



IEOM Society

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2017 IEOM Awards – Bristol, UK July 25, 2017

IEOM Distinguished Educator Awards

Donna Whitehead

Pro Vice-Chancellor and Executive Dean
Bristol Business School
University of the West of England (UWE)

Professor Nikolaos Antonopoulos

Pro Vice-Chancellor Research
University of Derby

Professor David Russell

Dean of College of Business, Law and Social Sciences
College of Business, Law and Social Sciences
University of Derby

Professor Nicholas O'Regan

Associate Dean for Research
Bristol Business School
University of the West of England (UWE)

Ray McDowell

Associate Dean for Planning and Resources
Bristol Business School
University of the West of England (UWE)

Patricia Voaden

Head of the Department of Business and Management
Bristol Business School
University of the West of England (UWE)

IEOM Distinguished Industry Award

David McDermaid

Business Development Manager
Siemens Industry Sector
Siemens Industry Software Limited
Solihull, B90 8AF, UK

Chris Ditton, C Eng, MI Mech E
Director of Operations, OSTE-UK
Olympus Surgical Technologies Europe
Cardiff, United Kingdom

IEOM Distinguished Service Awards

Prof. Jose Arturo Garza-Reyes

Professor of Operations Management
Head of the Centre for Supply Chain Improvement
College of Business, Law and Social Sciences
The University of Derby
Kedleston Road Campus
Derby, DE22 1GB, UK

Dr. Vikas Kumar

Co-Chair – IEOM UK 2017 Symposium
Associate Professor in Enterprise Operations Management
MSc IM Programme Leader
Faculty of Business and Law
Bristol Business School
University of the West of England
Coldharbour Ln, Bristol, BS16 1QY
United Kingdom

IEOM Outstanding Researcher Award

Professor Lukumon O. Oyedele

Director of Bristol Enterprise, Research and Innovation Centre (BERIC)
University of the West of England (UWE)
Bristol, United Kingdom

IEOM Teaching Excellence Award

Dr. Jiju Antony

Professor of Quality Management
School of Management & Languages
Dept. of Business Management
Heriot-Watt University
Edinburgh, United Kingdom

IEOM Global Engineering Education Award

Dr. Stuart C Burgess

Professor of Engineering Design
Department of Mechanical Engineering
University of Bristol
Bristol, BS8 1TH, UK

IEOM Outstanding Service Awards

Prof. A G Hessami, Chair of IEEE UK & Ireland Section and Director, Vega Systems, London-UK

Prof. Mike Hinchey, Vice Chair of IEEE UK & Ireland Section and Director of Lero and Professor of
Software Eng., University of Limerick, Ireland

Dr. Cyril Onwubiko, Secretary of IEEE UK & Ireland Section and , Director, Cyber Security Intelligence
at Research Series Limited, UK

IEOM Outstanding Student Awards

Anh Thi Phuong Nguyen, University of the West of England

Bruno Teixeira Luz Foresti Gallotta, The University of Derby

Luiz Fernando Ferreira Corandin, University of the West of England

Nguyen Thao Huong Huynh, University of the West of England

Nguyen Thi Giang, University of the West of England

Simon Peter Nadeem, The University of Derby

Vu Thi Huong, University of the West of England

Best Track Papers Awards

Automation and Control

ID 57 Robotic Polishing of Streamline Co-Extrusion Die: A Case Study

Srinivas Ganapathyraju and Shahab Ghafari, Sheridan Institute of Advanced Learning and Technology, Brampton, Ontario, Canada

Circular Economy

ID 98 Spectrum of Circular Economy and its Prospects in Logistics

Simon Peter Nadeem, Jose Arturo Garza-Reyes and Anthony I. Anosike, Centre for Supply Chain Improvement, The University of Derby, UK

Vikas Kumar, Bristol Business School, University of the West of England, Coldharbour Ln, Bristol, UK

Data Analytics

ID 137 Historical Hashtags: An Investigation of the '#CometLanding' Tweets

Noor Farizah Ibrahim and Christopher Durugbo, School of Economics, Finance and Management, University of Bristol, Bristol, UK

Decision Sciences

ID 77 Multi-Criteria Decision Making: The Case of Large and Distinct Decision Makers

Anthony Afful-Dadzie and Eric Afful-Dadzie, Department of Operations Management and Information Systems, University of Ghana Business School, Accra, Ghana

Entrepreneurship and Innovation

ID 158 Supplier Development Funding: Evaluating a Funding Model for South African Manufacturing Cooperatives

Mkwanazi Michael Sizwe and Mbohwa Charles, Department of Quality and Operations Management, University of Johannesburg, South Africa

Financial Engineering

ID 51 Strategic Asset Allocation Portfolio Using Elastic Asset Allocation

Taewan Kim, Mihyeop Lee and Daeryong Seo, Paul Math School, 12-11, Dowontongmi-gil, Cheongcheon-myeon, Goesan-gun, Chungcheongbuk-do, Republic of Korea

Global Manufacturing

ID 29 Factors for manufacturing competitiveness of automotive part suppliers from Nuevo Leon, Mexico: a literature review

Luz María Valdez de la Rosa, Engineering Management Department, University of Monterrey, Nuevo Leon, Mexico

Luis Alberto Villarreal Villarreal, Center for Business Development and Postgraduate, Autonomous University of Nuevo Leon, Nuevo Leon, Mexico

Juan Baldemar Garza Villegas, Graduate Studies in Engineering, University of Monterrey, Nuevo Leon, Mexico

Inventory Management

ID 220 Modelling Inventory Grouping Decisions Using Grouping Genetic Algorithms

Michael Mutingi, Faculty of Engineering, Namibia University of Science and Technology, Windhoek, Namibia and Faculty of Engineering and the Built Environment, University of Johannesburg, Johannesburg, South Africa

Charles Mbohwa, Faculty of Engineering and the Built Environment, University of Johannesburg, Johannesburg, South Africa

Logistics, Transport and Traffic Management

ID 72 Newsvendor Based Pricing Model for Liner Shipping With Sailing Speed Optimization

Walaa Ishnaineh, Industrial Engineering and Engineering Management Department, University of Sharjah, Sharjah, UAE

Ali Cheaitou, SEAM Research Group and Industrial Engineering and Engineering Management Dept., University of Sharjah, UAE

Manufacturing

ID 142 Study Analysis of Productivity Improvement Micro, Small And Medium Enterprises (MSMEs) Hand Craft With Line Balancing Method to Improve and Enhance Sustainable Economic In Depok, Indonesia

Muhammad and Rahmat Nurcahyo, Industrial Engineering (IE) Dept., Faculty of Engineering, University of Indonesia

Lean and Six Sigma

ID 198 Factors Influencing Effectiveness of Lean Maintenance Repair and Overhaul in Aviation

Adrián Peña Sánchez and Funlade Sunmola, School of Engineering and Technology, University of Hertfordshire, Hatfield, UK

Logistics

ID 91 Multi Product Multi Period Network Design for Reverse Logistics

Aysenur Budak and Alp Ustundag, Department of Industrial Engineering, Istanbul Technical University, Macka, Istanbul, Turkey

Modeling and Simulation

ID 149 Synchronizing Discrete Event Simulation Models and System Dynamics Models

Magdy Helal, Industrial Engineering Department, American University of the Middle East, Kuwait

Luis Rabelo, Industrial Engineering and Management Systems Department, University of Central Florida, Orlando, FL, USA

Project Management

ID 65 Critical Success Factors and the “Iron Triangle”: A study in Project Manufacturing Environments

Antonio Carlos Pacagnella Junior, School of Applied Sciences, State University of Campinas, Limeira, São Paulo, Brazil
Sergio Luis da Silva, Production Engineering Department, Federal University of São Carlos, São Carlos, São Paulo, Brazil
Ornella Pacifico, Centro Universitário Estácio de Ribeirão Preto, Ribeirão Preto, São Paulo, Brazil

Quality Engineering, Control and Management

ID 160 Quality Control in the Clothing Production Process of an Under-Resourced Sewing Co-operative: Case Study

Mkwanazi Michael Sizwe, Department of Quality and Operations Management, University of Johannesburg, Auckland Park, South Africa
Mbohwa Charles, Faculty of Engineering and Built Environment, University of Johannesburg, Auckland Park, 2006, South Africa

Service Systems and Service Management

ID 49 Location and Emergency Inventory Pre-Positioning for Disaster Response Operations: Min-Max Robust Model and a Case Study of Yushu Earthquake

Wenjun Ni, Department of Industrial and Manufacturing Systems Engineering, Faculty of Engineering, The University of Hong Kong
Jia Shu, Dept. of Management Science and Engineering, School of Economics and Management, Southeast University, Nanjing, Jiangsu, China
Miao Song, Department of Logistics and Maritime Studies, Faculty of Business, The Hong Kong Polytechnic University, Hong Kong

Supply Chain Management

ID 55 The bullwhip effect under count time series: The case of first order integer auto-regressive demand processes

Bahman Rostami-Tabar and Stephen M. Disney, Logistics Systems Dynamics Group, Cardiff Business School, Cardiff University, UK

Sustainability in Supply Chains and Operations

ID 207 A Systematic Literature Review on Visibility in Sustainable Supply Chain Ecosystems

Apeji Uje Daniel and Funlade T. Sunmola, Manufacturing, Materials and Biomedical Engineering Dept., University of Hertfordshire, UK
Petros Khoudian, Centre for Academic Quality Assurance, University of Hertfordshire, Hatfield, AL10 9UF England

Work Design and Measurement

ID 45 An Engineering Approach to Increase Chances of Data Capture-ability and Data Analyzability in Work Measurement Practices

Thong Sze Yee, Zuraidah Bt. Mohd Zain and Tan Chan Sin, Manufacturing Engineering, Universiti Malaysia Perlis (UniMAP), Perlis, Malaysia