



IEOM Society

"Achieving and Sustaining Operational Excellence"

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2019 IEOM Awards – Pilsen, Czech Republic

July 23-25, 2019 (Park Hotel)

IEOM Leadership Award

- Dr. Miroslav Holeček, Rector, The University of West Bohemia, Pilsen, Czech Republic

IEOM Distinguished Educator Awards

- Prof. Josef Basl, Department of Industrial Engineering and Management, Faculty of Mechanical Engineering, University of West Bohemia, Pilsen, Czech Republic
- Prof. Felicita Chromjakova, Professor, Department of Industrial Engineering and Information Systems, Tomas Bata University, Zlin, Czech Republic

IEOM Distinguished Industry Achievement Awards

- Dipl. Ing. Wolfgang Weissler, CEO Digital Factory & Process Industries and Drives, SIEMENS Czech Republic
- Petr Nekolný, VALEO, Nymburk, Czech Republic
- Roman Žák, Chairman of the Board, Aimtec, Pilsen, Czech Republic
- Tomáš Vondrák, Plant Manager, Continental, Czech Republic
- Christof Spiegel, Senior Vice President & General Manager at Eaton, Bonn, North Rhine-Westphalia, Germany
- Grant Liversage, Managing Director, Pilsen Urquell Brewery, Prague, Czech Republic

IEOM Outstanding Researcher Awards

- Dr. Jrjung Lyu, Professor, Department of Industrial Management Science, National Cheng Kung University, Tainan, Taiwan
- Dr. Sascha Gierlings, Leitender Wissenschaftler bei Fraunhofer-Institut für Produktionstechnologie IPT, Aachen, North Rhine-Westphalia, Germany
- Taesu Cheong, Korea University, Associate Professor, Seoul, South Korea

IEOM Young Researcher Awards

- Dr. Antonio Sartal, Researcher (Operations Research and Management), University of Vigo, Spain

IEOM Woman in Industry and Academia Award

- Ing. Denisa Hrušecká, Ph.D., Head of Department, Department of Industrial Engineering and Information Systems, Faculty of Management and Economics, Tomas Bata University in Zlín, 760 01 Zlín, Czech Republic

IEOM Teaching Excellence Awards

- Dr. Josep Llach, Professor, Department of Business Administration and Product Design, University of Girona, Campus Montilivi, Girona, Spain
- Victor Gomez Frias, Profesor de Administración de Empresas and Director of International Master in Business and Public Policy (MIEPP), Universidad Politécnica de Madrid, Madrid, Spain
- Prof. Mauro Mancini, Associate Professor, Department of Management, Economics and Industrial Engineering, Politecnico di Milano, Italy

IEOM Global Engineering Education Awards

- Assoc. Prof. Milan Edl, Dean, Faculty of Mechanical Engineering, University of West Bohemia, Pilsen, Czech Republic
- Dr. António Grilo, Associate Professor with Habilitation, Head of the Department of Mechanical and Industrial Engineering at FCT NOVA, Director of UNIDEMI and Director of the PhD Program in Industrial Engineering, UNIDEMI- Research Centre hosted by the Department of Mechanical and Industrial Engineering (DEMI), of NOVA School of Science and Technology of Lisbon Nova University, Campus da Caparica, Portugal

IEOM Distinguished Service Awards

1. Dr. Jiří Tupa, Vice Dean for Strategy and Development, Faculty of Electrical Engineering, University of West Bohemia, Pilsen, Czech Republic
2. Professor Jose Arturo Garza-Reyes, Ph.D., Professor of Operations Management, Head of the Centre for Supply Chain Improvement, College of Business, Law and Social Sciences, University of Derby, UK
3. Dr. Vikas Kumar, Professor of Operations and Supply Chain Management, Director of Research and Scholarship, Bristol Business School, University of the West of England (UWE), Bristol, UK

IEOM Outstanding Service Awards

- Ing. Tomas RERICHA Ph.D., University of West Bohemia, Pilsen, Czech Republic

IEOM Outstanding Student Leadership Awards

- Andrea Benesova
- David Fremr
- David Kalas
- Iveta Pangracova
- Jaroslav Hornak
- Jiri Hlina
- Jiri Navratil
- Karel Krupicka
- Martin Hirman
- Michal Svehla
- Pavel Stahl
- Tomas Rericha

Undergraduate Student Paper Competition Award

1st Place

ID 004 Improving Forecasting Accuracy to reduce Variability of Customer Service Level

Bernardo Villarreal, Mónica Balderas, Andrea Araiza and Mariana Pena, Universidad de Monterrey, San Pedro Garza García, México.

2nd Place

ID 007 Increase Plant Productivity Using an OEE Approach: An Application

Mariana Molina-Barrientos, Teresa Verduzco & Bernardo Villarreal, Departamento de Ingeniería Universidad de Monterrey, San Pedro Garza García, Nuevo León, México

Undergraduate Research Competition Award

1st Place

ID 508 Design, Fabrication and Testing of a 3D Printer

Mohamad Hasan Bin Tasneem and Gamal Talal, Mechanical and Industrial Engineering Department, College of Engineering, Sultan Qaboos University, Sultanate of Oman

2nd Place

ID 131 A Scalable Approach for Vehicle Routing Problem with Reinforcement Learning

C.Y. Lo and C.K. M. Lee, Department of Industrial and Systems Engineering, The Hong Kong Polytechnic University Hong Kong, China

3rd Place

ID 127 Assessment of Wind Farm Allocation Criteria

Mawadda M. Samkari and Abdulaziz T. Almaktoom, Department of Operations and Information Management, Effat University, Kingdom of Saudi Arabia

Graduate Student Paper Competition Award

1st Place

ID 531 Tools and Leadership Qualities for Change Implementation
Lukas Vaclavik, CPD & Strategic Management, College of Engineering and Technology, University of Derby, UK

2nd Place

ID 486 Enhance the Thermal Properties of Poly-Propylene Polymer
Nawaf Almohamdi, Department of Mechanical Engineering Yanbu, Industrial College, Yanbu, Zip 46429, KSA
Ashraf M. Alghanmi, Mechanical and Industrial Engineering Department, Yanbu Industrial College, Yanbu, Saudi Arabia

Master Thesis Competition Award

ID 303 A Study of Workforce Assignment Problem in Lean Factory on Machine Tool Industry
JrJung Lyu, Ching-Hsiang Tung and Chia-Wen Chen, Department of Industrial and Information Management, National Cheng Kung University, Tainan, Taiwan

Simulation Competition Award

ID 211 Making the Profitability Paradox of Bad Banks: A System Dynamics Approach
Mahdi Bastan, Sareh Akbarpour and Alimohammad Ahmadvand, Department of Industrial Engineering, University of Eyvanekey, Garmsar, Iran
Hamed Shakouri G., School of Industrial Engineering, College of Engineering, University of Tehran, Tehran, Iran

Undergraduate Poster Competition Award

1st place

ID 421 Compressed Air Driven Car
Mohammed Saleh Alrashedi, Mohammad Tarahib Alharbi and Fahad Alhujaili, Department of Mechanical Engineering Technology, Yanbu Industrial College, Yanbu Al-Sinaiyah, Saudi Arabia

2nd place

ID 508 Design, Fabrication and Testing of a 3D Printer
Mohamad Hasan Bin Tasneem and Gamal Talal, Mechanical and Industrial Engineering Department, College of Engineering, Sultan Qaboos University, Sultanate of Oman

3rd place

ID 155 Balancing the Workmanship of a Production Line in the Manufacturing Industry of a Personal Care Product
Jackson Generoso, Milton Alexandre Ziehlsdorff and Paulo Henrique Gamba, Department of Production and Systems Engineering, Federal University of Santa Catarina, Brazil

Graduate and Professional Poster Competition Award

1st Place

ID 231 A New Climate Indicator to Be Used In Prediction of Cooling Energy in Hot and Humid Regions
Mauricio Nath Lopes and Roberto Lamberts, Department of Refrigeration and Air Conditioning, Federal Institute of Santa Catarina (IFSC), São José, SC, Brazil

2nd Place

ID 230 Adoption of Product-Service System and the Potential as a Sustainable Solution: A Literature View in the Fashion Industry
Pedro Seolin dos Santos, Lucila M. S. Campos and Paulo Augusto Cauchick Miguel, Department of Production Engineering and Systems, Federal University of Santa Catarina – UFSC, Florianopolis – SC, Brazil

2nd Place

ID 120 A Review Paper on Algorithms Used For Simple Assembly Line Balancing Problems in the Automotive Industry
Salah Eddine Ayoub El Ahmadi, Laila El Abbadi and Moulay Taib Belghiti, National School of Applied Sciences, Ibn Tofail University, Kenitra, Morocco

3rd Place

ID 304 Process View on E-Health with Risk Analysis
Michal Švehla and Jiří Tupa, Department of Technologies and Measurement, Regional Innovation Centre for Electrical Engineering (RICE), Faculty of Electrical Engineering, University of West Bohemia

ID 359 Determination of Changes Between Lean Management and Lean 4.0
Andrea Benesova and Jiri Tupa, Department of Technologies and Measurement, Faculty of Electrical Engineering, University of West Bohemia, Univerzitní 2732/8, 301 00 Pilsen, Czech Republic