

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

*Assunción,  
Paraguay*

July 19-21, 2022

Organizer



Host University



# Sponsors and Partners



# Organizer



**IEOM Society**

"Achieving and Sustaining Operational Excellence"

[www.ieomsociety.org](http://www.ieomsociety.org)

**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](mailto:info@ieomsociety.org)

# Welcome to the 3<sup>rd</sup> 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 3<sup>rd</sup> 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 3<sup>rd</sup> South American Conference:

1. Mr. Sumihiro Takaoka, President, Sumi S.A. President, Japan Paraguay Chamber of Commerce
2. Dr. Heriberto García-Reyes, PhD, Regional Chairman, Industrial Engineering Department, Tecnológico 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 Biotecnología Agrícola (INBIO), Asuncion Paraguay
9. Marco Carvalho, CEO, Matza Education, São 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, Grokcity, Inc., Palo Alto, California, United States

At this conference, the IEOM Society will hold its 31<sup>st</sup> Global Engineering Education session. It will feature distinguished speakers who will discuss workforce readiness and engineering education challenges and opportunities. The 30<sup>th</sup> 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 10<sup>th</sup> 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.



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



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



**Prof. Vitor M. Caldana**  
Conference Program Chair  
IFSP – Instituto Federal de  
São Paulo  
Campus Sorocaba  
Sao Paulo, SP, Brazil



**Prof. Don Reimer**  
Program Co-Chair  
Director of Membership and  
Chapter Development  
IEOM Society International  
President, The Small Business  
Strategy Group, Detroit, USA

# 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, Tecnológico 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 Paraguayo 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

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



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

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Keynote II: Tuesday, 11:00 – 11:40 am



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

Dr. Heriberto Garcia-Reyes is a professor and Regional Chairman of the Industrial Engineering Department. He has been a faculty member at Tecnológico 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 conference 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.

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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), Erskine 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.

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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.

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## Wednesday, July 20

10:00 – 10:20 am Conference Chair Remarks

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



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

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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

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## 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 IFEEES 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 AOTS Tokyo (Japan), 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 pursued 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.

**Plenary II**  
**July 19, Tuesday, 4:00 – 5:30 am – 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)

**Plenary III**  
**July 20, Wednesday, 8:00 – 9:30 am – Room 1**  
**Session Chair: Victoria Canela**

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 Cume Laude) from the Technological Institute of Santo Domingo (INTEC), with a master's degree on Business Management and Productivity from 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 from 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 from 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**

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**  
Senior Supplier Quality Manager  
Harman International  
Novi, Michigan, USA  
Professional Development Chair and Past Chair – ASQ Greater Detroit

Steve Sibrel is a business process improvement trainer, coach and auditor with over 35 years of experience in the business and manufacturing world. He is currently working as Senior Supplier Quality Manager at Harman International, a manufacturer of audio and infotainment systems for consumer, professional, and automotive industries, with well-known brands such as JBL, Lexicon, Crown, Infinity, Mark Levinson, Becker and Harman-

Kardon. Previously he held a number of engineering and management positions in diverse industries at Applied Materials (Semiconductor), NEC (Telecommunications) and Texas Instruments (Military). He has conducted over 200 supplier audits in North America, Europe, and Asia and is a Lead Auditor for ISO/TS16949, ISO9001, ISO13485, ISO17025, and 21CFR820. He has been the Chair for Professional Development for the ASQ Detroit section since 2008. He received the Distinguished Service Award in 2008 and the Leadership Award in 2013 from ASQ. Current ASQ Certifications held are Six Sigma Black Belt, Quality Engineer, Quality Inspector, Quality Auditor, and Manager of Quality/ Organizational Excellence. He is an adjunct faculty member at Macomb Community College. Steve has a BSEE degree from Rose Hulman Institute of Technology and an MSEE degree from Southern Methodist University.

9:00 – 9:30 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.

9:30 – 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.

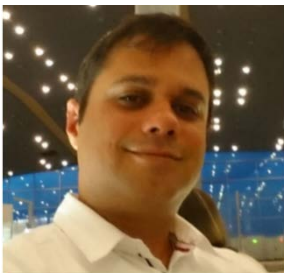


### Dr. Daniel Guillermo Cordero Moreno

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 Tecnológico 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



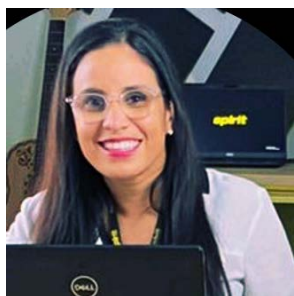
### Dr. Ximena Córdova Vallejo

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 for 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 have 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 have 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

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## 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

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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.

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Panel Speaker II



**Javier Enríquez**

PM Consultant  
IT, Mining & Construction  
Lima, Peru

Panel Speaker III

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**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 Tecnológico 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 Almk 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.

**Diversity & Inclusion Panel sponsored by Ford Motor Company**

July 21, 2022, 2:00 – 3:45 pm

## 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

Donald M. Reimer is an adjunct faculty at the A. Leon Linton Department of Mechanical Engineering in College of Engineering at Lawrence Tech in Southfield, Michigan. He coordinates the Certificate of Entrepreneurial Engineering Skills. Mr. Reimer holds a Bachelor of Science degree in Industrial Management from Lawrence Technological University and a Master of Arts degree in Political Science from University of Detroit/Mercy. He is a

Certified Management Consultant with over 35 years of experience in working with closely-held businesses. He has taught courses in entrepreneurship, strategic management, corporate entrepreneurship and innovation for engineers. Mr. Reimer is a member of the Lawrence Tech Kern Campus Committee, Coordinator of the Lawrence Tech Innovation Encounter. He is faculty Advisor of the Collegiate Entrepreneurs' Organization. Mr. Reimer serves as a Kern Fellow of The Kern Family Foundation, Co-Direct of the Coleman Fellows Program, member of the National Collegiate Entrepreneurs' Organization Faculty Advisory Council and is a member of the American Society of Engineering Education.

He has operated his own consulting company – The Small Business Strategy Group for 23 years. He published numerous articles on small business, entrepreneurship and strategic thinking. He has received several awards and recognition by local, state and federal agencies for his work in entrepreneurship and minority business development. Mr. Reimer served as member of the Minority Economic Development Committee of New Detroit. Mr. Reimer is member of the Small Business Advisory Council of the Detroit Regional Chamber of Commerce. Mr. Reimer is a member of Advisory Board of the Milwaukee Junction Small Business Assistance Center. He is also a member of the Applied Innovation Alliance. Mr. Reimer serves as a KEEN Fellow for The Kern Family Foundation and is a member of United States Association of Small Business and Entrepreneurship.

## Panel Speaker I

**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 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, México. 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 & Cia-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

Manufacturing and Lean Logistics at Interamerican Bank for Development, WHO, UN, World Wide Bank, Coca-Cola, Ministry of Health, Costa Rica, Honduras, Panamá, Costa Rican Institute for Electricity, RTC- Perú, Young Electrical Signs, Nevada, USA, AirCare Inc., Reno, Nevada, Plan International-Honduras, Bournes Co., DOLE Co. and many others. In addition, Dr. Caldwell currently serves as Director of the Central America Robotics and Industry 4.0 Challenge Contest (ROBOTIFEST) and General Manager at Kaikaku Institute Latin America.

## 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

1. Australia	11. Indonesia	21. Philippines	30. Trinidad and Tobago
2. Bolivia	12. Iraq	22. Portugal	31. Turkey
3. Brazil	13. Jamaica	23. Saudi Arabia	32. UK
4. Chile	14. Mexico	24. South Africa	33. United Arab Emirates
5. Colombia	15. Morocco	25. Spain	34. United States
6. Cuba	16. Namibia	26. Sri Lanka	
7. Ecuador	17. Nigeria	27. Sweden	
8. Finland	18. Pakistan	28. Taiwan	
9. Hungary	19. Paraguay	29. Thailand	
10. India	20. Peru		

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Dr. Ahad Ali, Associate Professor and Director of IE Program, Lawrence Technological University, Michigan, USA

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Prof. Don, Reimer, Adjunct Professor, LTU, MI, USA

## Track Chair

Prof. Dr. Henrique Ewbank, Department of Production Engineering, FACENS University, Sorocaba, Sao Paulo, Brazil

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Dillon Ramdhanie, The University of the West Indies, Trinidad and Tobago  
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Ebert Brea, Universidad Católica Andrés Bello, Venezuela

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Gustavo Gatica, Universidad Andrés Bello, Chile  
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Héctor Bravo, Universidad Nacional de Ingeniería, Lima, Peru  
Hector Gomez, Universidad Tecnica de Ambato, Ecuador  
Henrique Ewbank, FACENS University, Sorocaba, Sao Paulo, Brazil  
Hernan Nina Hanco Universidad Nacional de San Antonio Abad del Cusco, Cusco, Peru  
Hernando Garzón Sáenz, Research Professor, Industrial Engineering, Technology in Industrial Production, Fundación Universitaria Tecnológico Comfenalco, Cartagena, Bolívar, Colombia  
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Humberto Alvarez, Universidad Tecnológica de Panamá, Panama  
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Jorge L. Recalde-Ramírez, Universidad Nacional de Asunción, Paraguay  
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Juan Carlos Bueno, Universidad de Ingeniería y Tecnología UTEC, Peru  
Juan Jeús Arenas, Pontificia Universidad Católica del Perú, Peru  
Junior Bennett, University of Technology, Jamaica, Jamaica  
Katerine Becerra, Universidad Peruana de Ciencias Aplicadas, Lima, Peru  
Lara Brunelle Almeida Freitas, Universidade Estadual do Oeste do Paraná – UNIOESTE, Brazil  
Lauro Enciso Rodas, Universidad Nacional de San Antonio Abad del Cusco, Peru  
Lauro Enciso Rodas, Universidad Nacional de San Antonio Abad del Cusco, Cusco, Peru  
Leon Gil Carlos Alberto, Universidad de Lasalle, Colombia  
Lina Carvajal, Universidad Piloto de Colombia, Colombia  
Luis Bravo Sánchez, Universidad Estatal Amazónica, Ecuador  
Luis Ignacio Garcés Monge, Instituto Tecnológico de Costa Rica, Costa Rica  
Macarena Navarro, Pontificia Universidad Católica de Chile, Chile  
Marcus Vinicius de Araujo, Rio de Janeiro State University, Brazil  
Maria Almeida, Universidade do Rio de Janeiro, Brazil  
Maria Baldeon Calisto, Universidad San Francisco de Quito, Ecuador  
María M. López, Universidad Nacional de Asunción, Paraguay.  
Mario Chauca, Universidad Ricardo Palma, Peru  
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## 31<sup>st</sup> 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)

8:30 – 9:00 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 IISE 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 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.

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 (ENAE). 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), Comverse 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***

3:30 – 4:00 pm (Tuesday, July 19)

**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.

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# 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, Luck now 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 Aligappa 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, Mangalmai 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

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 "GETM3 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", "Nifco", "NBT", "North East Chamber of Commerce", "North East Freight Partnership", etc.

Speaker V – 5:20 – 4:40 pm, Wednesday, July 20



**Professor Abdul Talib Bon, Ph.D.**  
 Professor of Technology Management  
 Department of Production and Operations Management  
 Faculty of Technology Management and Business  
 Universiti Tun Hussein Onn Malaysia

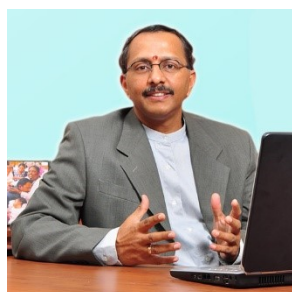
Dr. Abdul Talib Bon is Professor of Technology Management in Department of Production and Operations Management, Faculty of Technology Management and Business at the Universiti Tun Hussein Onn Malaysia. He has a PhD in Computer Science, which he obtained from the Universite de La Rochelle, France in the year 2008. His doctoral thesis was on topic Process Quality Improvement on Beltline Moulding Manufacturing. He studied Business Administration major in Quality Management at the master's level in the Universiti Kebangsaan Malaysia for which he was awarded the MBA in the year 1998. He's bachelor degree and diploma in Mechanical Engineering which he obtained from the Universiti Teknologi Malaysia. He received his postgraduate certificate in Mechatronics and Robotics from Carlisle, United Kingdom in 1997. He is Managing Director of UTHM Teaching Factory and Manager of Centre for Technology (Furniture Innovation Technology) from 1 September 2016 and Head of Program Bachelor of Technology Management (Furniture Design and Manufacturing) with Honours from 2014 until now. Before this he was the Deputy Dean (Research and Development) at the Faculty of Technology Management and Business in the Universiti Tun Hussein Onn Malaysia from 2008 until December 2011. Dr. Abdul Talib Bon has had over 28 year experience of teaching in higher learning education. A major part of his teaching experience involves teaching mechanical engineering students in polytechnics. However, from the year 1999, he was given the opportunity to be jointed in the Institut Teknologi Tun Hussein Onn (ITTTHO), Universiti Teknologi Malaysia as a lecturer in Mechanical Engineering Department. In this institute, he teaches engineering management and quality control at the under-graduate level. Dr. Abdul Talib Bon has multidisciplinary research interests that encompass industrial engineering, quality management and production and operation management. His completed ten research grant projects include applications of forecasting in industries. His current research project is looking into developing process quality improvement (PQI) in manufacturing industries. He has supervised more than 65 undergraduate and postgraduate research projects. He has served as a reviewer for a number of engineering management and computer science conferences and journals as part of his expertise sharing initiatives. He had published more than 150 International Proceedings and International Journals and 8 books. He is also President of Industrial Engineering and Operation Management Society (IEOMS, Malaysia), Council member of Management Science and Operation Research Society of Malaysia (MSORS), member of International Association of Engineers (IAENG), member of Institute of Industrial Engineer (IIE), USA, member of International Institute of Forecasters (IIF), member of Technological Association of Malaysia (TAM) and associate member of Malaysian Institute of Management (AMIM).

## 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 Vishwa 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 in 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. Yigit Kazancoglu**  
Professor and Dept. Head, Dept. of Logistics Management  
Faculty of Business, Yasar University  
Bornova, Izmir, Turkey

Prof. Yiğit Kazançoğlu 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.

In May 2019, he is assigned as Full Professor Dr. in the same department. He completed his military service as an academican in Turkish Military Academy in 2009. He was the director of Izmir University of Economics Continuing Education Center (EKOSEM) between 2009-2014 and member of the executive board in Center for Urban and Regional Development and Environment (URDE/EKOKENT) between 2008-2016. He is the head of International Logistics Management Department in Yasar University since 2017. He has published many papers in reputed international journals (International Journal of Production Research, Production Planning and Control, Business Strategy and the Environment, Journal of Cleaner Production, International Journal of Logistics Management, Expert Systems with Applications, Annals of Operations Research, Transportation Research Part – E, Technological Forecasting and Social Change, Sustainable Cities and Society, Sustainable Production and Consumption, Resource Conservation and Recycling, Environmental Science and Pollution Research, Sustainable Development, Journal Material Cycles and Waste Management, Computers and Operations Research, Journal of Global Information Management, Science of Total Environment; Operations Management Research, Journal of Enterprise Information Management, International Journal of Logistics Research and Applications, Industrial Data and Management System, International Journal of Quality and Reliability Management). His research areas are: Operations Management, Supply Chain Management, Total Quality Management, Sustainability, Circular Economy, MCDM multi criteria decision making methods. Prof. Dr. Kazançoğlu, is ranked as the top scholar in Turkey according to P-Rank (2016-2021) based on both "ABDC Journal Quality List" ve "Scimago Journal Ranks". He is associate editor in IJMEMS (International Journal of Mathematical, Engineering and Management Sciences – indexed in Scopus & ESCI).

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's teaching experience covers five main areas of industrial engineering, systems modeling and simulation, IIoT 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.

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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)

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## 30<sup>th</sup> IEOM Industry Solutions

### Distinguished Speakers

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#### 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

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# 4th IEOM South American Industrial Engineering and Operations Management Conference

Lima, Peru, May 9-11, 2023, Venue: JW Marriott Hotel Lima

<https://ieomsociety.org/peru2023/>



## Hosts



## Partner Universities



## 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 Martín 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)

# 10<sup>th</sup> 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, Asistant 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**

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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

	Room 1	Room 2	Room 3	Room 4	Room 5
6:00 – 7:45 am	e-Business	Entrepreneurship	IT	Lean	Business Management
8:00 – 9:45 am	Undergraduate Paper Competition	Undergrad Research Competition	Lean Six Sigma Competition	SCM	Sustainability
10:00 – 11:45 am	Undergraduate Paper Competition	Graduate Paper Competition	MS Thesis and SCM Competition	Industry 4.0	Business Management
12:00 – 1:45 pm	Undergraduate Paper Competition	PhD Dissertation Competition Simulation Competition	Sr. Design Competition	IoT	Engineering Education
2:00 – 4:00 pm	Undergraduate Paper Competition	Poster Competition	High School STEM Competition	AI	OM

## TUESDAY, July 19, 2022

	Room 1	Room 2	Room 3	Room 4	Room 5
6:00	Design and Analysis	Construction Management	e-Business	Innovation	HF
8:00	Plenary I	GEE I	Data Analytics	Case Studies	Cyber Security
10:00	Welcome Address from Host - Room 1				
10:20	Keynote I (Opening Keynote): Mr. Sumihiro Takaoka, President, Sumi S.A. President, Japan Paraguay Chamber of Commerce - Room 1				
11:00	Keynote II: Dr. Heriberto García-Reyes, PhD, Regional Chairman, Industrial Engineering Department, Tecnológico de Monterrey, Monterrey, Mexico - Room 1				
11:40	Keynote 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	Keynote IV: Dr. Sérgio Shimura, Federal Institute of Education, Science and Technology of São Paulo, Brazil - (Room 1)				
1:00	Lunch Break				
2:00	Electromobility Panel	GEE II	Lean Six Sigma		
4:00	Women in Industry and Academia Panel	Plenary II			

## Wednesday, July 20, 2022

	Room 1	Room 2	Room 3	Room 4	Room 5
6:00	e-Business	Decision Sciences	Environmental Engineering	Manufacturing	OM
8:00	Plenary III	Industry Solutions I	Case Studies	BM	Applied Statistics
10:00	Welcome Address from Host - (Room 1)				
10:20	Keynote V: Claudio Vierci, Director-Presidente, Vierci Development, Paraguay- (Room 1)				
11:00	Keynote VI: Dr. Clinton AIGBAVBOA, Professor, Department of Construction Management and Quantity Surveying, University of Johannesburg, South Africa-Room 1				
11:40	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)				
12:20	Keynote VIII: Alfred Fast, CEO, Fecoprod Ltda. and President, El Instituto de Biotecnología Agrícola (INBIO), Asuncion Paraguay- (Room 1)				
1:00	Lunch Break				
2:00	Lean Six Sigma Panel	Industry Solutions II			
4:00	Panel on "The Impact of Extra Curriculum Activities in Professional Performance"	Global Business Management Education I			

## Thursday, July 21, 2022

	Room 1	Room 2	Room 3	Room 4	Room 5
6:00	AI	SCM	Technology Management	OM	OM
8:00	Plenary IV	GSCM I	BM	BM	Case Studies
10:00	Welcome Address from Host – Room 1				
10:20	Keynote IX: Marco Carvalho, CEO, Matza Education, São Paulo (SP), Brazil - Room 1				
11:00	Keynote X: Prof. Samuel Wiens Bartel, Profesor, Universitario para Liderazgo y Desarrollo Personal, Paraguay -Room 1				
11:40	Keynote XI: Dr. Mario Chauca, Professor, Ricardo Palma University, Santiago de Surco, Peru - (Room 1)				
12:20	Keynote XII: Prof. Dr. Marcelo Castier, Dean of the Faculty of Engineering Sciences, UPA – Universidad Paraguayo Alemana / German Paraguayan University, San Lorenzo, Paraguay - (Room 1)				
1:00	Keynote XIII: Michel Baudin, Owner, Takt Times Group, Co-founder, Grokcity, Inc., Palo Alto, California, United States				
1:30	Lunch Break				
2:00	Diversity and Inclusion Panel	GSCM II			
4:00	GSCM Panel	Global Business Management Education II			
7:00	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  
 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 Djundharto Djajasinga, Politeknik Transportasi Darat Indonesia-STTD  
 Sawqi Saad El Hasan, Sekolah Tinggi Ekonomi Bisnis Islam Syari'ah Bina Mandiri  
 Rofiq Noorman Haryadi, Sekolah Tinggi Ekonomi Bisnis Islam Syariah Bina Mandiri, Bogor, Indonesia 11480  
 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  
 Rivaldhy N. Muhammad, Study Program of Law, Faculty of Law, Social and Political Sciences, Open University, 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 Djundharto Djajasinga, Politeknik Transportasi Darat Indonesia-STTD  
 Enggal Sriwardiningsih, Management Department, Binus Business School, Bina Nusantara University, Jakarta, Indonesia,  
 Indra Kusumadi Hartono, Information Systems Department, School of Information system, Bina Nusantara University, Jakarta, Indonesia 11480  
 Rozali Toyib, Universitas Muhammadiyah, Bengkulu, 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  
 Prasetya Cahya S, Information Systems Department, School of Information system, Bina Nusantara University, Jakarta, Indonesia  
 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  
 Nico Djundharto Djajasinga, Politeknik Transportasi Darat Indonesia-STTD,  
 Rivaldhy N. Muhammad, Study Program of Law, Faculty of Law, Social and Political Sciences, Open University, Indonesia  
 Destiana Kumala, Sekolah Tinggi Ekonomi Bisnis Islam Syariah Bina Mandiri, Bogor, Indonesia  
 Rozali Toyib, Universitas Muhammadiyah, Bengkulu, 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  
 Sawqi Saad El Hasan, Sekolah Tinggi Ekonomi Bisnis Islam Syari'ah Bina Mandiri.  
 Muhammad Abrar Kasmin Hutagalung, Universitas Potensi Utama  
 Rofiq Noorman Haryadi, Sekolah Tinggi Ekonomi Bisnis Islam Syariah Bina Mandiri, Bogor, Indonesia 11480  
 Muhammad Salman Al Farisi, Sekolah Tinggi Ekonomi Bisnis Syari'ah Bina Mandiri

**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, Binus Business School, Bina Nusantara University, Jakarta, Indonesia,  
 Ade Fadli Fachrul, STTD Al Hikmah, Jakarta, Indonesia  
 Rajiv Dharma Mangruwa, Communication and Business-Telkom University, Bandung, Indonesia, Azman Hashim International Business School –  
 University of Technology Malaysia, Malaysia  
 Muhammad Salman Al Farisi, Sekolah Tinggi Ekonomi Bisnis Syari'ah Bina Mandiri  
 Rizky Muslim Fadhilah Fachri, Data Science Cyber Security Swiss German University  
 Reni Nuraeni, Communication Studies Program, Faculty of Communication and Business, Telkom University  
 Rivaldhy N. Muhammad, Study Program of Law, Faculty of Law, Social and Political Sciences, Open University, Indonesia

**ID 151 Smart Tourism Destination: A Comparative Study for Five Super Priority Destinations in Indonesia**

Fithria Khairina Damanik, Hana Ulinuha, Wendy Purnama Tarigan, Lecturer at Tourism Destination Department, Faculty of Economics and  
 Communication, Bina Nusantara University, Jakarta, 11480, Indonesia  
 Ersalora Lutfianti, 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

**6:00 – 7:45 am, MONDAY****Entrepreneurship and Innovation****Room 2**

Session Chair: Dhiya Falha Idafi, School of Communication and Business Telkom University, Indonesia

**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 Rosyidah, 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 11480

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

**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 Dicipline on Employee Performance Pt Telkom Purwokerto**

Dhiya Falha Idafi, and Romat Saragih, School of Communication and Business Telkom University, Indonesia

**6:00 – 7:45 am, MONDAY****Information Systems and Information Technology****Room 3**

Session Chair: Luz Labrín-Inzunza, Universidad del Bío-Bío, Concepción, Chile

**ID 219 A Tutorial on Cognitive Radio Principles and Spectrum Sensing**

Hussaini Adamu, Salawudeen Nathaniel, Abubakar Sadiq 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 Nourma Budiarti, Mas Syahdan Filsafan, Endang Sulistyani, Heni 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**

Tarimantan 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

Tarimantan Sanberto Saragih, Erwin Wibowo, An Nisa Pramasanti, M Andika Putra, BPJS Ketenagakerjaan, East Java Regional Office, Jl. Raya Juanda No. 52, Sidoarjo, East Java, Indonesia 61253.

**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 Lumban 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, Satriya 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 Ramírez-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 Bío-Bío, Concepción, Chile

Patricio Ramírez-Correa, Universidad Católica del Norte, Coquimbo, Chile  
Elizabeth E. Grandón, Universidad del Bío-Bío, 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 Bío-Bío, Concepción, Chile  
Elizabeth E. Grandón, Universidad del Bío-Bío, 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 315 Market Basket Analysis with Equivalence Class Transformation Algorithm (ECLAT) For Inventory Management Using Economic Order Quantity (EOQ)**

Ifa Fauziah, Student at Industrial Engineering, Universitas Islam Negeri Sultan Syarif Kasim Riau  
Muhammad Rizki, Assistant Professor Industrial Engineering, Universitas Islam Negeri Sultan Syarif Kasim Riau  
Misra Hartati, Assistant Professor Industrial Engineering, Universitas Islam Negeri Sultan Syarif Kasim Riau  
Nazaruddin, Assistant Professor Industrial Engineering, Universitas Islam Negeri Sultan Syarif Kasim Riau  
Anwardi, Assistant Professor Industrial Engineering, Universitas Islam Negeri Sultan Syarif Kasim Riau  
Fitra Lestari, Associated Professor Industrial Engineering, Universitas Islam Negeri Sultan Syarif Kasim Riau

**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 Sandoya  
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 Elfita, Universitas Nahdlatul Ulama Surabaya, Surabaya, Indonesia

**ID 154 Role of Accounting Conservatism In Corporate Governance On Tax Avoidance**

Heni Agustina, Mohamad Rijal Iskandar Zhulqurnain, Rizki Amalia Elfita, Hidayatul Khusnah, and Riyan Sisiyawan Putra  
Universitas Nahdlatul 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 Elfita, Heni Agustina, Mohamad Rijal Iskandar Zhulqurnain, Hidayatul Khusnah, and Riyan Sisiyawan Putra  
Universitas Nahdlatul Ulama Surabaya, Surabaya, Indonesia  
Triyonowati, Sekolah Tinggi Ilmu Ekonomi Indonesia, 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,  
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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 Yeesoonsee  
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**

Ratih Mutmanikkang 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

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**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 Rodríguez, 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, Facultat de Matemàtiques 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 Faridalthaf, 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 Pérez, 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

Daniel Riofrío  
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-Díaz, 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

**8:00 – 9:45 am, MONDAY**

**Undergraduate Research Competition**

**Room 2**

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. Sibál, 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**

Wendell Gil L. Atencia, Rinzel Janelle M. Co, Lara Camille V. Gicale, Richard D. Lumokso, Jessica I. Regondola, Coleen Charlotte O. Simon and Lemuel Edwin L.Tan  
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  
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Reny Nadlifatin  
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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**

Baijet 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

Irwansyah  
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  
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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

Faculty of Industrial Technology and Systems Engineering  
Institut Teknologi Sepuluh Nopember  
Surabaya, 60111, Indonesia

Niniet Indah Arvitrida, S.T, M.T, Ph. D  
Department of Industrial and Systems Engineering  
Faculty of Industrial Technology and Systems Engineering  
Institut Teknologi Sepuluh Nopember  
Surabaya, 60111, Indonesia

**8:00 – 9:45 am, MONDAY****Sustainability****Room 5**

Session Chair: Moch Faisal Karim, Bina Nusantara University, Jakarta, Indonesia

**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

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Jakarta, Indonesia.

BINA RAHAYU WARDANI

Accounting Departement, School of Accounting  
Bina Nusantara University  
Jakarta, Indonesia

MELINDA AMELIA

Accounting Departement, School of Accounting.  
Bina Nusantara University.  
Jakarta, Indonesia.

**ID 165 The Effect of Research and Development, Product Market Competition on Firm Value (Empirical Study on Health Companies Listed on the Indonesia Stock Exchange for the 2018-2020 Period)**

Silvia Dewiyanti, S.E., M.Si., Ak., CA., CSRA

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Accounting Departement. 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 Ariyani 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 Sari<sup>1</sup>, Mohammad Hamsal<sup>2</sup>, Asnan Furinto<sup>3</sup>, Rano Kartono<sup>4</sup>  
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

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**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-Correa, 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

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 Rodriguez-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

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 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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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 Septyan 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 Logisitcs Competition****ID 70 Implementing Digital Procurement in Construction Industry**

Clarinda Joanne Ellorin Igras, 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 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

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 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

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Chung Yuan Christian University

Taoyuan City, Taiwan

Satria Fadil Persada

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

**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, Binus Business School,  
Bina Nusantara University, Jakarta, Indonesia 11480

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

Hardijanto Saroso  
Assistant Professor  
Management Department, Binus Business School,  
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Hendry Hartono  
Assistant Professor  
Management Department, Binus Business School,  
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, Binus Business School,  
Bina Nusantara University, Jakarta, Indonesia 11480

Darjat Sudrajat  
Assistant Professor  
Management Department, Binus Business School,  
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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

Departamento de Engenharia  
Universidade Federal Fluminense  
Rio de Janeiro, Brasil

**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

Eduardo M.G. Rodrigues  
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

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

**10:00 – 11:45 am, MONDAY****Business Management****Room 5**

Session Chair: Lucero Nicole Huerta-Tantalean

**ID 158 Financial Distress on Financial Statement Fraud: The Moderate Role of Female CEO**

Hidayatul Khusnah, Riyan Sisiawan Putra, Heni Agustina, Rizki Amalia Elfita, Mohamad Rijal Iskandar Zhulqurnain, Ifah Nurdiana  
Universitas Nahdlatul Ulama Surabaya

**ID 159 The Effect of Organizational Culture on Employee Performance Through Job Satisfaction as A Variable of Mediation in Primebiz Hotel Surabaya**

Riyan Sisiawan Putra, Hidayatul Khusnah, Heni Agustina, Mohamad Rijal Iskandar Zhulqurnain, Abdul Aziz Bandar Basag, and Rizki Amalia Elfita  
Universitas Nahdlatul Ulama Surabaya  
Surabaya, Indonesia  
Indrianawati Usman  
Airlangga University  
Surabaya, Indonesia

**ID 166 Comparison between Generation X and Generation Y on the Preferred Retention Factors**

Jefta Harlianto and Rudi  
Management Department  
BINUS Business School Undergraduate Program  
BINUS University  
Jakarta, 11530, Indonesia

**ID 170 The Role of Workload and Organizational Culture on Employee Performance with Work Life Balance as an Intervening Variable during a WFH & WFO Implementation**

Shelvy Kurniawan1\*, 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

**ID 171 Understanding Social Media Marketing to Emotional Experience: Self-congruence Theory Perspective**

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

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

**ID 172 Staff Turnover and Job Performance of Janitors and Cleaning Workers: A correlational study in MYPES**

Franklin Cordova-Buiza  
Research, Innovation and Social Responsibility Department  
Universidad Privada del Norte  
Lima, Peru

Lucero Del Rosario Rojas-Delgado  
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 175 Behavior of the Peruvian Consumer Towards American Casual Dining Restaurant Chains**

Lucero Nicole Huerta-Tantalean  
Business Faculty, Administration and Tourism Services  
Universidad Privada del Norte  
Lima, Peru

Nataly Alexis Carrasco-Carrasco  
Maria Eugenia Castillo-Silva  
Business Faculty, Administration and Marketing  
Universidad Privada del Norte  
Lima, Peru

Franklin Cordova-Buiza  
Research, Innovation and Social Responsibility Department  
Universidad Privada del Norte  
Lima, Peru

**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

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

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**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  
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 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  
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Melina  
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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**

Kholid 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  
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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 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 Politecnica  
Universidad Nacional de Asunción  
Asunción, Paraguay

**12:00 – 1:45 pm, MONDAY**

**Competitions**

**Room 2**

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

**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

Facens University  
Sorocaba, São Paulo, Brazil

### 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

Vivian 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**

Session Chair:

**12:00 – 1:45 pm, MONDAY**

**IoT**

**Room 4**

Session Chair: Rico Wijaya

#### 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

**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

Gopiseti 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 Mejjaoui  
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 Ingeniería  
Universidad Nacional de Asuncion  
Asuncion, Paraguay

Jorge Kurita  
Research Professor  
Universidad Nacional de Asuncion  
Asuncion, Paraguay

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

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

Session Chair: Prof. Don Reimer, IEOM Society International

**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 Haydeé Díaz-Garay  
Research Professors  
Universidad de Lima  
Lima, Peru

**ID 429 Thermal Vacuum Chamber Structure Design for a 1U CubeSats**

Esteban Acosta Mellid  
Undergraduated Student  
Facultad de Ingeniería  
Universidad Nacional de Asuncion  
Asunción, Paraguay

Jorge Kurita  
Research Professor  
Facultad de Ingeniería  
Universidad Nacional de Asunción  
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

**2:00 – 3:45 pm, MONDAY****High School STEM Competition****Room 3**

Session Chair: Prof. Dr. Henrique Ewbank, Department of Production Engineering, FACENS University, Sorocaba, Sao Paulo, Brazil

**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 Tecnológico 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 Noufail  
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**

Ovidio 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

Mechanical Engineering Department  
Universidad del Cono Sur de las Américas  
Asuncion, Paraguay

Matias Sanchez  
Electronics Engineering Department  
Universidad Politécnica y Artística del Paraguay  
Asunción, PARAGUAY

**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 Asuncion  
Asuncion, Paraguay

Jorge Kurita  
Research Professor  
Facultad de Ingeniería  
Universidad Nacional de Asuncion  
Asuncion, 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

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

Jorge Molina  
Universidad 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, 1Civil 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)**

Ferric 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

Gopiseti 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

Gopiseti 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 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 Sriwarno

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 Ardiansyah, Dion Lamilga Sudiono Putra, Jsven Septian Kristanto, 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 Carollina  
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 Carollina  
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 Kristamtomo Putra, and Riefky Prabowo  
Entrepreneurship Department, BINUS Business School Undergraduate Program  
Bina Nusantara University  
Jakarta 11480, Indonesia

Donna Carollina  
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 Setiyati

**ID 188 Entrepreneurship Education at University: Business as a Coursework or Continued after Graduation**

Puji Prabowo<sup>1</sup>, Santika Syaravina<sup>2</sup>  
<sup>1,2</sup>Entrepreneurship 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**

Josehp 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  
DiploCientifica  
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 Sudjarmoko, Leo Andri Yulius Caesar, Samuel Yohan Gumuljo 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**

Siti Chadijah, Fauzia Latif, Reno Fanthi  
Interior Design Department, School of Design  
Bina Nusantara University, Jakarta  
Indonesia

**ID 194 Analysis of Determining Offshore Worker Schedules in PHE ONWJ Work Area During COVID-19 Pandemic**

Tegar Jaya Saka Buana<sup>1</sup>, Adithya Sudiarno<sup>2</sup>

<sup>1</sup>Master's Student of Sekolah Interdisiplin Manajemen Teknologi  
<sup>2</sup>Lecturer of Sepuluh Nopember Institute of Technology  
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**

Henri 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 Tecnológico Comfenalco  
Cartagena de Indias, Colombia

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

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

**ID 363 Redesign of a Workstation in The Cutting Area of a Company in The Textile Industry to Increase Productivity**

Midori Lara Arana  
Universidad of Lima

Allison Vivar Guillen  
Universidad of 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

Nofirza, Anwardi, Harpito, Muhammad Rizki, Nazaruddin  
 Assistant Professor Industrial Engineering  
 Departement at Sultan Syarif Kasim State Islamic University  
 Indonesia

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## July 19 (TUESDAY) - Session: 8:00 – 9:45 am

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**8:00 – 9:45 am, TUESDAY****Plenary I****Room 1**

Session Chair: Prof. Anicia Peters

8:00 – 8:30 am (Tuesday, July 19)

Prof. Anicia Peters  
 Chairperson: Namibia 4IR Presidential Task Force  
 Pro-VC: Research, Innovation & Development  
 University of Namibia  
 Windhoek, Khomas, Namibia

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

9:00 – 9:30 am (Tuesday, July 19)

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

**8:00 – 9:45 am, TUESDAY****Global Engineering Education I****Room 2**

Session Chair: Prof. Vitor Mendes Caldana

2:00 – 3:30 pm (Tuesday, July 19)

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

2:30 – 3:00 pm (Tuesday, July 19)

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

3:00 am – 3:30 pm (Tuesday, July 19)

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

**8:00 – 9:45 am, TUESDAY****Data Analytics****Room 3**

Session Chair: Ismu Kusumanto

**ID 90 Upstream Oil and Gas Projects Sustainability Framework Through the Lenses of Big Data Analytics, and Project Management**  
 Wihaga Satya Khresna<sup>1</sup>, Harjanto Prabowo<sup>2</sup>, Mohammad Hamsal<sup>3</sup>, Boto Simatupang<sup>4</sup>  
 Management Department, BINUS Business School Doctor of Research in Management, Bina Nusantara University, Jakarta, Indonesia 11480

**ID 114 Market Basket Analysis in Polymers Industry: Power BI Case**

Ammar Y. ALQAHTANI  
 King Abdulaziz University, Department of Industrial Engineering, Faculty of Engineering,  
 P.O. Box 80204, Jeddah, 21589 SAUDI ARABIA

**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 Atmaja, Victor Adiluhung Abednego, Donna Carollina

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 Carollina

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 Carollina

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. María 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, BINUS Business School Undergraduate Program,

Bina Nusantara University,

Jakarta, Indonesia 11480

Elidjen

Management Department, BINUS 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

Bina Nusantara University  
Jakarta, Indonesia 11480

Michellin  
Accounting Department, School of Accounting  
Bina Nusantara University  
Jakarta, Indonesia 11480

Ignatius Edward Riantono  
Accounting Department, School of Accounting  
Bina Nusantara University  
Jakarta, Indonesia 11480

**ID 267 Machine learning and customer behavior in e-commerce**

Hugo Eladio Chumpitaz-Caycho, Ericka Nelly Espinoza-Gamboa, Franklin Cordova-Buiza  
Universidad Privada del Norte, Lima, Peru

**ID 3 Reducing Imposter Detection Time of Web Applications Using Continuous Authentication**

H.P.N. Hettiarachchi, B. Jayawardena and K. Wijayasiriwardhane  
Department of Industrial Management,  
Faculty of Science, University of Kelaniya,  
Sri Lanka

**ID 39 Reducing Imposter Detection Time of Web Applications Using Continuous Authentication**

H.P.N. Hettiarachchi  
Department of Industrial Management,  
Faculty of Science, University of Kelaniya,  
Sri Lanka

**ID 457 Effects of Training on Employee Performance Study on Employee's of PT Anindya Mitra Internasional**

Risky Sandhitya, Romat Saragih  
School of Communication and Business Telkom University

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## July 19 (TUESDAY) - Session: 10:00 am – 1:00 pm - Room 1

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### 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

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

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2:00 – 3:45 pm, TUESDAY

Electromobility Panel

Room 1

### 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

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

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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

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

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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**

Sofía Vierci Codasa, Facultad de Ingeniería. Universidad Nacional de Asunción. San Lorenzo, 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

Pandit Deendayal Energy University,  
Gandhinagar, Gujarat, INDIA

M. B. Kiran  
Pandit Deendayal Energy University,  
Gandhinagar, Gujarat, INDIA

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

Facultad de Ingeniería - Universidad Nacional de Asunción

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

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

Hassine Mostafa  
Professor  
Interdisciplinary Laboratory of Research and Applications in Management " LIRAM ".  
National School of Business and Management of Oujda, Morocco

**2:00 – 3:45 pm, TUESDAY**

**Room 4**

Session Chair:

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

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**4:00 – 5:45 pm, TUESDAY**

**Women in Industry and Academia Panel**

**Room 1**

Panel Chair

Dr. Ximena Córdova Vallejo  
Profesora

Colegio de Ciencias e Ingenierías, Politécnico  
Universidad San Francisco de Quito  
Ecuador

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  
Departement at Sultan Syarif Kasim State Islamic University  
Indonesia

Muhammad Rizki  
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

Melfa Yola  
Assistant Professor Industrial Engineering

Departement at Sultan Syarif Kasim State Islamic University  
Indonesia

Fitra Lestari  
Associated 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

**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

**ID 460 China Digital Silk Road & The Deployment of 5G Infrastructure in ASEAN**

Farisa Nabila Meutia  
Undergraduate Student  
Binus University  
Jakarta, Indonesia

Mutiara Indriani  
Lecturer & Researcher  
Binus University  
Jakarta, Indonesia

**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 Silva<sup>1</sup>  
Geisa Meirelles Drumond<sup>2</sup>  
Marcelo Jasmim Meiriño<sup>3</sup>  
Mirian Picinini Méxas<sup>4</sup>  
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 31 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 Villarreal-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 Rodriguez Vignon, Carlos Alejandro Díaz Schery, Rodrigo Goyannes Gusmão 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 Carollina  
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

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 Efecto 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 Hutahaeen, 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

Juancarlos 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

Universitas Islam Negeri Sultan Syarif Kasim Riau

Misra Hartati

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 Widyanoro

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  
Departement at Sultan Syarif Kasim State Islamic University  
Indonesia

**6:00 – 7:45 am, WEDNESDAY****Operations Managment****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 Tjoa<sup>1</sup>, Mohammad Hamsal<sup>2</sup>, Asnan Furinto<sup>3</sup>, Rano Kartono<sup>4</sup>  
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 5 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, Binus 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 Inthalasari<sup>1</sup>, Muhtosim Arief<sup>2</sup>  
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

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### 8:00 – 9:45 am, WEDNESDAY

### Plenary III

### Room 1

Session Chair: Victoria Canela

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

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

### 8:00 – 9:45 am, WEDNESDAY

### Industry Solutions I

### Room 2

Session Chair:

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

## 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, Riyan Sisiawan 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

**ID 28 Validation and Development Strategy for Fashion Business: An Action Research Study on Euvoria**

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

**ID410 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, Martín Collao-Díaz, Juan Carlos Quiroz-Flores and Alberto Flores-Perez  
Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima, Perú

**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 Febriantono 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-Bernabe  
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 Pramesti  
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**

**Room 5**

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 Taquíá 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

**ID 227 Effect of Current Ratio, Capital Structure, and ROE on Company Value with Company Size as Moderating Variable in Consumer Goods Sector Companies Listed in Indonesia Stock Exchange (2015-2017)**

Enisa Priliani Alamsyah  
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**

Diyanah Fadhillah, Romat Saragih  
School of Communication and Business Telkom University

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

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### **Keynote Speakers – Room 1**

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**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 Biotecnología Agrícola (INBIO), Asuncion Paraguay

**1:00 – 2:00 pm – Lunch Break**

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**July 20 (WEDNESDAY) - Session: 2:00 – 3:45 pm**

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**2:00 – 3:45, WEDNESDAY****Room 1**

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**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

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**July 20 (WEDNESDAY) - Session: 4:00 – 5:45 pm**

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**4:00 – 5:45, WEDNESDAY****Room 1****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 Tecnológico 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

**4:00 – 5:45, WEDNESDAY****Global Business Management Education I****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  
(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.

Professor of Technology Management  
Department of Production and Operations Management  
Faculty of Technology Management and Business  
Universiti Tun Hussein Onn Malaysia

## 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 Carollina  
Visual Communication Design Department, School of Design  
Bina Nusantara University  
Jakarta 11480, Indonesia

Raden Aditya Kristamtomo 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 Carollina  
Visual Communication Design Department, School of Design  
Bina Nusantara University  
Jakarta 11480, Indonesia

Raden Aditya Kristamtomo Putra  
Entrepreneurship Department, BINUS Business School Undergraduate Program  
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 Carollina  
Visual Communication Design Department, School of Design  
Bina Nusantara University  
Jakarta 11480, Indonesia

Raden Aditya Kristamtomo Putra  
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 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 Carollina  
Visual Communication Design Department, School of Design  
Bina Nusantara University  
Jakarta 11480, Indonesia

Raden Aditya Kristamtomo Putra  
Entrepreneurship Department, BINUS Business School Undergraduate Program  
Bina Nusantara University  
Jakarta 11480, Indonesia

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 Rafii 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

Rosa Nathaly Lay de León  
Industrial Engineering Program and DlySST 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  
Posgraduate 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**  
Alisson 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, Rajamanggala 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

Department of Business Administration  
Telkom University  
Bandung, 40257, Indonesia

Aditya Wardhana  
Department of Business Administration  
Telkom University  
Bandung, 40257, Indonesia

Budi Rustandi Kartawinata  
Department of Business Administration  
Telkom University  
Bandung, 40257, Indonesia

Mahir Pradana  
Department of Business Administration  
Telkom University  
Bandung, 40257, Indonesia

Dian Gita Utami  
Department of Business Administration  
Politeknik Negeri Ujung Pandang  
Makassar, Indonesia

**ID 372 Factors that Determine the Use of Online Food Delivery**

Puji Prabowo and Imanda Dea Sabiella  
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 Devianti, 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  
Widya Mataram 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) – Matao 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 Braidotti 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 Tunggal 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 Comparision of Location Decision in Firm Operational for Manufacturing and Non-Manufacturing Industries (Delphi Method): A Systematic Literature Review**

Elgar Arsyah 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 Dwi 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 Manabí

Carlos Alberto Flecha-López  
Carrera de Ingeniería Industrial, Universidad Técnica de Manabí

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  
Posgraduate 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 Rashed Nicole  
Facultad de Ingeniería y Arquitectura  
Carrera de Ingeniería Industrial  
Universidad de Lima  
Lima, Peru

Garcia-Lopez 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 Arsyian 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

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### 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, Masqat, Oman

Speaker III - 9:00 - 9:30 am

Dr. Ferdoush Saleheen FCILT

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  
Asistant 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**

Erlina Dwi Ratna Sari, Diena Dwidienawati, Muhammad Gianluca Hafidz Fadhillah  
Management Department, BINUS 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 pthere 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 Yuhanidza 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 Muttaqin, 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, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

Nazaria Jotur Siregar  
Entrepreneurship Department, BINUS 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  
Telkom University  
Indonesia

**ID 458 The Design of Sustainable Lifestyle Application User Interface Using Design Thinking Approach**

Evi Margaretha, Maya Arlini Puspita, Amalia Suzianti  
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 Nadlifatin  
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 Alegría 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 Commucation 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 Communcation 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

Esthefany Lizeth Orellana-Treviños, Maria Jose Perez-Iglesias, Angela Gianella Contreras-Carassa, Heber Luis Olavarria-Benavides  
Business faculty  
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 Armillas, María del Rocío 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 Aguir Fortuna  
Communication Science Department, Faculty of Digital Communication and Hotel & Tourism Bina Nusantara University  
Jakarta, Indonesia

Rosilawati Sultan Mohideen and Ilya Yasnoriza Ilyas  
Faculty of Communication and Media Studies  
Universiti Teknologi MARA  
Cawangan Melaka, Malaysia

**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

Paulina Kenelak  
College Student, 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

Yohan Kurniawan  
Faculty of Language Studies and Human Development  
Universiti Malaysia Kelantan  
Bachok, Kelantan, Malaysia

Rizqi Putri Nourma Budiarti, Riyan Sisawan Putra, Hidayatul Khusnah, Mohamad Rijal Iskandar Zhulqurnain, and Agung Firmansyah  
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

Candraningrat  
Dinamika 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 Isynewardhana, 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

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**July 21 (THURSDAY) - Session: 10:00 am – 1:00 pm**

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**Keynote Speakers – Room 1**

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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

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**1:30 – 2:00 pm – Lunch Break (Provided)**

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**July 21 (THURSDAY) - Session: 2:00 – 3:45 pm**

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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

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**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

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### July 21 (THURSDAY) - Session: 4:00 – 5:45 pm

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**4:00 – 5:45, THURSDAY**

**GSCM Panel**

**Room 1**

Panel Chair

Panel Speaker I

Panel Speaker II

Panel Speaker III

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**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

College of Physics and Engineering  
Southern Arkansas University  
USA

Speaker III – 4:40 – 5:00 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

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

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

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

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## **July 21 (THURSDAY) - Session: 7:00 – 10:00 pm**

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# **Conference Virtual Awards Dinner**

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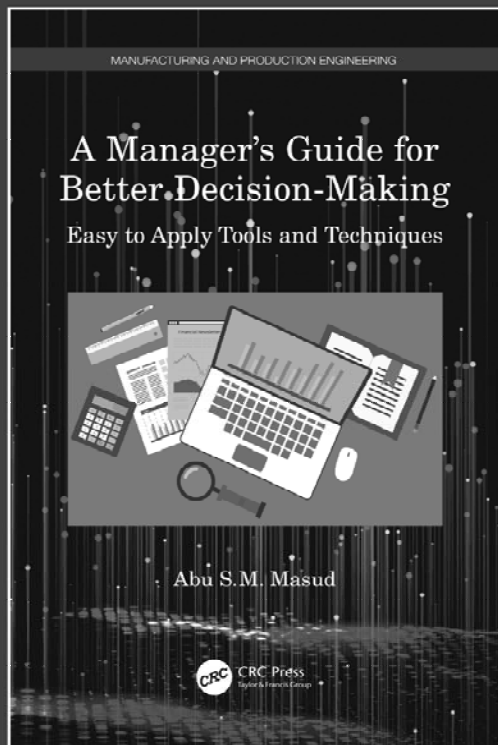
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## 7<sup>th</sup> North American IEOM Conference, Orlando, USA, June 11-14, 2022

Venue: Holiday Inn & Suites Across from Universal Orlando. Host: Florida Polytechnic University



**8<sup>th</sup> North American Conference on  
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Operations Management**  
**Houston, Texas, USA, June 13-15, 2023**  
**Host: Texas A&M Engineering Experiment Station  
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<b>Brazil</b>	<b>Iraq</b>	147. King Fahd University of Petroleum and Minerals (KFUPM)
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59. Jawaharlal Nehru Technological University Hyderabad (JNTUH)	121. Mehran University of Engineering and Technology, Jamshoro, Sindh	185. HIT
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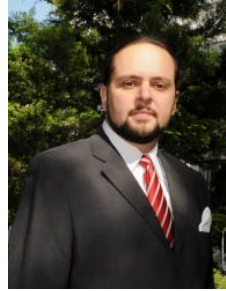
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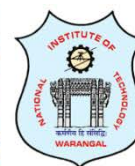


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Professor, School of Engineering and Technology  
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# Upcoming Events



**2<sup>nd</sup> Indian Conference on Industrial Engineering and Operations Management**  
**August 16-18, 2022, Warangal, India**  
**Hosts:** NIT, Warangal and JNTU, Hyderabad



**3<sup>rd</sup> 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



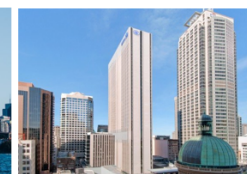
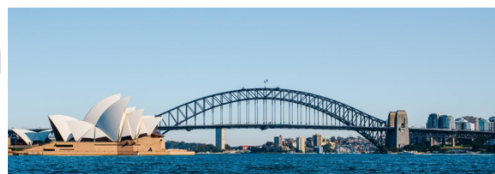
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**First Australian Conference on Industrial Engineering and Operations Management**  
 Sydney, Australia, December 20-22, 2022  
**Venue:** Hilton Sydney, NSW, Australia



**5<sup>th</sup> International Conference on Industrial and Mechanical Engineering and Operations Management™ (IMEOM)**  
**Dhaka, Bangladesh, December 26-27, 2022**  
**Venue:** Krishibid Institution Bangladesh Complex, Farmgate, Dhaka



**13<sup>th</sup> Annual International Conference on Industrial Engineering and Operations Management**  
**March 7-9, 2023, Manila, Philippines**  
**Venue:** Hilton Manila, **Host:** De La Salle University



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