



IEOM Society International

August – Happenings

2018 Volume 3, Issue 2

IEOM Second European Paris Conference 2018

The Second European IEOM Paris Conference held from July 26-27, 2018 was an outstanding success. The conference venue was the IESEG's La Grande Arche Building campus located in the lower level of the landmark of La Défense: La Grande Arche. Approximately 300 attendees from more than 50 countries participated in the event. The IESEG venue located in the business and government centre proved to be an excellent facility. It was an exciting time to be in France during the celebration of winning the 2018 FIFA World Cup Final. The conference participants enjoyed the many sightseeing opportunities that Paris had to offer.

Here are some other key conference highlights:

- **The welcome message** from Dr. Jean-Philippe Ammeux (Dean of IÉSEG School of Management)
- The Global Engineering Education session has 12 distinguished speakers who will focus on the readiness of engineering graduates around the world.
- Industry Solutions includes 4 outstanding speakers.
- Proceedings papers and abstracts can be found on this link: <http://ieomsociety.org/paris2018/proceedings/>.
- Poster presenters can display their posters.
- Best track papers were awarded at the conference Award Dinner on Friday evening at Renaissance La Defense Hotel. This will include distinguished academic and industry leaders, educators, distinguished service awards, industry solution awards and global engineering education awards.
- This conference provides an exceptional networking opportunity with participants representing more than 50 countries.

Keynote Speakers – 2nd EU Paris Conference:

- Dr. Bart L. MacCarthy, Professor of Operations Management, Division Head – Operations Management and Information Systems, Nottingham University Business School, University of Nottingham, UK
- Dr. Yugang YU, Executive Dean, School of Management, University of Science and Technology of China (USTC), Hefei, Anhui, China
- Pascale Herman, Thermal Business Marketing Director, Valeo, Paris, France
- Charles Sagna, THS Academy Director, Valeo Thermal Systems Business Group, Paris, France
- Frédéric MORET, Industrial Director of Faurecia, Paris, France
- Nicolas SILVESTRE, Digital Transformation Director of Faurecia
- Stéphane COUDURIER, Industrial Performance Excellence Manager, Faurecia

University Partners

- IESEG, School of Management, France
- Arts et Métiers ParisTech
- Le Laboratoire de Génie Industriel et de Production Mécanique (LGIPM), Université de Lorraine, METZ, Cedex, France
- TU Wien, Austria
- Fraunhofer Austria Research
- Setubal Polytechnic Institute- Setubal School of Technology, Portugal
- Technische Universität Chemnitz, Germany
- ICN Business School, France
- Université de technologie de Troyes
- Lille Economie Management (LEM), Lille, France
- Baskent University, Turkey
- Universite Le Harve, France

- Lawrence Technological University, Michigan, USA
- University of New Brunswick at Fredericton, Canada
- University of Eyvanekey, Iran

Corporate Partners

- Eaton Corporation
- EFR Certification
- Faurecia
- SIEMENS
- Valeo

Organization Partners

- African Engineering Education Association (AEES)
- Indian Institute of Industrial Engineering (IIIE)
- International Federation of Engineering Education Societies (IFEES)
- Society of Cost and Quality Engineers (SCQE)

Aug 22, 2018

IEOM Student Chapter at Department of Industrial Engineering, Chiang Mai University, Thailand

<http://ieomsociety.org/ieom/cmu/>

Aug 21, 2018

Preliminary program of the Third North American IEOM Conference to be held at the University of the District of Columbia (UDC), Washington DC, USA during September 27-29, 2018: <http://ieomsociety.org/program-dc2018.pdf>

Aug 10, 2018

Still abstracts can be submitted for the IEOM South Africa Conference, Oct 30 – Nov 1, 2018, International Conference on Industrial Engineering and Operations Management, Pretoria/Johannesburg, South Africa, Venue: Saint George Hotel, <http://ieomsociety.org/southafrica2018/>

Aug 7, 2018

IEOM-JUST Symposium on Application based Industrial Engineering Education, August 4, 2018 at Jessore Univ of Eng and Tech (JUST), Jessore, Bangladesh. Organized by JUST & IEOM Society of BD and sponsored by University Grants Commission of Bangladesh (UGC):

<http://ieomsociety.org/ieom/just2018/>

Jul 7, 2018

IEOM DC Conference Keynote Speaker: Dr. Russell R. Barton, Distinguished Professor of Supply Chain and Information Systems, Smeal College of Business, The Penn State University. Presentation title is “Understanding Input Uncertainty in Operations Models”: <http://ieomsociety.org/dc2018/keynote/>.

Brazil Visit

IEOM Team has visited Production Engineering Department of Polytechnic School, University of Sao Paulo (USP), Brazil on June 25, 2018. Photos from left - Prof. Dr. Renato de Oliveira Moraes, Prof. Marcelo Schneck de Paula Pessoa (Deputy Department Head), Professor Don Reimer, Prof. Fernando José Barbin Laurindo (Department Head), Prof. Mauro de Mesquita Spinola, Dr. Ahad Ali, and Prof. Vitor Caldana (IFSP – Sorocaba).

IEOM team visited Instituto Federal de Educação, Ciência e Tecnologia de São Paulo (IFSP), Sao Paulo Campus, Brazil: Professor Don Reimer, Dr. Ahad Ali, and Prof. Vitor Caldana (IFSP – Sorocaba).

IEOM team visited Department of Production Engineering at University of São Paulo - Sao Carlos (USP-SC), SP, Brazil: Prof. Reginaldo T. Coelho (Nucleus of Advanced Manufacturing, Institute Factory of Millennium), Prof. Vitor Caldana (IFSP – Sorocaba), Professor Don Reimer, Professor Eraldo Jannone da Silva (Nucleus of Advanced Manufacturing, Institute Factory of Millennium), and Prof. Aldo Roberto Ometto Coordinator of Post Graduate Program of Production Engineering at EESC-USP)

IEOM team visited Department of Production Engineering at Federal University of Sao Carlos (UFSCar), SP, Brazil: Prof. Dr. Roberto Antonio Martins, Professor Rosane L. Chicarelle Alcantara, Professor Hildo Meirelles de Souza Filho (Head of Production Engineering), Professor Don Reimer and Prof. Vitor Caldana (IFSP – Sorocaba)

IEOM team visited Universidade Presbiteriana Mackenzie Campinas, SP, Brazil: Prof. João Carlos Gabriel - Coordinator of the Civil Engineering at the Center for Science and Technology - CCT – Mackenzie (far left) and Prof. Luiz Vicente Figueira de Mello Filho - Coordinator of the Production Engineering Course at Mackenzie Presbyterian University (far right).

IEOM Team visited IFSP of Sorocaba campus, SP, Brazil on June 29, 2018. Photos include Ms. Cynthia Fisher (International Relations Advisor of The Federal Institute of Education, Science and Technology, Sao Paulo) and Dr. Denilson C. Mirim (Director – IFSP – Sorocaba).

Meeting with Mr. Leonardo E. Wilinski, VP South America Channel, Siemens Industry Software, Digital Factory Division, Product Lifecycle Management, Sao Paulo, SP, Brazil at IFSP-Sorocaba campus on June 29, 2018.

IEOM Global Engineering Education Symposium Speakers at Instituto Federal de São Paulo – Campus Sorocaba, SP, Brazil: Dr. Ahad Ali (USA), Professor Donald M. Reimer (USA), Prof. Vitor M. Caldana (IFSP – Instituto Federal de São Paulo), Dr. Marcia Terra da Sihra (Paulista University – UNIP) and Profa. MSc. Eliane Regina Rodrigues Message (ZorffaTec, SP, Brazil). Symposium Chair - Prof. Vitor M. Caldana.

Visited Federal University of São Carlos (UFSCar) - Sorocaba campus, Brazil on July 2, 2018.

Visited University of Sorocaba (UNISO), Sao Paulo, Brazil on July 2, 2018.

Visited University of Sorocaba (UNISO), Sao Paulo, Brazil on July 2, 2018. Mr. Osmar Renato de Barros Siqueira (center), Head of the International Office, Universidade de Sorocaba – Uniso.

Visited FACENS (Sorocaba Engineering College), Sorocaba, SP, Brazil on July 3, 2018. Photo includes Eng. Paulo Roberto Freitas de Carvalho Facens (Director), faculty and students.

2018 IEOM EU Awards – Paris, France

IEOM Leadership Award

- Dr. Jean-Philippe Ammeux, Dean, IÉSEG School of Management, Lille, France

IEOM Distinguished Academic Award

- Caroline ROUSSEL, Academic Dean – IESEG School of Management

IEOM Research Leadership Award

- Ing. Jacobo Tijerina Aguilera, Director – Division of Extension, Consulting and Research, Univeristy of Monterrey, San Pedro Garza García, N.L., México

IEOM Outstanding Researcher Award

- Prof. Khumbulani Mpofu, Gibela Research Chair in Manufacturing and Skills Development, Professor of Industrial Engineering Department, Tshwane University of Technology (TUT), Pretoria, South Africa

IEOM Distinguished Educator Awards

- Pr. Alexandre Dolgui, Distinguished Professor (Full Professor of Exceptional Class in France), Head of Automation, Production and Computer Sciences Department, IMT Atlantique, Nantes Cedex 3, France
- Dr. Bart L. MacCarthy, Professor of Operations Management, Division Head – Operations Management and Information Systems, Nottingham University Business School, University of Nottingham, United Kingdom (UK)
- Dr. Yugang YU, Executive Dean, School of Management YU, University of Sci. & Tech of China (USTC), Hefei, Anhui, China

IEOM Distinguished Industry Awards

- Pascale Herman, Marketing Director, Valeo Thermal Systems Business Group, Paris, France
- Charles Sagna, Thermal Academy Director, Valeo Thermal Systems Business Group, Paris, France
- Pascale Herman, Marketing Director, Valeo Thermal Systems Business Group, Paris, France
- Charles Sagna, Thermal Academy Director, Valeo Thermal Systems Business Group, Paris, France
- Dr. Frédéric MORET, Industrial Director of Faurecia, Paris, France
- Nicolas SILVESTRE, Digital Transformation Director, Faurecia, Paris, France

- Stéphane COUDURIER CURVEUR, Industrial Process Performance Excellence, Injection Senior Manager & Senior Expert, Faurecia - Interiors - Central Manufacturing, Méru, France

IEOM Woman in Industry and Academia Award

- Dr. Linda Zhang, Professor of Operations Management, IESEG School of Management, Paris La Défense, France

IEOM Distinguished Service Awards

- Dr. Linda Zhang, Prof. of Operations Management, IESEG School of Management, Paris La Défense, France
- Celine LESUUN, IESEG School of Management, Paris, France

IEOM Industry Solutions Awards

- Rubén Elvira-Herranz, Services Program Manager, Military Aircraft, Airbus, Madrid, Spain
- Foad Hosseinkhanli, Director of Quality Assurance, Performance and Business Improvement, Amor Health Services, Inc., Brownsville, Texas, USA

IEOM Global Engineering Education Awards

- Dr. Matteo Mario Savino, Professor, University of Sannio, Benevento, Italy

IEOM Outstanding Service Appreciation Awards

- Dr. Chavi Chen, IÉSEG School of Management, Paris, France
- Dr. Tanja Mlinar, IÉSEG School of Management, Paris, France
- Dr. Ali Siadat, Professor, Arts et Métiers ParisTech de METZ, Metz, France

Undergraduate Student Paper Competition Awards Sponsored by SIEMENS**1st Place****ID 485 Design of a Centralized Warehouse Layout and Operation Flow for the Automotive Industry: A Simulation Approach**

Adriana Margarita Verduzco Guzmán, Kathia Montserrat Montalvo González, Mariana Frías Canales, María Teresa Verduzco Garza, Universidad de Monterrey, N.L., Mexico
Fátima Briceño de la Rosa, Daimler AG, N.L., Mexico

2nd Place**ID 471 Line Balancing in Assembly Line - A Case Study**

Fabiola Mercedes Arango García, Michelle Eugenia Sánchez Barrientos, Valeria Argumedo Hinojosa, Teresa Verduzco-Garza, Fernando González-Aleu and Jesús Vázquez, Universidad de Monterrey, México

3rd Place**ID 158 Autonomous Container Crane to Simplify Crane Operational Based on Image Processing and Distance Calculation**

Wikandhana Rajasa, Septia Sari, Rasyid Fajar and Muhammad Habibie, Institut Teknologi Sepuluh Nopember, Indonesia

ID 370 Redesigning a Retail Store Based on Association Rule Mining

Dalal Al Attal, Mariam Naser, Nourah AlBaghli, Nourah Al Muhaimed and Sarah Al Awadh, American University of the Middle East, Eqaila, Kuwait

Graduate Student Paper Competition Awards sponsored by EATON Corporation**1st Place****ID 458 The Effect of Ceiling Height on Thermal Comfort for Ceiling-Based Air Distribution Systems Vs Underfloor Air Distribution Systems in an Office Space**

Meshal AIOtaibi, University of Kansas, USA

2nd Place**ID 347 Introducing Statistical Process Control Techniques into a Headliner Subassembly Process**

Torie G. Rose, Lawrence Technological University, USA

Senior Design Project Competition Award**1st Place****ID 374 Improvement of Diabetes Awareness: Applying Six Sigma to Increase Teachers Awareness Regarding Diabetic Children in Primary Schools in Kuwait**

Fatemah Al-Juhaim, Layali Al-Dhefeeri, Rawan Al-Shatti, Shaikha AlDaboos, and Walid Smew, American University of the Middle East (AUM), Eqaila, Kuwait

Best Poster Awards**1st Place****ID 158 Autonomous Container Crane to Simplify Crane Operational Based on Image Processing and Distance Calculation**

Wikandhana Rajasa, Septia Sari, Rasyid Fajar and Muhammad Habibie, Institut Teknologi Sepuluh Nopember, Indonesia

2nd Place**ID 162 Investigating the Awareness of Decision-Making Heuristics and Biases in the Selection and Definition of Infrastructure Projects**

Mohamed Al-Ali, Michael Emes and Raúl Leal, University College London, UK

ID 164 Appointment Scheduling Optimization for Specialist Outpatient Services

C. K. M. Lee, KKH Ng and M. C. Cheng, The Hong Kong Polytechnic University, China

3rd Place**ID 324 Discrete Event Simulation for Chemotherapy Patient Flows**

Dang Khoi Pham and Christine Di Martinelly, IESEG School of Management, France
Alejandra Duenas, ICN Business School (CEREFIGE), France

ID 400 Thermography Monitoring and Diagnostic Tool in Predictive Maintenance

Amal Boukili and Mohammed Mesrar, Sidi Mohamed Ben Abdellah University, Fez, Morocco

Undergraduate Research Competition Awards**1st Place****ID 369 Dynamic Programming Approach to Unit Commitment Problem for Kuwait Power Generations**

Nadine Awadah, Rawan AlShikh Ali, Shaikha AlBaijan, Ghalia Al-Qallaf, Muneerah Al-Hassawi, and Suat Kasap, American University of the Middle East – AUM, Eqaila, Kuwait

High School and Middle School STEM Presentation Competition Awards**1st Place****ID 382 An Alerting Device to Prevent Death Risk in Dental Treatment**

Kanticha Hothai, Thanadon Pitakwarin and Yupaporn Premkamol, Princess Chulabhorn's College Chonburi, Banbuang, Chonburi, Thailand

High School and Middle School STEM Poster Competition Awards**1st Place****ID 405 Developing of an Open Source Eletrocardiogram Prototype**

Suppakit Chantarasittipol and Thanut Bumrungsawat, Princess Chulabhorn's College Chonburi, Thailand

2nd Place**ID 375 Developing Thai and English Braille Fonts by using FontForge.**

Sathaphon Cheratummakool and Punthat Siriwan, Princess Chulabhorn's College Chonburi, Thailand

Middle School STEM Competition Awards**1st Place****Garbage to Gold: A concept of using processed wastes to process waste**

Kaustabh Ghamande, Manse Ghamande and Sacchidanand Gogawale, India

Simulation and PLM Competition Awards**1st Place****ID 395 Digital Human Modeling and Simulation to Correct Work Postures in Dentistry**

Danah Ahmad, Sarah Hashem, Sarah AlAttal, Deema AlQemlas, Kareem Abbady, and Suat Kasap, American University of the Middle East – AUM, Egaila, Kuwait

2nd Place**ID 011 A System Dynamics Approach to Analysis of Development Policies in Occupational Health and Safety Management System**

Mahdi Bastan, Leila Azizi and Alimohammad Ahmadvand, University of Eyvanekey, Iran

Best Track Papers Awards**Big Data and Analytics****ID 526 Application of Big Data Analytics for Recommending V93K Tester Platform Focus Area with High Test Time and Index Time Deviation**

Romero Sunshine Ander, Koh Mei Hwei and Tang Ho Hwa @Howard
Infineon Technologies Asia Pacific Pte. Ltd.
Singapore

Business Management**ID 124 The Influence of Leadership on Innovation: a Case Study in the Telecommunications Industry in South Africa**

Pascalis Adams, Hannelie Nel and Annlizé Marnewick
Postgraduate School of Engineering Management
Faculty of Engineering and the Built Environment
University of Johannesburg, Auckland Park, Johannesburg, South Africa

ID 320: Implications of Human Resource Management against Organizational Culture, Work Motivation, Job Satisfaction and Employee Performance at State Own Enterprise Hospitals in Indonesia (Empirical Study on the 5 Biggest Pertamina Hospitals in Indonesia)

Uli Wildan Nuryanto, Asep Saefudin and Pantja Djati
University Mercubuana, Jakarta, Indonesia

Decision Sciences**ID 325 Desirability Function Approach for Selection of Facility Location: A Case Study**

Prasad Karande
Department of Mechanical Engineering,
Veermata Jijabai Technological Institute,
Mumbai, India

Prasenjit Chatterjee
Department of Mechanical Engineering,
MCKV Institute of Engineering, Howrah, India

ID 546 Comparison of Pension Fund Calculations Using Actuarial Methods of Projected Unit Credit and Pay-As-You-Go

Sukono, Mochamad Suyudi, Widya Novita Sari
Department of Mathematics, Faculty of Mathematics and Natural Sciences,
Universitas Padjadjaran, Indonesia

Yuyun Hidayat
Department of Statistics, Faculty of Mathematics and Natural Sciences,
Universitas Padjadjaran, Indonesia

Abdul Talib Bon
Department of Production and Operations,
University Tun Hussein Onn Malaysia, Malaysia

Energy and Resource Efficiency

ID 188 Quantifying the Life Cycle Cost of a High Pressure Grinding Roll in a Mineral Processing Plant
Njabulo Buthelezi, Annlizé Marnewick and Hannelie Nel
Faculty of Engineering and Built Environment
University of Johannesburg, South Africa

Facilities Planning and Management

ID 112 Corrosion Management: A Case Study of South African Oil and Gas Company
Linda Njomane and Arnesh Telukdarie
University of Johannesburg, South Africa

Healthcare

ID 494 Vehicle Routing Problem for Blood Mobile Collection System with Stochastic Supply
Andrea Pirabán Ramírez
Logistic Systems Research Group, School of Engineering
Universidad de La Sabana
Campus Puente del Común, Km. 7, Autopista Norte de Bogotá. Chía, Cundinamarca, Colombia
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William Javier Guerrero Rueda
Logistic Systems Research Group, School of Engineering
Universidad de La Sabana, Campus Puente del Común, Autopista Norte de Bogotá. Chía, Cundinamarca, Colombia

Human Factors and Ergonomics

ID 404 An Evaluation of Road Hump Markings in Riyadh: Detectability of the Shapes and Colors
Ahmed M. El-Sherbeeney, Woo-Hyung Park, Mohammed A. Alghufaili and Abdulrahman I. Al-Husseini
Industrial Engineering Department, King Saud University, Riyadh, 11421, KSA

Information Technology and Information Systems

ID 73 Fuzzy logic control system in medical field
Brahmi Samira and Zermane Hanane
Batna 2 University, Batna, Algeria

Inventory Management

ID 154 Optimal Vendor-Buyer Cooperative Inventory Policy for Order Size Dependent Transportation Cost
Sharon Orengo, Md. Shahriar J. Hossain and Bhaba R. Sarker
Department of Mechanical and Industrial Engineering
Louisiana State University, Baton Rouge, LA, USA

Lean and Six Sigma

ID 29 Implementation of Lean Manufacturing System to Eliminate Wastes on The Production Process of Line Assembling Electronic Car Components with WRM and VSM Method
Muhammad and Yadrifil
Department of Industrial Engineering , Universitas Indonesia

ID 437 Implementation of Kanban, a Lean tool, In Switchgear Manufacturing Industry – A Case Study
Lean and Six Sigma

Shashwat Gawande and J.S Karajgikar
College Of Engineering, Pune
Savitribai Phule Pune University
Pune, Maharashtra, India

Logistics Management**ID 217 The extent of the Urban Freight Transport system on the Road Safety**

Nassima LAARAJ, Imane MOUFAD, Fouad JAWAB, Youness Fricchi, Kawtar Akoudad and Karim Zehmed
Sidi Mohamed Ben Abdellah University (SMBAU), Fez, Morocco

Manufacturing and Design**ID 559 Overall Efficiency Improvement of a Production Line by Using Yamazumi Chart: A Case Study**

Subrata Talapatra, Sharif-Al-Mahmud and Imran Kabir
Department of Industrial Engineering and Management
Khulna University of Engineering and Technology
Khulna 9203, Bangladesh

Manufacturing and SC**ID 427 Investigating Supply Chain Performance and Supply Chain Integration Linkage in Jordanian Manufacturing Firms**

Vikas Kumar, Jack Zeidan, Archana Kumari
Bristol Business School
University of the West of England
Bristol, BS16 1QY, UK

Jose Arturo Garza-Reyes
Centre for Supply Chain Improvement
University of Derby, UK

Jiri Tupa
Faculty of Electrical Engineering
University of West Bohemia, Pilsen, Czech Republic

Operations Research**ID 41 A Game Theoretic Approach to Newsvendor Problems with Censored Markovian Demand**

Parisa Mansourifard
Ming Hsieh Department of Electrical Engineering
University of Southern California, Los Angeles, California, 90089 USA

Farzaneh Mansourifard
Department of Engineering & Technology, Alzahra University, Tehran, Iran

Bhaskar Krishnamachari
Ming Hsieh Department of Electrical Engineering
University of Southern California, Los Angeles, California, 90089 USA

ID 444 The Impact of Employee Motivation on Productivity at a Water Treatment and Supply's Laboratory in Johannesburg, South Africa

Sambil Mukwakungu, Jwalane Elizabeth Mpharoane and Charles Mbohwa
Department of Quality and Operations Management, University of Johannesburg

Operations Management and**ID 482 Forecast for products with a short life cycle and their relationship with the supply chain
Operations Management and Operations Research**

Andrés Velásquez Contreras
Universidad Autónoma de Colombia

Doctorado en Logística y Dirección de la Cadena de Suministro
Universidad Popular Autónoma del Estado de Puebla

Diana Sánchez-Partida
Profesora investigadora en el posgrado de Logística y Dirección de la Cadena de Suministro
Universidad Popular Autónoma del Estado de Puebla.
21 Sur 1103, Puebla, Puebla 72410, México

Project Management**ID 117 Real Options for Dealing with Uncertainty in Project Management: A Case Study of Moroccan Infrastructure Project**

Jihane Gharib¹, Abdelaziz Berrado², Loubna Benabbou¹
1 Team MOAD-SCM, 2 Team AMIPS, Department of Industrial Engineering,
Mohamadia School of Engineers, Mohammed V University, Rabat, Morocco

Quality Control and Management**ID 308 Evaluating Measurement System by Gauge Repeatability and Reproducibility**

Bahar Sennaroglu
Department of Industrial Engineering
Marmara University, Istanbul, Turkey

Ozlem Yurtsever
Vocational School of Technical Sciences
Marmara University, Istanbul, Turkey

Reliability and Maintenance**ID 279 Modeling and Performance Analysis of a Flexible Manufacturing Cell with Machine Failures**

Abdulmajeed Dabwan, Husam Kaid, Abdulrahman M. Al-Ahmari and Tariq Aziz
1College of Engineering, Industrial Engineering Department, King Saud University, Riyadh, Saudi Arabia

Reverse Logistics and Green Systems**ID 473 An Integrated Approach with MOORA, SWARA, and WASPAS Methods for Selection of 3PLSP**

Arvind Jayant and Shweta Singh
Department of Mechanical Engineering
Sant Longowal Institute of Engg. & Technology, Longowal, Sangrur, Punjab – 148106 (INDIA)

S. K. Garg
Department of Mechanical Engineering, Delhi Technological University, Delhi-110042 (INDIA)

Service Systems and Service Management**ID 6 A Comparison of Ambulance Location Models in Two Mexican Cases**

Jenny Díaz Ramírez, Edgar Granda, Bernardo Villarreal & Gerardo Frutos
Universidad de Monterrey, San Pedro Garza García, N.L., México

Sustainability**ID 289 Resources Allocation: A moderator of the relationship of recycling strategy and organizational performance**

Ahmed M. Attia, OPIM Department, Effat University, Jeddah, KSA

Sustainability in Food Supply Chains**ID 421 A Simulation Study of Sustainable Agri-Food Supply Chain**

Hagar H. Amer, Noha M. Galal, Khaled S. El-Kilany
Department of Industrial and Management Engineering
Arab Academy for Science, Technology, and Maritime Transport, Abo-Kir Campus, Alexandria, Egypt

Supply Chain Design**ID 430 New Framework to Optimise Leagile Supply Chain Design**

Thi Hong Dang Nguyen and Thien-My Dao
Department of Mechanical/ Manufacturing Engineering
École de technologie supérieure, l'Université du Québec, Montréal, QC, Canada

Systems Dynamics**ID 393 Developing a comprehensive and multi-objective mathematical model for university course timetabling problem: a real case study**

Amin Jamili, Mahdi Hamid and Hassan Gharoun
School of Industrial Engineering, College of Engineering, University of Tehran, Iran

Roohollah Khoshnoudi, School of Industrial Engineering, Islamic Azad University, South Tehran Branch, Iran

ID 89 Addressing the challenge of lean manufacturing sustainment with system dynamics modeling: a case study on apparel manufacturing in a developing country

Marc Haddad and Rami Otayek

Department of Industrial and Mechanical Engineering, Lebanese American University, Lebanon

Systems Engineering**ID 321 Supervision of an Industrial Process of Milk Production using Fuzzy Logic**

Hanane Zermane, Samira Brahmi, Naima Zerari, Rachad Kasmi

Laboratory of Automation and Manufacturing, Industrial Engineering Department, University Batna 2, Algeria

Transport and Traffic Management**ID 70 Increase of fuel efficiency in a passenger road transportation company**

Jenny Díaz Ramírez, Laura Armendáriz Santinelli, María Fernanda Salcedo Junco and David Castaños Güitrón

University of Monterrey, Monterrey, Mexico

ID 191 Development of Variable Toll Pricing Strategy to Manage Traffic Congestion at Metro Manila Skyway

Queen Jean Flores, Bien Carlo Realon, Lindley Bacudio and Giselle Joy Esmeria

Industrial Engineering Department, De La Salle University, Manila, Philippines

Waste Management**ID 286 Discharge times of ultrafine and superfine powders in a short riser circulating fluidized bed at different humidification conditions**

Emad A. M. Abdelghani

Minia University, Faculty of Engineering, Chemical Eng. Dept., Minia, P.O. Box 61519, Egypt

Yanbu Industrial College, Colleges & Institute Sector, Royal Commission Yanbu, Saudi Arabia (current)

Mohammad W. Hakami

Yanbu Industrial College, Colleges & Institute Sector, Royal Commission Yanbu, Kingdom of Saudi Arabia.