



2026 IEOM World Congress on
Industrial Engineering and Operations Management
Advanced Manufacturing and Industrial AI Innovation
Irvine, California, USA, October 13-15, 2026

Host: FUTEK Advanced Sensor Technology, Inc., Irvine, California

Venue: Courtyard by Marriott Irvine Spectrum

Conference Chair: Mr. Javad Mokhbery, CEO and President, FUTEK Advanced Sensor Technology, Inc., Irvine, California, USA

IEOM Advanced Manufacturing Industry Leadership Award

Mr. Javad Mokhbery
CEO and President
FUTEK Advanced Sensor Technology, Inc.
Irvine, California

Distinguished Engineering Education Leadership Award

Dr. Maj Dean Mirmirani
Interim Dean
Russ College of Engineering and Technology
Ohio University
Athens, Ohio, USA

IEOM Distinguished Professor Award

Dr. Ali E. Abbas
Professor of Industrial and Systems Engineering
University of Southern California, USA

Distinguished Engineering Educator Award

Dr. Shokoufeh Mirzaei
Chair & Professor, Department of Industrial and Manufacturing, College of Engineering
California State Polytechnic University, Pomona, USA

IEOM Technology & Engineering Education Leadership Award

Dr. Rupa Purasinghe
Chair, Department of Technology
College of Engineering, Computer Science, and Technology
California State University at Los Angeles, USA

Outstanding Professor in Supply Chain Management Award

Professor Jessica Robinson
Professor of Supply Chain Management
California State University, Long Beach (CSULB), USA

Outstanding Professor Award in Engineering Innovation

Dr. Peter J. Burke
Professor, Electrical Engineering and Computer Science Professor, Biomedical Engineering
The Henry Samueli School of Engineering University of California, Irvine
Irvine, California, USA

Outstanding Professor in Industry 4.0 Award

Dr. Mohammad Al Faruque
Director, Center for Resilient Autonomous Systems Professor, Electrical Engineering and Computer Science Professor (Joint Appointment), ME & Aerospace Engineering University of California, Irvine

Distinguished Professor Award

Professor Yisong Yue
Professor of Computing and Mathematical Sciences
California Institute of Technology

Distinguished Professor Award in Supply Chain Management

Professor Elodie Adida Goodman
Logistics Team Presidential Chair in Supply Chain Management Professor of Operations & Supply Chain Management
A. Gary Anderson Graduate School of Management, UC Riverside

Distinguished Professor Award

Professor Phillip Christopher
Professor and Vice Chair, Chemical Engineering Mellichamp Cluster Chair, Sustainable Manufacturing University of California, Santa Barbara

Distinguished Educator Award

Professor Sungbum (John) Kang, Ph.D. Associate Professor, Mechanical Engineering Director: Manufacturing Intelligence Lab (MIL) San Diego State University, USA

Distinguished Educator Award

Professor John H. Park
Associate Professor of Decision Science Seaver College, Pepperdine University, USA

Outstanding Professor Award

Xiaochun Li
Raytheon Company Chair in Manufacturing Engineering and Professor of Mechanical and Aerospace Engineering
UCLA Samueli School of Engineering University of California, Los Angeles (UCLA)

IEOM Manufacturing Innovation Award

Richard Walker
Technical Director and Operations FUTEK Advanced Sensor Technology, Inc.
Orange County, California, USA

IEOM Quality & Reliability Best Practice Award

Thomas Bowles, MSEE, CQE, CQA
Director of Quality Assurance FUTEK Advanced Sensor Technology, Inc.
Orange County, California, USA

IEOM Best Quality Assurance Practice Award

Maria SanFilippo
Quality Assurance Manager FUTEK Advanced Sensor Technology, Inc.
Orange County, California, USA

Engineering Innovation Leadership Award

Andy Zhou
Founder, Defense Technology Engineer Irvine, California, USA

IEOM Business Analytics & Information Systems Innovation Award

Dr. Sina Zare
Assistant Professor, Information Systems and Business Analytics, College of Business Administration
Loyola Marymount University Los Angeles County, California, USA

IEOM Emerging Industrial Engineering Educator Award

Dr. Hayder Zghair
Associate Professor of Industrial Engineering Director of the STEM Center
Southern Arkansas University (SAU), USA

IEOM Data Analytics & Statistical Methods Award

Dr. Henrique Ewbank
Clinical Assistant Professor, Data Analytics & Statistics
Anuradha and Vikas Sinha College of Artificial Intelligence and Advanced Analytics
University of North Texas, USA

Quality and Innovation Award

Gopal Mohanty, PhD
Assistant Professor
Department of Regulatory and Quality Sciences University of Southern California

IEOM Manufacturing Leadership Award

Steve Harrington
Senior Advisor and Workforce Development Strategist Manufacturing Skill Standards Council
Simi Valley, California, USA

Outstanding Woman in Industry and Academia Award

Dr. Yasaman Ghasemi
Department of Information Systems and Business Analytics Loyola Marymount University
Los Angeles, California

IEOM Outstanding Teaching Award

Dr. Ahmad R. Sarfaraz
Professor, Manufacturing Systems Engineering and Management Dept.
College of Engineering and Computer Science California State University, Northridge, CA, USA

Innovation Award

Fidel Gutierrez Ochoa
Founder & Independent Inventor
Emvidias Industries, LLC, USA

Outstanding Industry Award

Livia Silveira Bezerra de Menezes
Engineering Project Manager
Efficient Plant Inc., USA

Emerging Researcher Award

Priyanka Malla
Information Technology Project Manager
Foundation Building Materials
Santa Ana, California, USA

IEOM Industry Best Practice Award

Vignesh Jairaj
Supply Chain Strategy Leader
Asahi Kasei Plastics North America
Okemos, Michigan, USA

Industry 4.0 Award

Edgar Marco Aurelio Granda Gutiérrez
Director, Division of Engineering
Universidad Anáhuac Querétaro Querétaro, Mexico

IEOM Best Practice Award

Dr. Jesus Vazquez Hernandez
Professor, Consultant, Researcher; Learning Facilitator / Program Leader
Tecnologico de Monterrey / UANL / MIT Professional Education/Advanced Value Chain Institute, Mexico

IEOM Global Manufacturing Award

Krunal Patel
Sr. Technical Program Manager Applied Materials
Sunnyvale, California, USA

Emerging Researcher Award

Lu Xu Data Scientist Fast Retailing
New York, United States

IEOM Rising Star Award

Ankit Gupta, Ph.D.
Assistant Professor
Department of Technology, College of Engineering, Computer Science, and Technology
California State University, Los Angeles

Outstanding Teaching and Learning Award

Dr. Alireza Kavianpour
Ph.D., Electrical Engineering, USC, CA, USA Senior Professor, DeVry University, CA, USA Adjunct Professor, UCI, CA, USA

IEOM Outstanding Faculty Award

Professor Candace Yano
Distinguished Professor, Industrial Engineering & Operations Research
UC Berkeley Haas School of Business, USA

IEOM Technology Management Education Award

Dr. M. Affan Badar
Professor, Director of the Consortium-based PhD in Technology Management Program
Bailey College of Engineering & Technology Indiana State University (ISU), USA

IEOM Industrial Technology Education Award

Dr. Arun N. Nambiar
Professor and Chair Department of Industrial Technology
California State University-Fresno, USA

IEOM Industry–University Collaboration Award

Dr. Leonard Perry
Associate Professor, Industrial and Systems Engineering and Director of Industry Partner Program
University of San Diego, San Diego, California, USA

IEOM Advanced Manufacturing Research Award

Dr. Mohamed Awwad
Associate Professor
Department of Industrial and Manufacturing Engineering
California Polytechnic State University, San Luis Obispo, California, USA

Outstanding Student Award

Quinn Medak
B.S. Undergraduate Information Systems and Business Analytics
College of Business Administration Loyola Marymount University

Hao Vu
Graduate Student, M.S. in Industrial Management
California State University, Los Angeles

Competition Winners

Undergraduate Student Paper Competition sponsored by Siemens

First Place

ID 25 Edge AI Vision Model for Catheter Shaft Inspection
Rafael M. Chavez, Neha Dossani and Jiaxin (Roger) Jiao, George W. Woodruff School of Mechanical Engineering, Georgia Institute of Technology, Atlanta, Georgia, USA

Second Place

ID 20 Design and Development of a Sales, Inventory, and Operations Planning Decision-Support Application for Craft Breweries
Saaniika Gupta Medishetty, Helene Johnson, Jill Speece and Mohamed Awwad, California Polytechnic State University, San Luis Obispo, California, USA

Third Place

ID 17 Beyond True or False: A Comparative Evaluation of Large Language Models for Credibility and Misinformation Assessment
Thomas Jewett, Charles Kealey, Arya Pehlivanoglu, Justin Sweet, Joseph Hubner, Alan Sebastian and Puneet Agarwal, Industrial & Manufacturing Engineering Department, California Polytechnic State University, San Luis Obispo, California, USA

High School STEM Competition I

First Place

ID 287 Sex Differences in Health, Behavioral, and Socioeconomic Factors Associated With Depressive Symptoms Among Korean Adolescents: A Cross-Sectional Analysis of the 2025 Korea Youth Risk Behavior Survey Hyeonji Yoo, Palos Verdes Peninsula High School, Rolling Hills Estates, California, USA

Second Place

ID 286 Predictive Modeling of Patient Health and Cellular Outcomes Using Cell Size
William Lu, Independent, Taiwan

Third Place

ID 3 Bacterial Cellulose Based Scaffolds for Controlled Oxygen Delivery in Low-Resource Regions
Aarna Dwivedi and Goutham Koppolu, Independent, TX, USA

Graduate Student Paper Competition sponsored by Eaton I

First Place

ID 259 Machine Learning for Operational Decision Support: Predicting Unsafe Air Quality Events in California
Bhavna Sreekumar and Christopher Strouse, M.S. in Business Analytics, College of Business Administration, Loyola Marymount University, Los Angeles, California, USA
Sarkis Shil-Gevorkyan, M.S. in Computer Science, Seaver College of Science and Engineering, Loyola Marymount University, Los Angeles, California, USA

Undergraduate Research Competition sponsored by Daikin Applied

First Place

ID 18 An Analytical Framework for Baseball Pitcher Deception: Applications in Coaching and Player Development
Nolan Nicassio and Puneet Agarwal, Department of Industrial and Manufacturing Engineering, California Polytechnic State University, San Luis Obispo, San Luis Obispo, CA 93407, USA

Senior Design Project Competition

First Place

ID 288 Design, Analysis, Additive Manufacturing, and Testing of a Lightweight Fixed-Wing Aircraft
Derrick Lopez, Kathya Nava, Justin McDonough, Luke Qian, Oscar Ornelas, Ankit Gupta, Rupa Purasinghe, and Michael Thorburn, College of Engineering, Computer Science, and Technology, California State University, Los Angeles, Los Angeles, CA, USA

Doctoral Dissertation Competition sponsored by Airbus

First Place

ID 106 Does Utilizing Supply Chain Finance Influence Firm Performance? An Empirical Study Across Four Industries
Ershen Ali, Loyola Marymount University, College of Business, Los Angeles, CA, USA
Sina Zare, Department of Information Systems and Business Analytics, College of Business, Loyola Marymount University, Los Angeles, CA, USA

Second Place

ID 62 Determining Company Performance and Assessing Growth Trajectories in the Context of Comparative Superiority
Ramazan Topdemir, PhD, Institute of Science, Department of Industrial Engineering, Kocaeli University, 41001 Kocaeli, Türkiye
Gülşen Akman, Engineering Faculty, Department of Industrial Engineering, Kocaeli University, 41001 Kocaeli, Türkiye

Poster Competition I

First Place

ID 151 Mixed Integer Linear Programming Transshipment Network Flow Model with Integrated Risk Sensitivity for the U.S. Manganese Supply Chain
Hasan Atiq Syed, Graduate Research Assistant, Industrial & Manufacturing Systems Engineering, Carl R. Ice College of Engineering, Kansas State University, Manhattan, KS 66506, USA
Saurav Kumar Dubey, Associate Teaching Professor at Industrial & Manufacturing Systems Engineering, Carl R. Ice College of Engineering, Kansas State University, Manhattan, KS 66506, USA

Second Place

ID 16 Improving Loading and Unloading Operations at a Food Industry Distribution Center Using Time Studies and Monte Carlo Simulation
Carolina Solís-Peña and Juan Manuel Hernández-Ramos, Faculty of Chemical Sciences, Department of Industrial Engineering with minor in Management, Universidad Autónoma de Nuevo León, San Nicolas de los Garza, Nuevo León
German Rodríguez Barroso, Faculty of Mechanical and Electrical Engineering, Universidad Autónoma de Nuevo León, San Nicolas de los Garza, Nuevo León

Third Place

ID 153 The Organizational Architecture of AI Accountability: Board Oversight, Operational Responsibility, and Control

Eunseong Lee and Eunmyung Lee, Business Administration Cypress College, Cypress, CA 90630, USA

Poster Competition II

First Place

ID 159 AI-Assisted Six Sigma Define-Measure-Analyze-Experiments Under Incomplete Manufacturing Information: Development and Validation of a Decision-Support Methodology in Manufacturing
Duc Hao Vu, Rupa Purasinghe, Ph.D., P.E., and Gopal P. Mohanty, Ph.D., Department of Technology, College of Engineering, Computer Science, and Technology, California State University, Los Angeles, California, USA

Second Place

ID 35 Empirical Evaluation of the Analytic Hierarchy Process (AHP) Using Large Language Models (LLMs): A Study of Consistency and Structural Bias
Leonardo Hernandez, Carolina Solís – Peña, Azucena Minerva García-Leon and Jhonathan Cuellar- Celestino, Department of Industrial Engineering, Universidad Autónoma de Nuevo León, Mexico

Third Place

ID 31 Discrete Event Simulation of Emergency Movement Permitting During Foot-and-Mouth Disease Outbreaks
Bihter Ozhan Zaidi and Jessica L. Heier Stamm, Industrial & Manufacturing Systems Engineering, Carl R. Ice College of Engineering, Kansas State University, Manhattan, KS 66506, USA
MaRyka R. Smith and Michael W. Sanderson, Center for Outcomes Research & Epidemiology, Diagnostic Medicine & Pathobiology, College of Veterinary Medicine, Kansas State University, Manhattan, KS 66506, USA

Fourth Place

ID 32 Robotic Welding in Industry
Cyrus Christensen, CSU Fresno, CA, United States

High School STEM Competition II

First Place

ID 139 Accessible Mountain Biking: A Hybrid Multi-Criteria Decision Analysis Framework
Harrison Lindabury, BASIS Independent Brooklyn, Brooklyn, New York, USA

Second Place

ID 26 Reference-Based Human Pose Comparison for AI-Driven Movement Training
Yicheng Amber Shi, Willow Wood Junior High School, Tomball, TX 77377, USA
Harry Zhang, Rice Middle School, Plano, TX 75093, USA
Dylan Liu, Design 39 Campus, San Diego, CA 92127, USA

Second Place

ID 33 BackOnTrack: An Accessible AI-Driven Solution for Posture Awareness and Improvement
Yicheng Amber Shi, Willow Wood Junior High School, TX, United States
Dylan Liu, Design 39 Campus, TX, United States
Harry Zhang, Rice Middle School, TX, United States

Third Place

ID 37 Ocean Voyager: An Affordable Autonomous Surface Vehicle for Early Marine Debris Monitoring
Advaith Rajagopalan, BASIS Independent Silicon Valley, San Jose, California, USA

High School STEM Competition III

First Place

ID 221 Eigenvalue-Decomposition Denoising as an Alternative to Predict-then-Optimize

IEOM Society Awards – 3rd IEOM World Congress, Irvine, California, USA, October 13-15, 2026

Henry Aldridge-Krawciw, Student, Regis High School, New York, NY 10028, USA
Irene Aldridge, Visiting Lecturer, Cornell Tech, New York, NY 10044, USA

Second Place

ID 149 Design and Development of a Low-Cost Assistive Drumming Device for Amputee Musicians
Jeshan Joshua Sagaidev Shelesh, Orchard Park Secondary School, Stoney Creek, Ontario, Canada

Third Place

ID 212 PlanSmarter: An AI Study Planner Powered by Performance Scores
Dylan Liu, Design 39 Campus, San Diego, CA 92127, USA

Third Place

ID 215 From Barriers to Bridges: Scholar Boost-A Tech-Driven Approach to Fund Education
Makshoof Kamal Jilani, 10th Grade, UTech Educational System, Karachi, Pakistan
Muhammad S. Ahmed, GameAbove College of Engineering & Technology, Eastern Michigan University, Ypsilanti, MI 48197, USA

Master's Thesis Competition

First Place

ID 331 Reproducible Deep Q-Learning for Autonomous Mobile Robot Navigation in Randomized Grid Environments: A NumPy-Based Study of Shortest-Path Reward Shaping
Joaquin Gerardo Zenteno Garcia, Student of MS in AI, Department of Electrical and Computer Engineering, College of Engineering, Lawrence Technological University, Southfield, MI 48075, USA
George Pappas, MSAI Graduate Program Director, Lawrence Technological University, Southfield, MI 48075, USA

Undergraduate Student Paper Competition sponsored by Siemens

First Place

ID 148 Prediction-Informed Yard Planning: A Case Study of a German Container Terminal
Kelly Gorman, Undergraduate Student, Case School of Engineering & College of Arts and Sciences, Case Western Reserve University, Ohio, USA
Rachel Black, Undergraduate Student, Department of Mathematics & Computer Science, Drury University, Missouri, USA
Hasini Balasuriya, Doctoral Student, Department of Industrial & Systems Engineering, University of Louisville, Kentucky, USA
Kai Brüssau, Lecturer and Researcher, Institute of Information Systems, University of Hamburg Business School, Hamburg, Germany
Robert Stahlbock, Lecturer and Researcher, Institute of Information Systems, University of Hamburg Business School, Hamburg, Germany
FOM University of Applied Sciences, Essen/Hamburg, Germany
Nordakademie University of Applied Sciences, Elmshorn, Germany

Second Place

ID 289 The Tail Latency Paradox: CPU Affinity and Scheduling under Host CPU Saturation
Tsun Wa Yiu, The Hong Kong Polytechnic University, Hong Kong

Graduate Student Paper Competition sponsored by Eaton Corporation II

First Place

ID 185 AI-Enabled Quality Intelligence for Traction-Motor Manufacturing: A Framework for Predictive Quality, Explainable AI, and Manufacturing Performance
Kartik Sahay, PhD Student and M. Affan Badar, Professor, Bailey College of Engineering and Technology, Indiana State University, Terre Haute, Indiana 47809, USA

Second Place

ID 283 Review of the Reliability Challenges and Life Data Analysis of Air Preheaters in Power Generation Plants
Ditebogo E Mankga, Department of Mechanical Engineering Science, University of Johannesburg, South Africa

Motsi Matlakala, Department of Mechanical Engineering Science, University of Johannesburg, South Africa
Mahlatse Mphahlele, Mechanical & Mechatronic Engineering Department, Cape Peninsula University of Technology (Bellville Campus), Cape Town, South Africa

Third Place

ID 163 Operator-Conditioned Learning of Direct-Geometry Manipulations in a Synthetic Trial-and-Error Environment for Model Performance Experimentation

Francisco A. Fernandez De Castro Bobadilla Roger J. Jiao, Georgia Institute of Technology, USA

Best Track Papers

EV – Vehicle Electrification

ID 41 The Impact of Extreme Ambient Temperatures on Electric Vehicle Performance in the Kingdom of Saudi Arabia

Chen Duan, Kettering University, Flint, Michigan, USA Lama Bedywi, CEER Motors, Makkah, Saudi Arabia Haneen Aljuhani, CEER Motors, Makkah, Saudi Arabia

Smart Mobility

ID 190 Prioritizing Machine-Readable Lane Markings and Road-Weather Sensing for Connected and Automated Vehicles on Michigan I-94

Soujanya Pillala and Kasim Korkmaz, Construction Management, Game Above College of Engineering and Technology, Eastern Michigan University, Ypsilanti, Michigan, USA

Advanced Manufacturing

ID 40 Effects of Cutting Fluids and Tool Coating Materials on Tool–Workpiece Electrical Contact Resistance

Mitsuaki Murata, Professor, Department of Innovative Mechanical and Electrical Engineering, Kyushu Sangyo University, Higashi-ku, Fukuoka, Japan

Wenzheng Cao, Graduate School of Engineering, Department of Industrial Technology and Design, Kyushu Sangyo University, 2-3-1 Matsukadai, Higashi-ku, Fukuoka, Japan

Hinata Ikeda, Department of Mechanical Engineering, Faculty of Science and Engineering, Kyushu Sangyo University, 2-3-1

Matsukadai, Higashi-ku, Fukuoka, Japan

Ryotaro Matsumoto, Department of Mechanical Engineering, Faculty of Science and Engineering, Kyushu Sangyo University, 2-3-1 Matsukadai, Higashi-ku, Fukuoka, Japan

AI in Manufacturing and Automation

ID 10 Online Web-based Sewing Defects Detection by Deep Learning

Saiful Islam, Lecturer, Department of Textile Engineering, Atish Dipankar University of Science and Technology, Dhaka, Bangladesh

S M Rakifull Alam, GRA, Mississippi State University, USA

Farhana Momotaz, Assistant Professor, Mississippi State University, USA

Artificial Intelligence and Data Science

ID 85 Rolling-Window Deep Learning Models for Predicting Next-Month High-Risk Healthcare Utilization

Samira Salehi Heidari, Majed Al Jamrah and Yong Wang, School of Systems Science and Industrial Engineering, Binghamton University, State University of New York, Binghamton, New York, USA

Maria Kordit, Forward Leading IPA, Rochester, New York, USA

Automation, Robotics and Autonomous Systems

ID 183 Designing pMSRMF: A Pharmaceutical Extension of the Multi-Site Release Management Framework for Risk-Based Engineering Change Governance

Livia Silveira Bezerra de Menezes, Efficient Plant Inc. (EPI), Montréal, Quebec, Canada

Rogério Teixeira Mâsih, Department of Production Engineering, Center of Technology, Universidade Federal do Ceará, Fortaleza, Ceará, Brazil

Business Management and Operations Management

ID 160 5S Model and Inventory Management System for Improving Warehouse Service Levels in a Commercial Company in the Healthcare Sector

Debora Tamara Belleza-Carmelo, Facultad de Ingeniería, Universidad de Lima, Peru
Frankie Benjamin Marquina-Carmelo, Facultad de Ingeniería, Universidad de Lima, Peru

Elsie Violeta Bonilla-Pastor, Research Professor, Universidad de Lima, Peru

Engineering Education and Curriculum Improvement

ID 107 Metacognition as the Counterweight to AI Overreliance in Engineering Education and Practice

Jim R. Jones, PhD, CSM, Director, Engineering and Technology Management Program, Washington State University, Voiland College of Engineering and Architecture, Pullman, Washington, USA

Engineering Management and Project Management

ID 27 A Comparative Analysis of Psychological Barriers in Multigenerational Workplaces: Project Management Interventions in Japan, Thailand, and Vietnam

Taichi Ito, Department of Project Management, Faculty of Social Systems Science, Chiba Institute of Technology, Chiba, Japan
Tsutomu Konosu, Professor, Department of Digital Transformation, Faculty of Innovative Management Science, Chiba Institute of Technology, Japan

Entrepreneurship and Innovation

ID 132 The Adoption of Technology in Small and Medium-Sized Enterprises (SMEs): A Bibliometric Analysis

Boitumelo Naledi Mosia, Lumka Macuacua, Andiswa Zuma, Bakholwa Nompumelelo Mthombeni, Tebogo Eddie Mahlatini and Nelisiwe Mavundla

Students, Department of Business Management, School of Management, College of Business and Economics, University of Johannesburg, South Africa

Lawrence Seseni, Senior Lecturer, Department of Business Management, School of Management, College of Business and Economics, University of Johannesburg, Auckland Park, Johannesburg, South Africa

Human Factors, Ergonomics and Healthcare Systems

ID 109 Data-Driven Decision Support for Early Sepsis Prediction in Intensive Care: A Comparative Evaluation of Gradient Boosting and Deep Sequence Models

Diana Opiyo, Graduate Student, Department of Information Sciences and Technologies, College of Computing, Grand Valley State University, Allendale, MI, 49401, USA

Edna Ovuilly and Hayder Zghair, Departments of Computer Science and, Engineering, College of Science & Engineering, Southern Arkansas University, United States

Lean Six Sigma and Operations Excellence

ID 243 Reduction of Second-Quality Reporting Discrepancies through Standardized Defect Registration in Stainless Steel Processing

Angel Fernando Medina Araya, Industrial Engineering, Universidad Politécnica de San Luis Potosí, San Luis Potosí, México

Quality, Reliability and Maintenance

ID 241 Changeover, Not Wear: Sensorless Prediction of Severe Failures from Existing Production Records in Injection Molding

Boris Christian Herbas Torrico, Research Professor, Tecnológico de Monterrey, Guadalajara, Mexico

René Carlos Cabero Villazón, PhD Student, Tecnológico de Monterrey, Guadalajara, Mexico

Mariana Sánchez Larrea, Research Assistant, Bolivian Industrial Research and Development Group, Cochabamba, Bolivia

Simulation, Optimization and Productivity

ID 34 Utility Framework for Decision Analysis: AI vs. Human Generated STR Policies for the LA 2028 Olympics

Akileshwaran Eswaran, Master's Student, Daniel J. Epstein Department of Industrial and Systems Engineering, University of Southern California, Los Angeles, CA, United States

Supply Chain and Logistics

ID 262 Applying Retail Supply Chain Practices to Aggregate Procurement in Bulgarian Road Construction: An Optimisation Case Study

Mihaela Vladimirova, Faculty of Economics and Business Administration, Sofia University "St. Kliment Ohridski", Sofia, Bulgaria
Galia Nedeltcheva, Bulgarian Academy of Sciences, Institute of Information and Communication Technologies, Sofia, Bulgaria

Sustainability, Green Systems and Energy

ID 188 Reliability Assessment of Hydrogen and Second-Life Battery Energy Storage Systems for Canadian Arctic Microgrids
Muhammad Nadeem Akram and Walid Abdul-Kader, Industrial Engineering Program, MAME Department, University of Windsor, Windsor, Ontario, Canada

Case Studies and Best Practices

ID 29 Improving Productivity at a Small Footwear Manufacturing Business Through Work Standardization and DDMRP
Nicole Morelia Barrios-Lizonde, Sofía Stefany Pastor-Bayes, José Antonio Taquía-Gutiérrez and Juan Carlos Quiroz-Flores, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, 15023, Peru

IEOM Society International

21411 Civic Center Drive, Suite 205
Southfield, Michigan 48076, USA
Phone / WhatsApp: +1-734-530-7520
Email: info@ieomsociety.org
<http://ieomsociety.org/>

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