

2015 IEOM Orlando Awards

September 10, 2015 (Rosen Plaza Hotel)

IEOM Global Diversity Collaboration Award

- PACE (Partners for the Advancement of Collaborative Engineering Education)

Distinguished Service Awards

- Alastair Orchard, Director Digital Enterprise Projects, Siemens PLM Software, Genoa, Italy
- Dr. Pamela McCauley, Professor & Director of the Ergonomics Laboratory, Industrial Engineering and Management Systems Department, University of Central Florida, Orlando, USA
- Dr. Miguel Gastón Cedillo-Campos, Professor in Logistics Systems Dynamics, Senior Researcher, Mexican Institute of Transportation and Founding President, Mexican Logistics and Supply Chain Association (AML)
- Thomas Seubert, North American Delivery Lead for Manufacturing Execution Systems (MES),
 Tata Technologies, Novi, Michigan, USA

Distinguished Educator Awards

- Dr. Uriel Cukierman, Universidad Tecnológica Nacional Facultad Regional Buenos Aires,
 Argentina; President of International Federation of Engineering Education Societies and GEDC (Global Engineering Deans Council) Committee Member
- Jairo Alfonso Vargas, Department Head, Department of Industrial Engineering, Fundación Universitaria Konrad Lorenz, Bogotá Colombia
- Dr. Hamid Parsaei, Professor of Industrial and Systems Engineering, Texas A&M University (College Station) and Professor of Mechanical Engineering and Director of Academic Outreach, Texas A&M University Qatar

Outstanding Service Awards

- Dr. Kit Fai Pun, Professor of Industrial Engineering, Faculty of Engineering, The University of the West Indies, St Augustine Campus, Trinidad & Tobago, West Indies
- Dr.-Eng. Eldon Caldwell, Director, Industrial Engineering Department, University of Costa Rica
- Dr. Ali ElKamel, University of Waterloo, Canada
- Dr. Ing. Humberto R. Álvarez A., Universidad Tecnológica de Panamá, Panama
- Dr. Eui Park, North Carolina A&T State University, USA

IEOM Society Awards – 2015 Orlando Conference

Global Engineering Education Awards

Dr. Christoph Wunck, Professor, Business Computing Systems, Industrial Engineering, College of Management, Information, Technology, Jade University, Wilhelmshaven, Germany

Dr. Jose R. Deliz, Associate Dean, School of Engineering, Professor and Director of Industrial and Management Engineering, Universidad Turabo, Puerto Rico

Dr. Chan Chee-Ming, Associate Professor and Deputy Dean (Academic and Research), Centre for Graduate Studies, Universiti Tun Hussein Onn Malaysia, Batu Pahat, Johor, Malaysia

Dr. Alina Shamsudin, Associate Professor, Deputy Dean (Teaching, Learning and Academic Training), Centre for Academic Development and Training, Universiti Tun Hussein Onn Malaysia, Johor, Malaysia

Best Industry Solutions Award

Gil Lugo, President, Green and Sustainable Solutions, Inc., Fort Lauderdale Florida, USA

Ambassador Award

Hulas King, Director, Diversity, Professional Affiliations & Global Community Relations, Siemens PLM Software

Appreciation Recognition Awards

Valeria Mendoza Cortes, Universidad Del Rosario, Bogota, Colombia

Dr. Hansa Lysander Manohar, Associate Professor, Department of Management Studies, Anna University, Chennai, India

Outstanding Student Award

Gomanth Duvvuru, Lawrence Technological University, Michigan, USA

Undergraduate Student Paper Competition Awards sponsored by Siemens

1st Place: Increasing Customer Service Level in Distribution Operations
Ayde Yuriko Venegas, Universidad de Monterrey, San Pedro Garza García, N.L., Mexico

2nd Place: Characterization of Alzheimer's disease: An Operations Research Approach Yazeli Cruz, Yaritza Santiago, Valerie Gonzalez, Clara Isaza and Mauricio Cabrera, University of Puerto Rico – Mayaguez, Puerto Rico, United States

Graduate Student Paper Competition Awards sponsored by Eaton

1st Place: Threshold Function for the Optimal Stopping of Arithmetic Ornstein-Uhlenbeck Process Alon Dourban and Liron Yedidsion, Technion - Israel Institute of Technology, Haifa, Israel

2nd Place: Centralized Carrier Collaboration and Multi-Hub Location Optimization Using a Genetic Algorithm Jose Espiritu and Eduardo Castillo, The University of Texas at El Paso, Texas, United States

3rd Place: Biofuel Production: Potential Requirements Integration
 Mostafa F. Fawzy, Industrial Engineering, Iowa State University
 Paul J. Componation, Industrial, Manufacturing, & Systems Engineering Department, University of Texas at Arlington

3rd Place: A Bayesian Approach for Early Stage Reliability Prediction of Evolutionary Products Mahtab Jahanbani Fard, Industrial & System Eng., Wayne State University Sattar Ameri, Computer Science, Wayne State University
Ali Zeinal Hamadani, Dept. Industrial Engineering, Isfahan University of Technology, Iran

IEOM Society Awards – 2015 Orlando Conference

Research Paper Competition Award

1st Place: Multi-Objective Supply Chain Network Design under Demand Uncertainty Using Robust Goal

Programming Approach

Raghda Taha, AASTMT, Cairo, Egypt

Yomna Sadek, Amin Elkharbotly and Nahid Afia, ASU, Cairo, Egypt

Khaled Abdallah, AASTMT, Cairo, Egypt

2nd Place: Design and fabrication of automated loading trolley for missile and canister

Nazishuddin Quadri Syed College of Engineering Pune, Maharashtra, India

Mohan Khond, College of Engineering Pune, Maharashtra, India

3rd Place: Simulation Analysis for futuristic manufacturing: A green roadmap

Amandeep Singh, Deepu Philip, Janakranjan Ramkumar and Suman Samanta, Indian Institute of Technology,

Kanpur, India

Best Poster Award

A case study on the use of practical problem-solving activities to quantitatively improve physics learning in engineering education

Thais Santos, Universidade Paulista (UNIP)/ Universidade São Judas Tadeu (USJT), Brazil

Lilian Pereira, Pedro Ferreira, Iara Lima, Tulio Vivaldini, Alexandre Frugoli and Pedro Frugoli, Universidade Paulista (UNIP), Brazil

Best Track Papers Awards

Decision Analysis

Improving Obstacle Detection of Automated Guided Vehicles via Analysis of Sonar and Infrared Sensors Output

Ademola Abodunrin and Richard Pitts, Morgan State University, Baltimore, Maryland, USA

Energy Track

Developing a Polynomial-Fourier Series Model for Building's Electricity Consumption Forecasting Cho-Liang Tsai, Wei Tong Chen and Chin-Shiang Chang, Naitonal Yunlin University of Sci. & Tech, Taiwan

Engineering Education Track

Important Soft Skills for Engineers to Succeed in a Working Environment Dyah Hening and David Koonce, Ohio University, USA

Engineering Management Track

Performance Evaluation of the Proposed and Existing Waste Management System: Economic Analysis Swapan Das and Bidyut Kr. Bhattacharyya, Indian Institute of Engineering Science and Technology, Shibpur, West Bengal, India

Healthcare Operations and Services

A System Dynamics Model of Flow of Patients from the ICU through the Step-Down Units Sankar Sengupta and Ozge Civit, Oakland University, Rochester Michigan, USA

Human Factors and Ergonomics Track

Human Factors Analysis for Railway Coach and Bogie Maintenance Using AHP Subhash Chandra Panja, Jadavpur University, India

Sanghamitra Poddar and Malay Gangopadhyaya, Institute of Engineering & Management, India

Industry Practices and Solutions

General Satisfaction Index (GSI) Applied to Organizational Climate Researches: A New Approach Focused on Banking

Carlos Ernani Fries and Guilherme Luz Tortorella, Federal University of Santa Catarina, Florianópolis, Brazil

IEOM Society Awards – 2015 Orlando Conference

Logistics Services /Supply Chain

Anticipatory Shipping: A Commercial Application of Pre-positioning
Hao Fu, Department of Industrial Engineering & Operations Research, University of California, Berkeley

Lean and Six Sigma

Application of Six Sigma in Service Contracting Company
Ateekh Ur Rehman, Industrial Engineering Department, King Saud University, Riyadh, KSA

Gaps between Psychophysical Demands and Perceived Workload – A Framework for Lean Production System Guilherme Luz Tortorella and Carlos Ernani Fries, Federal University of Santa Catarina, Brazil Marcelo Pereira da Silva, Fernando Gonçalves Amaral and Flávio Sanson Fogliatto, Federal University of Rio Grande do Sul, Brazil

Manufacturing and Design

Optimal Hull and Mold Storage in a Lean Boat Manufacturing
Mostafa Ghafoorivarzaneh, Rupy Sawhney, and Tron Dareing, University of Tennessee-Knoxville, USA

Modeling and Simulation

Statistical Analysis of Sliding Resistance of Braided Glass Fiber Reinforced Composite Orthodontic Brackets and Archwires

Sarder E. Sadique, Marshall University, West Virginia, USA

Operations Management

Evacuation of a Highly Congested Urban City: The Case of Beirut John El Khoury, Lebanese American University, Lebanon Jean-Paul M. Arnaout, Gust Univ. for Science and Tech. (GUST), Kuwait Caline El Khoury, Lebanese American University, Lebanon

Operations Research

A new part routing-based decisional algorithm for urgent fabrication through a cost-time model in a flexible manufacturing system

Thien-My Dao, ETS/University of Quebec, Canada

Quality and Reliability

A Bayesian Approach for Early Stage Reliability Prediction of Evolutionary Products Mahtab Jahanbani Fard, Industrial & System Eng., Wayne State University, USA Sattar Ameri, Computer Science, Wayne State University, USA Ali Zeinal Hamadani, Dept. Industrial Engineering, Isfahan Univ. of Tech, Iran

Sustainability

Global Warming Potential and Cost Minimization for the Centralized Carrier Collaboration and Multi-Hub Location Problem

Jose Espiritu, Heidi Taboada, Juan Fernandez, Eduardo Castillo, Claudia Valles, and Ileana Delgado, The University of Texas at El Paso, USA