Influence of Internship and Self-efficacy on Work Readiness among Higher Education Students in Jakarta
Maria Grace Herlina*
Senior Lecturer, Management Department
BINUS Business School Undergraduate Program
Bina Nusantara University
Jakarta, Indonesia 11480

Alicia Maria Hartono
Cicillia Halim
Senior Students, Management Department
BINUS Business School Undergraduate Program
Bina Nusantara University
Jakarta, Indonesia 11480
ID 333  Comparison of Location Decision in Firm Operational for Manufacturing and Non-Manufacturing Industries (Delphi Method): A Systematic Literature Review  
Elgar Ansyan Mafazi; Haryadi Sarjono  
BINUS Business School Undergraduate, Management Department  
Bina Nusantara University, Jakarta 11480, Indonesia.

ID 334  Implementation of Lean Six Sigma in Textile Industry: A Systematic Literature Review  
Suyani Alie; Haryadi Sarjono  
BINUS Business School Undergraduate, Management Department  
Bina Nusantara University, Jakarta 11480, Indonesia.

ID 335  Implementation of Business Sustainability in Jakarta's Micro Small Medium Enterprises  
Alexander Adinata; Fabien Nicholas Sutedja; Haryadi Sarjono  
BINUS Business School Undergraduate, Management Department  
Bina Nusantara University, Jakarta 11480, Indonesia.

ID 337  An Analysis Approach of The Influence of Customer Reviews and Ratings, Influencer Reviews, and References Group on The Purchase Decision of Frozen Food Products  
Maria Grace Herlina*  
Senior Lecturer, Management Department  
BINUS Business School Undergraduate Program  
Bina Nusantara University  
Jakarta, Indonesia 11480  
Yunita Wijaya Handranata  
Azzahra Dwı Rahmawati  
Dewi  
Senior Lecturers, Senior Student  
Business Creation Program, Management Department  
BINUS Business School Undergraduate Program  
Bina Nusantara University  
Jakarta, Indonesia

ID 403  Development of Blockchain-Based Smart Contract and BIM in Construction Project to Overcome Delay or Failure in Payment  
Rangga Taruna Atmaja  
Department of Civil Engineering  
Universitas Indonesia  
Depok, Indonesia  
Mohammed Ali Berawi  
Department of Civil and Environmental Engineering  
Faculty of Engineering  
Universitas Indonesia  
Depok, Indonesia  
Mustika Sari  
Center for Sustainable Infrastructure Development  
Faculty of Engineering  
Universitas Indonesia  
Depok, Indonesia

6:00 – 7:45 am, THURSDAY  Operations Management  Room 5  
Session Chair: Rosa Patricia Larios-Francia, Universidad de Lima

ID 9  Effort Optimization Model in Warehouse Manual Picking. Case Study: Tusan Distribuidores  
Sebastián Tang Yep  
Universidad de Lima  
Mateo González Cáceres  
Universidad de Lima  
Rosa Patricia Larios-Francia  
Universidad de Lima

ID 84  Location of a Coconut Processing Industry in the Context of the Agri-Food Chain  
Gema Gissell Cedeño-Aguirre  
Carrera de Ingeniería Industrial, Universidad Técnica de Manabi  
Carlos Alberto Flecha-López  
Carrera de Ingeniería Industrial, Universidad Técnica de Manabi  
Ana Julia Acevedo Urquiaga  
Industrial Engineering Program and DlySST Research Group
San Mateo University Foundation

José Fernando Camacho Vallejo, Universidad Autónoma de Nuevo León,

Ricardo José Baquerizo-Crespo, Universidad Técnica de Manabí,

Valeria Monserrate Romero Delgado
MSc student Hungarian University of Agriculture and Life Science
Budapest, Hungary

Neyfe Sablón Cossío
Postgraduate Institute and Production and Services Group (ProServ)
Technical University of Manabí
Portoviejo, Ecuador

ID 320  Computerized Relative Allocation of Facilities Techniques (CRAFT) Algorithm Method for Redesign Production Layout (Case Study: PCL Company)
Atika Nabila, Muhammad Isnaini Hadiyul Umam, Suherman, Anwardi, Vera Devani, Nazaruddin, Muhammad Rizki, Universitas Islam Negeri Sultan Syarif Kasim Riau

ID 270  Feed formulation problem in Peruvian aquaculture: A mathematical programming approach
Bocanegra Cordero Pedro Alonso
Facultad de Ingeniería y Arquitectura
Carrera de Ingeniería Industrial
Universidad de Lima
Lima, Peru

Aliaga Ortiz Rashel Nicole
Facultad de Ingeniería y Arquitectura
Carrera de Ingeniería Industrial
Universidad de Lima
Lima, Peru

García-López Yvan Jesus
Facultad de Ingeniería y Arquitectura
Carrera de Ingeniería Industrial
Universidad de Lima
Lima, Peru

Gutierrez Villaverde Eduardo Herberth
Facultad de Ciencias empresariales y económicas
Carrera de Negocios Internacionales
Universidad de Lima
Lima, Peru

ID 366  A Critical Review on Fluid flow Simulation and Analysis of LNG-driven IC Engine
Kiran M.B.
Department of Mechanical Engineering
School of Technology,
Pandit Deendayal Energy University,
Gandhinagar, Gujarat, INDIA

ID 289  Improvement of Occupational Health and Safety (OHS) System Using Systematic Cause Analysis Technique (SCAT) Method In CV. Wira Vulcanized
M. Rizky
Student at Industrial Engineering
Universitas Islam Negeri Sultan Syarif Kasim, Indonesia

Muhammad Nur
Assistant Professor at Industrial Engineering
Universitas Islam Negeri Sultan Syarif Kasim, Indonesia

Muhammad Ihsan Hamdy
Assistant Professor at Industrial Engineering
Universitas Islam Negeri Sultan Syarif Kasim, Indonesia

Anwardi
Assistant Professor at Industrial Engineering
Universitas Islam Negeri Sultan Syarif Kasim, Indonesia

Ismu Kusumanto
Assistant Professor at Industrial Engineering
Universitas Islam Negeri Sultan Syarif Kasim, Indonesia
Muhammad Rizki  
Assistant Professor at Industrial Engineering  
Universitas Islam Negeri Sultan Syarif Kasim, Indonesia

Nazaruddin  
Assistant Professor at Industrial Engineering  
Universitas Islam Negeri Sultan Syarif Kasim, Indonesia

ID 110 Impact of Boards Gender Diversity on Firm Profitability: Evidence from Food and Beverages Sector of Indonesia  
Triasesiarta Nur  
Finance Program, Accounting Department  
School of Accounting  
Bina Nusantara University  
Jakarta, Indonesia

ID 400 Comparison of Location Decision in Firm Operational for Manufacturing and Non-Manufacturing Industries (Delphi Method) : A Systematic Literature Review  
Elgar Arsyan Mafazi  
BINUS Business School  
Bina Nusantara University, Indonesia

Haryadi Sarjono  
BINUS Business School  
Bina Nusantara University, Indonesia

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**July 21 (THURSDAY) - Session: 8:00 – 9:45 am**

**8:00 – 9:45 am, THURSDAY**  
**Plenary IV**  
**Room 1**

**Session Chair:**

8:00 – 8:30 am (Thursday, July 21)

Dr. Haree Ramasawmy, RPEM, CEng MIMechE  
Associate Professor  
University of Mauritius  
Réduit, Moka, Mauritius

8:30 – 9:00 am (Thursday, July 21)

Steven Sibrel  
Sr. Supplier Quality Engineer  
Harman / Becker  
Farmington, Michigan, United States

9:00 – 9:30 am (Thursday, July 21)

Dr. Christopher Harris  
Associate Professor of Computer Science  
University of Northern Colorado  
Greeley, Colorado, United States

9:30 – 10:00 am (Thursday, July 21)

Dr. Sergio Salimbeni, Eng, MBA, PhD  
Professor & Researcher – Industrial and Management Engineering – Industry 4.0 – Quality 4.0 – PLM4.0  
Universidad del Salvador

**8:00 – 9:45 am, THURSDAY**  
**GSCM I**  
**Room 2**

**Session Chair:**

Speaker I - 8:00 - 8:30 am

Samrat Ray  
Assistant Professor  
Makaut University  
Kolkata, West Bengal, India

Speaker II - 8:30 - 9:00 am

Yousuf Al Khamisi  
Chief Executive Officer  
Business Development and Quality  
Muscat, Masqaṭ, Oman

Speaker III - 9:00 - 9:30 am
ID 462  Marketing Strategy Planning Using SOAR Method and Quantitative Strategic Planning Matrix (QSPM) (Case Study: Computer Embroidery Business Jonifer Embroidery)
Bunga Yulia Nazra
Student at Industrial Engineering
Sultan Syarif Kasim Riau State Islamic University
Riau 28122, Indonesia

Muhammad Rizki, Ismu Kusumanto, Muhammad Ihsan Hamdy, Nazaruddin, Silvia
Assistant Professor Industrial Engineering
Sultan Syarif Kasim Riau State Islamic University
Riau 28122, Indonesia

8:00 – 9:45 am, THURSDAY  Business Management  Room 3
Session Chair:

ID 438  Analysis Application of the Capm Method in Determining Investment Decision in Stocks (Case Study on Pharmaceutical and Health Sub-Sector Companies on the Indonesian Stock Exchange)
Nur Amalia Podungge
Faculty of Communication and Business Telkom University
Bandung, Indonesia

Budi Rustandi Kartawinata
Faculty of Communication and Business Telkom University
Bandung, Indonesia

ID 436  Analysis of the influence of work-life balance and work engagement on turnover intention on milenial and generation z in Indonesia
Erlna Dwi Ratna Sari, Diena Dwidianawati, Muhammad Gianluca Hafidz Fadhillah
Management Department, Blnus Business School Undergraduate Program, Bina Nusantara University, Jl. K.H. Syahdan No. 9, Palmerah, Jakarta 11480, Indonesia

ID 381  Effect of Ownership Structure, Growth, and Liquidity of a Company on Dividend Policy (Case Study the are Insurance Sub-Sector Companies that are registered on the IDX for the 2018-2020 Period)
Ringkin Febbyta Sudjado
Telkom University

Farida Titik Kristanti
Telkom University
Indonesia

ID 412  How Social Media Marketing Consumption, Curation, Creation, And Collaboration Affecting Consumer Buying Interest
Ulfa Yuharidza Hafsari, Anita Silvianita
School of Communication and Business
Telkom University
Indonesia

ID 407  Insurance Technology (Insurtech) : A Momentum To Restore Public Trust In Insurance During Pandemic
Ninnasi Muttaqiin, Reizano Amri Rasyid and Azmil Chusnaini
Nahdlatul Ulama University, Surabaya
Surabaya, East Java, Indonesia

ID 405  Investigating the Low Conversion Rate Through User Experience Analysis: A Case of Telecommunication Company Website
Cahya Perbawa Aji
School of Interdisciplinary Management and Technology
Institut Teknologi Sepuluh Nopember
Surabaya, Indonesia

Reny Nadlifatin
Department of Information Systems
Institut Teknologi Sepuluh Nopember
Surabaya, Indonesia

Satria Fadil Persada
Entrepreneurship Department, Blnus Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

Nazaria Jotur Siregar
Entrepreneurship Department, Blnus Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia
ID 414 Strengthening Innovation Strategy through Intellectual Capital And Technological Strategy
Dicky Hida Syahchari*, Darjat Sudrajat
Management Department, Binus Business School,
Bina Nusantara University, Jakarta, Indonesia 11480

Muh Amsal Sahban
Management Department,
STIM Lasharan Jaya Makassar
Indonesia

ID 409 The Effect of Consumer Trust, Attitude and Behavior Toward Consumer Satisfaction in Online Shopping Platform
Nadia Khotrun Nada, Devilia Sari, Mahendra Fakhri
School of Communication and Business
Telkorn University
Indonesia

ID 458 The Design of Sustainable Lifestyle Application User Interface Using Design Thinking Approach
Evi Margaretha, Maya Arlini Puspita, Amalia Suziandi
Department of Industrial Engineering
Universitas Indonesia
Depok, Indonesia

8:00 – 9:45 am, THURSDAY Business Management Room 4
Session Chair:

ID 332 A Systematic Literature Review of Total Quality Management in Food and Beverages Industry
Fransisco Xaverio Herman; Haryadi Sarjono
BINUS Business School Undergraduate, Management Department
Bina Nusantara University, Jakarta 11480, Indonesia.

ID 176 Women’s Clothing Micro-Enterprises: A Qualitative Analysis of Consumer Perception
Franklin Cordova-Buiza
Research, Innovation and Social Responsibility Department
Universidad Privada del Norte
Lima, Peru

Jorge Luis Yepez-Garcia
Business Faculty, Administration and Marketing
Universidad Privada del Norte
Lima, Peru

Lucero Nicole Huerta-Tantalean
Business Faculty, Administration and Tourism Services
Universidad Privada del Norte
Lima, Peru

ID 179 The Effect of Shopee User Interface Attributes on Indonesian Consumer Engagement
Sharita Airina Azzahra
Marketing Communication Program
Communication Department,
Faculty of Digital Communication and Hotel & Tourism
Bina Nusantara University
Jakarta, Indonesia 11480

Amia Luthfia
Marketing Communication Program
Communication Department,
Faculty of Digital Communication and Hotel & Tourism
Bina Nusantara University
Jakarta, Indonesia 11480

ID 187 A Conceptual Model of Web-rooming Intention of Gen Y Consumers to Buy Branded Fashion Products
Saffa Maulaya Az-Zahra
School of Interdisciplinary Management and Technology
Institut Teknologi Sepuluh Nopember
Surabaya, Indonesia

Reny Nadlifatin
Department of Information Systems
Institut Teknologi Sepuluh Nopember
Surabaya, Indonesia
Satria Fadil Persada
Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

**ID 195**  Analysis of Webrooming Behavioral Intentions on Smartphone Products in Indonesia: A Case Study of the Millennial Generation
Muhammad Haykal Arsyad
Master’s Student
Institut Teknologi Sepuluh Nopember
Surabaya, Indonesia

Reny Nadiifatn
Lecturer
Institut Teknologi Sepuluh Nopember
Surabaya, Indonesia

Satria Fadil Persada
Lecturer
Bina Nusantara University
Jakarta, Indonesia

**ID 209**  Conceptualizing the role of customer satisfaction in fast food consumers with low awareness of healthy eating
Graciela Esperanza Alegria Rodríguez
Business Department, Management and Marketing Undergraduate Program
Universidad Privada del Norte
Trujillo, Perú

Giannela Nahomy Leyva Rodríguez
Business Department, Management and Marketing Undergraduate Program
Universidad Privada del Norte
Trujillo, Perú

Francisco Jesús Paredes León
Business Department, Professor and Researcher
Universidad Privada del Norte
Trujillo, Perú

**ID 204**  Communication of E-Wom, Food Quality, Price Fairness, Perceived Value, Consumer Satisfaction, toward Return Visits of Organic Food Restaurants
Emrus Sihombing
Department of Communication
Faculty of Communication and Political Science
Universitas Pelita Harapan Karawaci Tangerang and UPH Jakarta, Indonesia

John Tampil Purba
Associate Professor at the Faculty of Economics and Business
Pelita Harapan University, Karawaci Banten, Indonesia.

Sidik Budiono
Associate Professor in Economics
Department of Management at the Faculty of Economics and Business
Pelita Harapan University, Lippo Karawaci Tangerang Banten-Indonesia

**ID 411**  The Impact of Customer Satisfaction on Customer Behavior in Purchase Intention in Local Brand Product (Urban Traffic Distro)
M. Fikri, Trisha Gilang Saraswati, Mahendra Fakhri
School of Communication and Business
Telkom University
Indonesia

**ID 454**  Effects of Transformational Leadership and Work Environment toward Organizational Citizenship Behavior on the Employees of Graha Telkomsigma Tangerang
Muhammad Abyan Haidar, Romat Saragih
School of Communication and Business
Telkom University
Indonesia

**8:00 – 9:45 am, THURSDAY**  Case Studies  **Room 5**
Session Chair: Franklin Cordova-Buiza, Universidad Privada del Norte, Lima, Perú

**ID 212**  Relationship marketing and customer loyalty in personalized arrangement businesses
Franklin Cordova-Buiza
Research, innovation and social responsibility department
Universidad Privada del Norte
Lima, Perú
ID 21  Technologies Applied To Public Administration. A Perspective Of Digital Government At A Global Level
Edwin Bulmaro Bahena Amillas, María del Rocio Soto Flores, Ingrid Yadibel Cuevas Zúñiga
Business School
National Polytechnic Institute of Mexico
Mexico City, Mexico

ID 256  Gender Dynamics in Environmental Literacy of East Java Millennials
Lila Nathania, Siswantini, and Aguira Fortuna
Communication Science Department, Faculty of Digital Communication and Hotel & Tourism Bina Nusantara University
Jakarta, Indonesia

ID 261  Infrastructure Development Under the President Jokowi Administration
Tia Mariatul Kibtiah, Sabaria C. Debora
Lecturer, International Relations Department, Faculty of Humanities
Bina Nusantara University
Jakarta, Indonesia 11480

ID 322  An Economic Analysis of the Roles of Metal Industries in the National Economy: The Case of Japan
Ubaidillah Zuhdi
Faculty of Business Economics and Digital Technology
Universitas Nahdlatul Ulama Surabaya
Surabaya, East Java, Indonesia

ID 402  The Increasing Of Online Local Brand Purchase: Influence And Relationship On Brand Loyalty And Word Of Mouth During The Pandemic
Rizano Amri Rasyid, Azmil Chusnaini
Lecturer
Nahdlatul Ulama Surabaya University
Surabaya, Indonesia

ID 388  The Influence of Corporate Governance Mechanism On the Financial Performance of the State-Owned Bank Listed On the Indonesia Stock Exchange (IDX)
Deannes Isynuwardhana, Nadya Prameswari
Faculty of Business and Economics
Telkom University
Dayeuhkolot, 40257, Kabupaten Bandung, Indonesia

ID 451  Research Trends in Sustainable Competitive Advantage Management Over the Last Decade
Andrinof Chaniago, Mohammad Hamsal, Asnan Furinto and Rano Kartono
Doctor of Research Student in Management, Binus Business School, Binus University
Jl. Hang Lekir I No.6, Senayan
July 21 (THURSDAY) - Session: 10:00 am – 1:00 pm

Keynote Speakers – Room 1

Keynote IX: Thursday, 10:20 – 11:00 am

**Marco Carvalho**
CEO
Matza Education, São Paulo (SP), Brazil

Keynote X: Thursday, 11:00 – 11:40 am

**Prof. Samuel Wiens Bartel**
Profesor
Universitario para Liderazgo y Desarrollo Personal, Paraguay

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

**Dr. Mario Chauca**
Professor
Ricardo Palma University, Santiago de Surco, Peru

Keynote XII: Thursday, July 21, 12:20 – 1:00 pm

**Prof. Dr. Marcelo Castier**
Dean of the Faculty of Engineering Sciences
UPA – Universidad Paraguayo Alemana
German Paraguayan University
San Lorenzo, Paraguay

Keynote XII: Thursday, July 21, 1:00 – 1:30 pm

**Michel Baudin**
Owner, Takt Times Group
Co-founder, Grokcity, Inc.
Palo Alto, California
United States

1:30 – 2:00 pm – Lunch Break (Provided)

July 21 (THURSDAY) - Session: 2:00 – 3:45 pm

2:00 – 3:45, THURSDAY

Room 1
Diversity and Inclusion Panel Sponsored by Ford Motor Company

Panel Chair
Professor Donald M. Reimer
President, The Small Business Strategy Group
Detroit, Michigan, USA
Adjunct Faculty – A. Leon Linton Department of Mechanical Engineering
Lawrence Technological University
Southfield, Michigan, USA

Panel Speaker I

Panel Speaker II

Panel Speaker III

2:00 – 3:45, THURSDAY  GSCM II  Room 2
Session Chair:

Speaker I – 2:00 – 2:20 pm
Dr. Mesbahuddin Chowdhury
Senior Lecturer in Operations and Supply Chain Management
University of Canterbury
Canterbury, New Zealand

Speaker II – 2:20 – 2:40 pm
Md Jaman
Supply Chain Planner
PepsiCo
Wichita, Kansas, United States

Speaker III – 2:40 – 3:00 pm
Speaker IV – 3:00 – 3:20 pm
Speaker V – 3:20 – 3:40 pm

July 21 (THURSDAY) - Session: 4:00 – 5:45 pm

4:00 – 5:45, THURSDAY  GSCM Panel  Room 1
Panel Chair

Panel Speaker I

Panel Speaker II

Panel Speaker III

4:00 – 5:45, THURSDAY  GBME II  Room 2
Session Chair: Dr. Muhammad Ikhsan Setiawan

Speaker I – 4:00 – 4:20 pm, Thursday, July 21
Prof. Dr. Yigit Kazancoglu
Professor and Dept. Head
Dept. of Logistics Management
Faculty of Business
Yasar University
Bornova, Izmir, Turkey

Speaker II – 4:20 – 4:40 pm, Thursday, July 21
Dr. Hayder Zghair
assistant professor of industrial engineering
July 21 (THURSDAY) - Session: 7:00 – 10:00 pm
Conference Virtual Awards Dinner

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7th North American IEOM Conference, Orlando, USA, June 11-14, 2022
Venue: Holiday Inn & Suites Across from Universal Orlando. Host: Florida Polytechnic University

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)
IEOM Student Chapters

Pontificia Universidad Católica del Perú (PUCP), Lima, Peru

Chinhoyi University of Technology (CUT), Zimbabwe
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Upcoming Events

2nd Indian Conference on Industrial Engineering and Operations Management
August 16-18, 2022, Warangal, India
Hosts: NIT, Warangal and JNTU, Hyderabad

3rd Asia Pacific Conference on Industrial Engineering and Operations Management
Sept. 13-15, 2022, Johor Bahru, Malaysia
Hosts: Universiti Teknologi Malaysia (UTM) & Universitas Sebelas Maret (UNS), Indonesia

First Australian Conference on Industrial Engineering and Operations Management
Sydney, Australia, December 20-22, 2022
Venue: Hilton Sydney, NSW, Australia

5th International Conference on Industrial and Mechanical Engineering and Operations Management™ (IMEOM)
Dhaka, Bangladesh, December 26-27, 2022
Venue: Krishibid Institution Bangladesh Complex, Farmgate, Dhaka

13th Annual International Conference on Industrial Engineering and Operations Management
March 7-9, 2023, Manila, Philippines
Venue: Hilton Manila, Host: De La Salle University