IEOM 2014 Best Track Papers Awards

Because of the diversity of the research, entries of real case examples and quality reporting in the papers, it was a very hard decision to select the finalists in each track by our panel of judges. After considering all entries the following papers were awarded for the IEOM 2014 Best Track Papers Awards. The awards will be presented at the IEOM 2014 Bali Conference Dinner on Wednesday, January 8, 2014.

Artificial Intelligence Track
ID 208: **Practical ABC intelligence solution for Quadratic Assignment**
Golnar Behzadi and Balan Sundarakani, Faculty of Business and Management, University of Wollongong in Dubai, UAE

Case Studies Track
ID 382: **Religiosity and Customer Satisfaction in Public Sector of Pakistan: An Empirical Study**
Muhammad Muzammil Tanveer, National University of Sciences & Technology, Islamabad, Pakistan
Rida Khurshid, Fatima Jinnah Women University, Rawalpindi, Pakistan

Computer and Information Systems Track
ID 043: **A Structural Equation Model for Identifying Critical Success Factors of Implementing ERP in Iranian, Kalleh Food Products Company**
Reza Farrokhian and Faezeh Soleimani, Dept. Management, Industrial Management Institute – North Branch, Amol, Iran
Yousef Gholipour-Kanani, Department of Management, Islamic Azad University - Qaemshahr Branch, Qaemshahr, Iran
Seyed Mehrdad Moghaddam Ziabari, Dept. of Management, Industrial Management Institute – North Branch, Amol, Iran

Construction Management Track
ID 333: **Fuzzy Gathering for Factors Affecting Construction Contractor's Performance in Egypt**
Hossam Hassaan and M.S. Shehata, Department of Structural Engineering, University of Alexandria, Alexandria, Egypt
M.N.Fars, Department of Industrial Engineering, University of Alexandria, Alexandria, Egypt

ID 196: **Submerged Geotextile Breakwater Construction Modeling**
Amarjit Singh and Jerre Hansbrough, Department of Civil and Environmental Engineering, University of Hawaii at Manoa, Honolulu, HI, USA

E-Business and E-Commerce Track
ID 206: **E-shopping Success Dimensions – An Empirical Study in Kuwait**
Kamel Rouibah, College of Business Administration, Kuwait

Energy Track
ID 395: **Wind Energy Analysis for 3 Prospective Costal Sites of Bangladesh**
Muhammad Mahbubul Alam, Bangladesh University of Engineering & Technology (BUET), Dhaka, Bangladesh
A. K. Azad, Sylhet Gas Field Limited, Sylhet, Bangladesh

Engineering Economy Track
ID 510: **Examining Relationship between Macroeconomic Variables Using Var Approach**
Imran Arshad, IBA Sukkur, Pakistan

Engineering Education Track
ID 413: **New Methods for Course Development and Management in Engineering Education**
Peter Toth, Trefort Agoston Centre for Engineering Education. Obuda University, Hungary
Imre J. Rudas, Obuda University, Hungary

ID 042: **Systematic Development of a Multifunctional Passenger Safety Bar Based on a Reference Project Frame for Student Design Projects**

Karl Hain, Christoph Rappl and Josef Süß, Faculty of Mechanical Engineering and Mechatronics, DIT - Deggendorf Institute of Technology, 94469 Deggendorf, Bavaria, Germany
Walter Steininger, Max Streicher GmbH & Co., Deggendorf, Germany

Engineering Management Track
ID 273: Assembly Line Balancing Problem of Sewing Lines in Garment Industry
James C. Chen, National Tsing Hua University, Hsinchu, Taiwan
Chun-Chieh Chen, Chung Yuan Christian University, Chung Li, Taiwan
Yi-Jhen Lin, Chun-Ju Lin, and Tiffany Y. Chen, National Tsing Hua University, Hsinchu, Taiwan

Facilities Planning and Management Track
ID 204: Facility Location in a Three-Echelon Supply Chain with Stochastic Demand - A Discrete-Event Simulation Approach
Hasan Hosseini Nasab and Morteza Elahi, Faculty of Industrial Engineering, Yazd University, Iran
Hamed Elahi, Faculty of Industrial Engineering, Sadjad Institute, Iran

Healthcare Systems Track
ID 037: Statistical Models for Hospital Readmission Prediction with Application to Chronic Obstructive Pulmonary Disease (COPD) Patients
Li Zeng, Smriti Neogi, and Jamie Rogers, The University of Texas at Arlington, Arlington, USA
Susan Seidensticker, Carlos Clark, Lindsey Sonstein, Rick Trevino, and Gulshan Sharma, Department of Internal Medicine, The University of Texas Medical Branch, Galveston, USA

Human Factors and Ergonomics Track
ID 343: A Predictive Model of the Severity of Musculoskeletal Disorders among Poultry Layer Workers
Ma. Janice J. Gumasing, School of Industrial Engineering and Engineering Management, Mapua Institute of Technology, Intramuros, Manila 1002, Philippines

IE/OM in Asia Track
ID 269 Benefits of using Unit Production System (UPS) Line over Conventional Line in the Sewing Section of a Garment Industry
Md. Atikul Islam, Department of Industrial Engineering and Management, Khulna University of Engineering & Technology (KUET), Bangladesh

Inventory Management Track
ID 237: A Single Manufacturer - A Single Buyer Partnership with Vendor Managed Inventory and Consignment
Docki Saraswati, Trisakti University, Indonesia
Andi Cakravastia, Bermawi P. Iskandar, and Abdul Hakim Halim, Bandung Institut Teknologi, Indonesia

Lean and Six Sigma Track
ID 476: Process Visualization of a Manufacturing Plant Based On Lean Concept
H.M.M.M. Jayawickrama, Department of Production Engineering, University of Peradeniya, Sri Lanka
S. Samarasena, Department of Electrical and Electronic Engineering, University of Peradeniya, Sri Lanka
A.K. Kulatunga, Department of Production Engineering, University of Peradeniya, Sri Lanka

Logistics Management Track
ID 365: Location-Routing-Inventory Problem with Transshipment
Haliza Ahmad, Pa'ezah Hamzah, Zaitul Anna Melisa Md Yasin and S. Sarifah Radiah Shariff, Centre for Statistical and Decision Science Studies, Faculty of Computer and Mathematical Sciences, Universiti Teknologi MARA, Malaysia

Manufacturing and Design Track
ID 137: A Generic Model for Integrated Sales, Product, and Production Configuration
Linda L. Zhang, IESEG School of Management, France

Modeling and Simulation Track

ID 430: **Efficient Computation of the Area and Length of a Planar Contour Using Digital Elevation Model Data**

Hiroyuki Goto, Department of Industrial & System Engineering, Hosei University, Koganei, Tokyo, Japan
Yoichi Shimakawa, Department of Computer Science and Technology, Salesian Polytechnic, Tokyo, Japan

Operations Management Track

ID 272: **Understanding Dynamics of Green House Gases Impacts on Jakarta's Urban Development Using Model-Based Policy Simulator to Support Policy Making**

Akhmad Hidayatno, Irvanu Rahman, and Ricki Muliadi, University of Indonesia, Jakarta, Indonesia

Operations Research Track

ID 107: Green Supply Chain Design with Multi-Objective Optimization

Kartina Puji Nurjanni, Postgraduate Program of Industrial Engineering, Universitas Gadjah Mada, Yogyakarta, Indonesia
Maria S. Carvalho and Lino A.A.F da Costa, Department of Production and System, Universidade do Minho, Portugal
Fauzun, Department of Mechanical and Industrial Engineering, Universitas Gadjah Mada, Yogyakarta 55281, Indonesia

Production Planning and Management Track

ID 118: A Reference Model for Development of Production Scheduling Systems

Shigeru Fujimura, Graduate School of Information, Production and Systems, Waseda University, Fukuoka, Japan

Industrial Automation and Control Track

ID 370: **Contactless Smart Card Based Prepaid Gas Metering System**

Md. Liakot Ali, Mohammad Imam Hasan Bin Asad and Md. Saiful Islam, Institute of Information and Communication Technology, Bangladesh University of Engineering and Technology, Dhaka, Bangladesh

Project Management Track

ID 205: **An Approach for Project Scheduling Using PERT/CPM and Petri Nets (PNs) Tools**

Amer A. Boushaala, Department of Industrial and Manufacturing Systems Engineering, University of Benghazi, Libya

Quality Control and Management Track

ID 279: **Designing a Variables Two-Plan Sampling System with Process Loss Consideration**

Nani Kurniati, Department of Industrial Management, National Taiwan University of Science and Technology, Taipei, Taiwan
Chien-Wei Wu, Department of Industrial Engineering and Engineering Management, National Tsing Hua University, Hsinchu, Taiwan
Ruey-Huei Yeh, Department of Industrial Management, National Taiwan University of Science and Technology, Taipei, Taiwan

Reliability and Maintenance Track

ID 087: **Nonlinear Mixed-Effects Models for Multiple Repairable Systems**

Byeong Min Mun and Suk Joo Bae, Department of Industrial Engineering, Hanyang University, Seoul, Republic of Korea

Service Systems and Service Management

ID 147: **Airline Overbooking under Stochastic Show-Up Probability**

Kannapha Amaruchkul, Graduate School of Applied Statistics, National Institute of Development Administration (NIDA), Bangkok, Thailand

Supply Chain Management Track

ID 194: **Centralizing Slow-Moving Items in a Retail Network – A Case Study**

Shao Hung Goh and Boon Lian Lim, School of Business, Singapore Institute of Management (SIM) University, Singapore

Sustainability and Green Systems Track

ID 065: **A Framework for Evaluation of Renewable Energy Policies**

Michael Mutingi, University of Botswana, Botswana
Charles Mbohwa, University of Johannesburg, South Africa

Systems Engineering Track

ID 481: **Investigation Novel Matched Valve-Actuator with Atomiser Inserts Design for Two-Fluid With 50% Fill Ratio**

Norzelawati Asmuin, Centre for Energy and Industrial Environment Studies (CEIES), Faculty of Mechanical Engineering and Manufacturing, Universiti Tun Hussein Onn Malaysia (UTHM), Malaysia

Technology Management Track

ID 314: **Gasification of Oil Refinery Waste for Power and Hydrogen Production**

O. Yuksel Orhan, G.İs and E. Alper, Chemical Engineering Department, Hacettepe University, Ankara, Turkey
K. McApline, S. Daly, M. Sycz and A. Elkamel, Chemical Engineering Department, University of Waterloo, Canada