



IEOM Society

"Achieving and Sustaining Operational Excellence"

www.ieomsociety.org

2017 IEOM Awards – Rabat, Morocco

April 12, 2017 (Sofitel Hotel)

IEOM Global Diversity Award

Virsmousil Tanger, Tangier, Morocco

IEOM Global Manufacturing Award

SIEMENS PLM

IEOM STEM Award

Morrill Learning Center, San Jose, California, USA

IEOM High School STEM Project Awards

Mason Chen, Milpitas Christian School, San Jose, CA, USA

Joseph Jang, Monta Vista High School, San Jose, CA, USA

Zonghuan Li, San Mateo High School, San Mateo, CA, USA

Timothy Liu, Lynbrook High School, San Jose, CA, USA

Hyunjun Min, Jiho Shin, Jaeho Choi, and Hohyun Lee, Data Science Lab, Paul Math School, Goesan County, Korea

IEOM Distinguished Educator Awards

Dr. Brian Denton, Professor, Industrial and Operations Engineering, University of Michigan- Ann Arbor MI, USA and President of INFORMS (The Institute for Operations Research and the Management Sciences)

Dr. Kevin Smith, Dean of the School of Science and Engineering, Associate Professor of Computer Science, School of Science and Engineering, Al Akhawayn University, Ifrane, Morocco

Dr. Joe E. Amadi-Echendu, Professor, Engineering and Technology Management, University of Pretoria, South Africa and Director, Institute of Engineering Technology and Innovation Management, UNIPORT

Dr. Suk-Hwan Suh, Professor and Director of Center for Ubiquitous Manufacturing, Dean of Graduate School of Engineering Mastership, POSTECH: Pohang University of Science and Technology, Pohang, South Korea

Prof. Adagbonyin Obiazi, Professor of Electrical Engineering, Ambrose Alli University, Ekpoma, Nigeria and President, AEDC

Professor Mohamed Essaaidi, ENSIAS College of Engineering - Director (Dean), Mohamed V University and IEEE Morocco Section Past Chair & Founder (2004)

Dr. Hesham K. Alfares, Chairman and Professor, Systems Engineering (SE) Department, College of Computer Sciences & Engineering (CCSE), King Fahd University of Petroleum & Minerals (KFUPM), Dhahran, Saudi Arabia

IEOM Distinguished Industry Awards

Mr. Hakim ABDELMOUMEN, President of AMICA (Moroccan Association for Automotive Industry and Trade)

Mr. Taoufiq ABBAD ANDALOUSS, Director General, Virsmousil Tanger, Morocco

Mr. Bas van Dijk, Account Manager, Siemens PLM Software, Veldhoven, North Brabant Province, Netherlands

Dr. Othmane Benmoussa, Consultant in Transportation, Logistics, Supply Chain Management, and Business Sustainability and Part-Time Faculty in Logistics and Supply Chain Management, Al Akhawayn University, Morocco

Mouna Al Ibrahim, Supply Chain, OE & Commercialization Manager, MENA, The Coca-Cola Company, Rabat, Morocco

Mohammed Nidar BAKKALI, Logistics Manager at Renault Nissan Tangier Plant, Morocco

IEOM Outstanding Researcher Awards

Dr. Mohammed Boulmalf, Professor & Dean of the Computer Science, International University of Rabat, Morocco

Dr. Mohd Nazri Ismail, Associate Professor, National Defence University of Malaysia (NDUM)

IEOM Teaching Excellence Awards

Dr. María Jesús Sáenz

Director of the Zaragoza Logistics Center, Spain

Professor at the MIT-Zaragoza International Logistics Program

Director of the Behavioral SCM research group

Research Affiliate at the MIT Center for Transportation and Logistics

IEOM Distinguished Service Awards

Dr. Ilham Kissani, Al Akhawayn University, Ifrane, Morocco

Dr. Virgilio Cruz-Machado, Head of Department at Department of Mechanical and Industrial Engineering, New University of Lisbon, Portugal and President - Portuguese Institute of Industrial Engineering (IPEI)

Bhaskar Bhaskar, Chairman, Indian Institution of Industrial Engineering, Mumbai, India

Kavitha Prabhu, General Manager- ASQ MEA, World Trade Center, Dubai, United Arab Emirates

General Tan Sri Ismail Jamaluddin, Chief Executive Officer (CEO), Weststar Aviation Services (WAS), Aviation Services – Offshore Helicopter Services

Dr. Charles Chen, Morrill Learning Center, San Jose, California, United States

IEOM Industry Solutions Awards

Ananth Rangarajan, Flipkart Internet Private Ltd., Bangalore, India

IEOM Spirit / Innovation Award

Play Academy (Laila Berchane, Managing Director and Co-Founder, Casablanca, Morocco)

IEOM Entrepreneurship Award

Ms. Iman Youssef, CEO, Amour Fragrance and CEO, Best Canadian Liquidation (BCL), LaSalle, Ontario, Canada

IEOM Global Engineering Education Awards

Prof. Dr.-Ing. Egon Müller

Director Institute of Industrial Sciences and Factory Systems
Chemnitz University of Technology
Chemnitz, Germany

Professor Youssef Benadada

Head of Operational Research and Logistics (ROL)
Head of the Department of Informatics and Decision Support (IAD)
Coordinator of the e-Logistics Engineering (leL)
Ecole Nationale Supérieure d'Informatique et d'Analyse des Systèmes (ENSIAS)
Mohammed V University
Rabat, Morocco

Dr. Antonio Henriques de Araujo Junior

Professor
Department of Production Engineering
College of Technology
State University of Rio de Janeiro
Rio de Janeiro, RJ
Brazil

Dr. Rezg Nidhal

Professor of University
Director of LGIPM Laboratory (Laboratoire de Génie Industriel, de Production et de Maintenance)
Director of Training and Research Unit (MIM)
University of Lorraine
Metz, France

IEOM Outstanding Service Awards

Dr. Abdelaziz Berrado
Associate Professor of Industrial Engineering
The Ecole Mohammadia d'Ingénieurs (EMI)
Mohammed V University
Rabat, Morocco

Dr. Loubna Benabbou
Professor of Industrial Engineering
The Ecole Mohammadia d'Ingénieurs (EMI)
Mohammed V University
Rabat, Morocco

Dr. Said Elfezazi
Professor
Department of Instrumental Techniques and Quality Control
Higher School of Technology
Research Team Lead in Industrial Engineering
Cadi Ayyad University
Marrakech, Morocco

Dr. Charles Mbohwa
Faculty of Engineering and the Built Environment
Department of Quality and Operations Management
University of Johannesburg, South Africa
Indonesia

Dr. Abdul Hakim Halim
Professor
Manufacturing Systems Research Group
Department of Industrial Engineering
Bandung Institute of Technology
Bandung, INDONESIA

IEOM Woman in Industry and Academia Award

Dr. Ilham Kissani
Engineering & Management Science
School of Science & Engineering
Al Akhawayn University, Ifrane, Morocco

Dr. Tagwa Ahmed Musa
Dean and Associate Professor
College of Petroleum Engineering and Technology
Sudan University of Science and Technology
Khartoum, Sudan

IEOM Appreciation Awards

Mr. Mohamed Lamghari
Senior Consultant
AMICA (Moroccan Association for Automotive Industry and Trade)
Rabat, Morocco

Dr. Ali Mostafaeipour
Industrial Engineering Department
Yazd University
Yazd, Iran

Outstanding Track Chair Awards

Dr. Bernardo Villarreal
Universidad de Monterrey
Mexico
- Lean and Six Sigma

Dr. Abbas Mahmoudabadi
Mehraestan University
Gilan, Iran
- Transportation and Traffic

IEOM Outstanding Student Awards

Sarah Namany, Student at Al Akhawayn University, Ifrane, Morocco

Lahcen Mifdal, Laboratory of Industrial Engineering and Mechanical Production – LGIPM, University of Lorraine, Metz, France

Outstanding Faculty Advisor Award

Dr. M. Pratibha
Professor
Department of Humanities & Social Sciences
Vidya Jyothi Institute of Technology
Aziz Nagar Gate, C.B. Post
Hyd-500 075, Telangana, India

Dr. Ilham Kissani
Engineering & Management Science
School of Science & Engineering
Al Akhawayn University
Morocco

Dr. Charles Mbohwa
Professor, Department of Quality and Operations Management
University of Johannesburg, South Africa

Dr. Abdelaziz Berrado
Associate Professor of Industrial Engineering
The Ecole Mohammadia d'Ingénieurs (EMI)
Mohammed V University
Rabat, Morocco

Professor Don Reimer
Director of Entrepreneurship Program
A. Leon Linton Department of Mechanical Engineering
Lawrence Technological University
Southfield, Michigan, USA

Outstanding Student Chapter Award

Gold

Vidya Jyothi Institute of Technology, Telangana, India

Silver

Al Akhawayn University, Morocco

Bronze

University of Johannesburg, South Africa
Ecole Mohammadia d'Ingénieurs (EMI), Mohammed V University of Rabat, Morocco
Lawrence Technological University, Michigan, USA

Outstanding Professional Chapter Award

Gold

Ethiopia

Silver

Iran

Bronze

Bangladesh
Azerbaijan

Undergraduate Student Paper Competition Awards Sponsored by SIEMENS

1st Place sent

ID 126 A Continuous Improvement Project to Increase Fulfillment Level in a Wire Company

Mitzary Elizabeth Chavero Hidalgo, Yaneth Alejandra Santos Muñiz, Alan Javier Corral De León, Fernando González Aleu, Jesus Vazquez, Teresa Verduzco-Garza and Jose A. Lozano, Department of Engineering, Universidad de Monterrey, Nuevo León, México

2nd Place sent

ID 546 Developing a Mobile Health Application "I.Diabetic" for Type 1 Diabetic Kids

Rawan Al-Shatti and Suat Kasap, Industrial Engineering Department, American University of the Middle East – AUM, Egaila, Kuwait

3rd Place sent

ID 036 Improving On-Time Delivery Eliminating Routing Waste: A Case Study

Ilse-Valeria Benavides-Peña, Valeria Garza-Amaya, Cecilia Garza-Madero and Bernardo Villarreal, Departamento de Ingeniería, Universidad de Monterrey, San Pedro Garza Garcia, NL 66238, Mexico

Graduate Student Paper Competition Awards sponsored by EATON Corporation

1st Place

ID 013 Bibliometric Analysis of Research in Continuous Improvement Projects in Hospitals

Fernando Gonzalez Aleu, Department of Engineering, Universidad de Monterrey, San Pedro Garza Garcia, NL, 66238, Mexico
Eileen M. Van Aken, Grado Department of Industrial and Systems Engineering, Virginia Tech, Blacksburg, VA, 24061, U.S.A.
Heather Keathley-Herring, Department of Industrial Engineering and Management Systems, University of Central Florida, Orlando, FL, U.S.A.

Doctoral Dissertation Awards

1st Place sent

ID 311 A Strategic Approach to Effectively Manage Supplier Quality within the Construction Industry

Rufaidah AlMaian, Kuwait University, Kuwait

2nd Place sent

ID 055 An Empirical Investigation of Critical Success Factors for Continuous Improvement Projects in Hospitals

Fernando Gonzalez Aleu, UNIVERSIDAD DE MONTERREY, Mexico

3rd Place sent

ID 550 Topological Analysis of Project Risks Network: A Case of Rabat Tramway Project

Younes Bourass, Mohammadia Engineering School, Morocco

Undergraduate Research Presentation Competition Awards

1st Place sent

ID 379 Bone Phosphate Lime - Sampling Method

Wiam Aissaoui, School of Science and Engineering, Al Akhawayn University of Ifrane, Ifrane, 48075, Morocco

2nd Place sent

ID 580: Superiority of Sanskrit Language in Tele Communication & Computing

Shashank Mani Tripathi, Institute of Engineering & Technology, Bundelkhand University Jhansi, Uttar Pradesh, India

Senior Design Project Competition Awards

1st Place

Aymane Eddahmani, Savonius Vertical Wind Turbine: Design and Simulation, Al Akhawayn University, Morocco
Basma Belarhzal, Air Treatment Using Misting Technology, Al Akhawayn University, Morocco

2nd Place

Ayad Ibtihal, DMAIC Implementation for Logistics Process Reengineering in a Sorting Center, École Mohammadia d'ingénieurs (EMI), Mohammed V University, Rabat, Morocco
Hoor Jalo, Depollution of Olive Mill Wastewater, Al Akhawayn University, Morocco

3rd Place

Ahmed M. El-Sherbeeney, Traffic Sign Evaluation and Redesign of Typeface in Saudi Arabia, King Saud University, Saudi Arabia

Oumayma Grine, Vehicle Routing Problem with Time Window Constraints and Clustering, Al Akhawayn University, Morocco

El Quissoumi Zaineb, Optimization with the time, Al Akhawayn University, Morocco

High School/Middle School STEM Project Presentation Competition Awards

1st Place

Statistical JAVA Gaming Simulation

Timothy Liu, Lynbrook High School, San Jose, CA, USA

Mason Chen, Milpitas Christian School, San Jose, CA, USA

Joseph Jang, Monta Vista High School, San Jose, CA, USA

2nd Place

Use Robotics to Simulate Self-Driving Car on SUV Fields

Mason Chen, Milpitas Christian School and Morrill Learning Center, San Jose, CA, USA

3rd Place

An Analysis of Powerball and Condition Leading to January Largest Powerball in History

Mason Chen, Milpitas Christian School, Morrill Learning Center, San Jose, CA, USA

Zonghuan (Jason) Li, San Mateo High School, Morrill Learning Center, San Mateo, CA, USA

High School/Middle School STEM Project Poster Competition Awards

1st Place

ID 152 Simulate Self-Driving Taxi in Route Tracking

Mason Chen, Milpitas Christian School, Morrill Learning Center, San Jose, CA, United States

2nd Place

ID 151 Data Mining- Detect Cheating Pattern

Mason Chen, Milpitas Christian School, San Jose, CA, USA

Timothy Liu, Lynbrook High School, San Jose, CA, USA

3rd Place

ID 500 Predict 2017 NBA Team Winning Percent

Mason Chen, Milpitas Christian School, San Jose, CA, USA

Maggie Lau, Challenger School, San Jose, CA, USA

Simulation and PLM Competition Awards

1st Place

ID 551 Ergonomic Weightlifting” Competition by using JACK

Ali Al Ramadhan, Abdulrahman Ahmad, Saoud Alotaibi and Suat Kasap, Industrial Engineering Dept., American University of the Middle East, Kuwait

Best Poster Awards

1st Place

ID 470 Improving the Passive Building Energy Efficiency – Case Study: Office Building in Tetuan City in Northern of Morocco

Abdelmajid El Bouardi, Faculty of Sciences, Abdelmalek Essaadi University, Tetuan, Morocco

Friedrich Sick, University of Applied Sciences, Berlin, Germany

Meriem Lebled, University of Applied Sciences, Berlin, Germany and Faculty of Sciences, Abdelmalek Essaadi University, Tetuan, Morocco

2nd Place

ID 160 The Innovation function within the company: Review of Literature and Attempt of Modeling of the Associated Process

Rime Etabaa and Driss Bouami, Ecole Mohammedia d'ingénieurs, Rabat, Morocco

Elfezazi Said- ERGI Université cadi Ayyad, Marrakech, Morocco

3rd Place

ID 053 Intellectual Capital and its Measurement

Brahmi Samira, Aitouche Samia and Mouss Mohamed Djamel
Industrial Engineering Department
Batna 2 University, Batna, Algeria

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 2017 Track Best Papers Awards. The awards have been presented at the award dinner of the IEOM Conference in Rabat on Wednesday, April 12, 2017.

Artificial Intelligence

Detection of Steel Surface Defect Based on Machine Learning Using Autoencoder Network (ID 57)

Ehab A. Kholief
Production Engineering Department
Alexandria University
Alexandria, 21614, Egypt

Samy H. Darwish
Electrical Engineering Department
Pharos University
Alexandria, 21614, Egypt

M. Nashat Fors
Production Engineering Department
Alexandria University
Alexandria, 21614, Egypt

Automation and Control

Design Concept of Day Minus 1 Production Model Using Systems Modeling Language: a Case Study of Hospital Beds Production (ID 94)

Susanto Sudiro
Magister Teknik Mesin, Universitas Pancasila Jakarta
Indonesia

Sha'ri Mohd Yusof
Razak School of Engineering and Advanced Technology, Universiti Teknologi Malaysia
Kuala Lumpur, Malaysia

Revino, Post Graduate Program
Institut Sains dan Teknologi Nasional Jakarta
Indonesia

Case Studies

Optimizing Durability of the High Performance Nano-Concrete Applying Taguchi Method and Desirability Function (ID 312)

Elahe Abbasi
Office of Standards and Surveys Monitoring
Statistical Centre of Iran

Tehran, Iran

Hamid Reza Pasandideh
Department of Industrial Engineering, Faculty of Engineering
Kharazmi University
Tehran, Iran

Mostafa zandiyeh
Department of Industrial Management, Accounting and Management Faculty
Shahid Beheshti University
Tehran, Iran

Mohamad Hadi Behboodi
Department of Civil Engineering
Ghazali Higher Education Institute
Qazvin, Iran

Computers and Computing

Getting Model of MVVM pattern from UML Models (ID 366)

Mouad El Omari
MATSI Laboratory, Department of Computer Science,
Mohammed First University
Oujda, 60000, Morocco

Mohammed Erramdani
MATSI Laboratory, Department of Computer Science,
Mohammed First University
Oujda, 60000, Morocco

Saida Filali
MATSI Laboratory, Department of Management,
Mohammed First University
Oujda, 60000, Morocco

Construction Management

Assessment of Financial Condition: A Case Study of Saudi Construction Companies (ID 176)

Naif Turki Ibn-Homaid and Tijani Ibrahim A
Construction Engineering & Management
Civil Engineering Department
King Saud University
Riyadh, Saudi Arabia

Decision Sciences

In the framework of the Corporate Social Responsibility: Proposal of a methodology of selection of performance indicators (ID 377)

Samah Elrhanimi
Systems Engineering Laboratory
National School of Applied Sciences Kenitra, Ibn Tofail University
Kenitra, Morocco

Laila El abbadi
Systems Engineering Laboratory
National School of Applied Sciences Kenitra, Ibn Tofail University
Kenitra, Morocco

Abdellah Abouabdellah
Systems Engineering Laboratory
National School of Applied Sciences Kenitra, Ibn Tofail University
Kenitra, Morocco

Energy

Energy Efficiency Evaluation in Petrochemicals Industry (ID 332)

Mohamed Salaheldin
Industrial Engineering
Faculty of Engineering, Alexandria University
Alexandria, Egypt

Ahmed Farouk Abdul Moneim
Industrial and Management Engineering
Arab Academy of Science and Technology and Maritime Transport
Alexandria, Egypt

M. Nashat Fors
Industrial Engineering
Faculty of Engineering, Alexandria University
Alexandria, Egypt

Parallel active filter for harmonics reduction in a solar conversion chain connected to the electrical network with nonlinear loads (ID 409)

CHTOUKI Ihssane
PhD Student, Department of Electrical Engineering,
MOHAMMED V UNIVERSITY IN RABAT,
Morocco

ZAZI Malika
Professor, Department of Electrical Engineering,
MOHAMMED V UNIVERSITY IN RABAT,
Morocco

Engineering Education

Gamifying the Industrial Engineering Profession (ID 347)

Hasan Darwish
School of Industrial Engineering
North West University
Potchefstroom, North West Province, South Africa

Visuospatial Abilities Development of Secondary Vocational School Students (ID 40)

Peter Toth
Trefort Agoston Centre for Engineering Education
Obuda University
Nepszinhaz u. 8, H-1081 Budapest, Hungary

Engineering Management

Evaluating the performance of a production line by the Overall Equipment Effectiveness: An approach based on Best Manufacturing Practices (ID 330)

Jamal Fattah, Latifa Ezzine, Zineb Aman, Abdeslam Lachhab
Research Team: Modeling, Control Systems and Telecommunications
Faculty of Sciences, Moulay Ismail University
P.O. Box 1120, Zitoune, Meknes 50000, Morocco

Awareness of industries toward implementing Concurrent Engineering (CE) culture. Case Study: Jordanian Industries (ID 345)

Mohammad D. AL-Tahat
Industrial Engineering Department
Hijjawi Faculty for Engineering Technology
Yarmouk University
Irbid 21163, Jordan

Entrepreneurship and Innovation

A Framework for National Innovation Determinants (ID 362)

Siham HAMIDI and Abdelaziz BERRADO
Equipe AMIPS - Ecole Mohammadia d'Ingénieurs
Mohamed V University
Avenue Ibn Sina, BP765, Agdal, Rabat, Morocco

Facilities Planning and Management

Systematic Planning Layout and Line Balancing for Improvement in an Armoured Vehicle Manufacturing Plant (ID 415)

Norzima Zulkifli, Ahmad Shah Hizam bin Md Yasir, Faieza Abd. Aziz
Department of Mechanical & Manufacturing Engineering, Faculty of Engineering
University Putra Malaysia
43400 Serdang, Malaysia

Healthcare Systems

Using Ontology as a Decision Support System for Manage Risks in Medicines Supply Chain: Case of Public Hospitals in Morocco (ID 90)

Touria Benazzouz, Abdelwahed Echchtabi and Abdelkabar Charkaoui
University Hassan 1st , Laboratory of Mechanics, Industrial Management and Innovation,
FST Settati, Morocco

Human Factors and Ergonomics

Employee's clustering based on the Big Five Model in a fitness franchising (ID 38)

Anderson Bertarello Fernandes and Michel José Anzanello
Department of Production Engineering and Transportation
Federal University of Rio Grande do Sul
Av. Osvaldo Aranha 99, Porto Alegre, RS 90035-190 Brazil

Guilherme Luz Tortorella and Carlos Ernani Fries,
Department of Production and Systems Engineering
Federal University of Santa Catarina
Campus Trindade, C.P. 476, Florianópolis, SC 88040-900, Brazil

Lean and Six Sigma

Effect of Manufacturing Activities on Lean - Green Management Integration (ID 131)

Lamyaa Mohammed Dawood
Production Engineering and Metallurgy
Department/IE Division
University of Technology / Baghdad

Zuher Hassan Abdullah
Department/ Mechanical Technologies

Technical Institute of Babylon

Lean deployment in SMEs, performance improvement and success factors: A case study (ID 308)

Amine Belhadi
Industrial Engineering Research Team,
Higher School of Technology, Safi
Cadi Ayyad University, Marrakech, Morocco

Fatima Ezzahra Touriki
Department of Industrial Engineering
National School of Applied Sciences, Safi
Cadi Ayyad University, Marrakech, Morocco

Said El fezazi
Industrial Engineering Research Team,
Higher School of Technology, Safi
Cadi Ayyad University, Marrakech, Morocco

Logistics Management

Simulation Analyzes Material Handling Requirements for a Major Automotive Supplier (ID 162)

Gabriel Carreño, Dinesh Patlolla, and Edward J. Williams
Department of Simulation Analysis
PMC
Dearborn, MI 48126, USA

Manufacturing and Design

Application of Product Modularity in Industry: a Case Study (ID 460)

Ahm Shamsuzzoha*, Mahmood Al-Kindi, and Nasr Al-Hinai
Department of Mechanical and Industrial Engineering
Sultan Qaboos University, Muscat, Oman

Modeling and Simulation

Diagnosing Causes of Coal Power Plant Energy Losses Using Bayesian Belief Network (ID 486)

Muhamad Iqbal Felani and Ariyana Nugraha
Research of Power Plant and Primary Energy
PT PLN (Persero) Research Institute, Jakarta, Indonesia

Risk Assessment in LPG Loading Operations by Simulation (ID 179)

Maryam Gallab and Mohamed Tkiouat
LERMA, Engineers' Mohammadia School
Mohammed V-Rabat University, Rabat, Morocco

Hafida Bouloiz
Industrial Engineering Department, LG2I
National School of Applied Sciences, Ibn Zohr University,
Agadir, Morocco

Emmanuel Garbolino
Crisis and Risk research Centre (CRC)
Mines Paris-Tech, PSL University
Sophia Antipolis, France

Operations Management

Relating flexibility of information systems to different planning process styles, information systems architecture and strategy of the organization (ID 173)

Somen Dey
Department of Industrial and Management Engineering
Indian Institute of Technology Kanpur,
Kanpur, India

R.R.K. Sharma
Department of Industrial and Management Engineering
Indian Institute of Technology Kanpur,
Kanpur, India

Operations Research

A Stochastic AHP Method for Bid Evaluation Plans of Military Systems In-Service Support Contracts (ID 35)

Ahmed Ghanmi
Defence Research and Development Canada
Centre for Operational Research and Analysis
Ottawa, Ontario,
Canada, K1A 0K2

New exact method to solve multi-capacitated location problem using set partitioning formulation (ID 466)

Mohammed EL AMRANI
Team ROL
Ecole Nationale Supérieure d'Informatique et d'Analyse des Systèmes - ENSIAS -
Mohammed V University in Rabat
Madinat Al Irfane, BP 713, Agdal Rabat, MOROCCO

Youssef BENADADA
Team ROL
Ecole Nationale Supérieure d'Informatique et d'Analyse des Systèmes - ENSIAS -
Mohammed V University in Rabat
Madinat Al Irfane, BP 713, Agdal Rabat, MOROCCO

Bernard GENDRON
Interuniversity Research Center on Enterprise Networks, Logistics and Transportation - CIRRELT -
Université de Montréal
CP 6128, Succursale Centre-ville
Montréal QC H3C 3J7 CANADA

Production Planning and Management

Managing Changeover Waste in Manufacturing Plants When Using Single Minute Exchange of Dies (ID 59)

Rushil Madhav, Annize Marnewick and Hannelie Nel
Postgraduate School of Engineering Management
University of Johannesburg
Johannesburg, South Africa

Project Management

Towards an Effective Project Portfolio Selection Process (ID 508)

Ghizlane ELBOK
Research team AMIPS
Ecole Mohammadia d'Ingénieurs
Mohammed V University of Rabat, Morocco

Abdelaziz BERRADO
Research team AMIPS

Ecole Mohammadia d'Ingénieurs
Mohammed V University of Rabat, Morocco

Quality Control and Management

Experimental Analysis of Surface Roughness in CNC Taper Turning of Aluminum 6061 Using Taguchi Technique (ID 46)

Sanchay Gupta, Vimanyu Chadha, Vishal Sardana, Viplav Setia, Ranganath M Singari
Department of Mechanical, Production and Industrial Engineering
Delhi Technological University
New Delhi, 110058, India

The Role of Strategic Quality Planning in Continuous Improvement Efforts (CI) – Case of a Short-Term Insurance Company in South Africa (ID 457)

Sambil Charles Mukwakungu
Department of Quality and Operations Management
University of Johannesburg,
South Africa

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

Reliability and Maintenance

Using FMEA Analysis for Assessing Air Conditioners Remanufacturing Processes (ID 536)

Bashir Salah
King Saud University, KSU, Industrial Engineering Department, College of Engineering, P.O. Box 800, Riyadh, 11421, Kingdom of Saudi Arabia

Mohammed Alkahtani
King Saud University, KSU, Industrial Engineering Department, College of Engineering, P.O. Box 800, Riyadh, 11421, Kingdom of Saudi Arabia

Aiman Ziout
Department of Mechanical Engineering, College of Engineering, UAE University, Al-Ain,
United Arab Emirates

Supply Chain Management

Proposed Performance Evaluation Framework for Assessing and providing Approximate Dimensioning of Supply Chains: Case Study of Public Pharmaceutical Products Supply Chains (ID 507)

Zoubida Chorfi¹, Loubna Benabbou², Abdelaziz Berrado¹,
¹Equipe AMIPS, ²Equipe MOAD-SCM, Ecole Mohammadia d'Ingénieurs,
Mohammed V University of Rabat, Morocco

Sustainability and Green Systems

Sustainable Distribution Networks Adoption in Moroccan industry: barriers and instigators (ID 136)

Hajar Deqqaq and Abdellah Abouabdellah
Laboratory Systems Engineering, Research team ' Modelling and Optimization of the Industrial and logistic Systems '
MOSIL, National School of Applied sciences, Ibn Tofail university, Kenitra Morocco

Sustainable Manufacturing

An Environmental Friendly Optimizer for Landscape Design (Envo- Land) (87)

Ossama Hosny
The American University in Cairo (AUC)
Egypt

Transportation and Traffic

Improving Distribution Efficiency to Increase Agility: An Application to a Mexican Company (ID 302)

Bernardo Villarreal, Ilse-Valeria Benavides-Peña, Valeria Garza-Amaya & Cecilia Garza-Madero
Universidad de Monterrey
San Pedro Garza García, N.L., México 66238

Usage of Non-Linear Regression for Modeling the Behavior of Motor Vehicle Crash Fatality (MVF) Rate (ID 438)

Galal M. Abdella
Qatar Transportation and Traffic Safety Center (QTTSC)
Qatar University, Doha – Qatar

Wael Alhajyaseen
Qatar Transportation and Traffic Safety Center (QTTSC)
Qatar University, Doha – Qatar

Khalifa N. Al-Khalifa
Qatar Transportation and Traffic Safety Center (QTTSC)
Department of Mechanical and Industrial Engineering
Qatar University, Doha – Qatar

Abdel Magid Hamouda
Qatar Transportation and Traffic Safety Center (QTTSC)
Department of Mechanical and Industrial Engineering
Qatar University, Doha – Qatar