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2023 IEOM Vietnam Awards

4th Asia Pacific International Conference on Industrial Engineering and Operations Management, Ho Chi Minh City, Vietnam, September 12-14, 2023

Host and Venue: CFVG-HCM, University of Economics Ho Chi Minh City

Co-Hosts: University of the West of England, Birmingham City University and Universitas Sebelas Maret

<http://ieomsociety.org/ieom/awards/>

Distinguished Industry Leadership Award

Ms Jen Vu Huong
Community Program Director, BK Holdings
Founder, Chairperson and Coach, Hanoi Entrepreneur Community
Vietnam

Mr. Stan Weonsuk Lee
General Director
DAEHONG Communications Vietnam (LOTTE Group)
Ho Chi Minh City
Vietnam

Mr. Nguyen Thanh Nha
General Director
Tan Cang – SCT Human Resource Development LLC
Vietnam

Distinguished Academic Leadership Award

Prof. Dr. Vikas Kumar
Associate Dean for Research Innovation and Enterprise
Faculty of Business, Law and Social Sciences
Birmingham City University
Birmingham, UK

Dr. Từ Văn Bình
Associate Professor
CFVG – European Excellence in Management Education
Director of Executive Education Program (EXED)
Program Manager of Master in Marketing, Sales and Services (MMSS)
Vice Dean of Graduate School of University of Economics Ho Chi Minh City
Vietnam

Prof. Ho Viet Tien
Co-Director of CFVG HCMC
University of Economics Ho Chi Minh City
Vietnam

Dr. Linh Duong
Senior Lecturer in Operations Management
Bristol Business School
Faculty of Business and Law (FBL)
University of the West of England
UK

Dr. Ir. Wahyudi Sutopo
Professor
Industrial Engineering Department
Universitas Sebelas Maret (UNS)
Surakarta, Indonesia

Outstanding Researcher Award

Dr. Anabela Soares
Senior Lecturer in Strategy & Operations Management
Programme Leader for the MSc in International Management
University of the West of England
Bristol, UK
Anabela.Soares@uwe.ac.uk

Dr. Linh Duong
Senior Lecturer in Operations Management
Bristol Business School
Faculty of Business and Law (FBL)
University of the West of England
UK

Distinguished Educator Award

Prof. Fabien De Geuser
Director CFVG
French Vietnamese School of Management
HCMC, Vietnam

Dr. Hendro Sasongko, Ak., MM.,CA
Dean, Faculty of Economics and Business
Universitas Pakuan
Bogor Indonesia

Dr. Asep Denih, S.Kom., M.Sc., Ph.D.
Dean, Faculty of Mathematics and Natural Sciences
Universitas Pakuan
Bogor Indonesia

Distinguished Professor Award

Dr.-Ing. Savas Tumis
Professor in Marketing and Entrepreneurship
CFVG, Vietnam
Technical University of Berlin, Germany
Vietnamese German University, Vietnam

Harto Tanujaya, ST., MM., Ph.D.
Dean of the Faculty of Engineering
Universitas Tarumanagara

Jakarta, Indonesia

Outstanding Professor in SCM Award

Prof Vikas Kumar
Professor of Operations and Supply Chain Management
Faculty of Business Law and Social Sciences
Birmingham City University
Birmingham, United Kingdom

Outstanding Professor in Logistics

Prof. Yigit Kazancoglu
Vice Rector and Full Professor of Logistics Management
Yasar University
Turkey

Outstanding Professor in Business Management

Prof. Siwarit Pongsakornrungruangsilp
Associate Professor of Marketing
School of Management
Walailak University
Thailand

Outstanding Professor in Operations Management Award

Prof. Chandan Chowdhury
Senior Associate Dean and a Practice Professor of Operations Management and Information Systems
Indian School of Business (ISB)
Mohali, India

Teaching, Learning and Assessment Award

Dr. Robert Radics
Senior Lecturer
Department of Global Supply Chains and Trade
Lincoln University
New Zealand

Dr. Muhammad Isnaini Hadiyul Umam
Lecturer at Industrial Engineering
UIN Sultan Syarif Kasim Riau
Indonesia

Outstanding Professor in Agribusiness Education

Dr. Dina Nurul Fitria, S.E., M.T., CSCA, CRP
Head of Agribusiness Department
Universitas Trilogi
Jakarta, Indonesia

Woman in Industry and Academia Award

Ms Huỳnh Hương Thảo Nguyễn
Vietnam

Endang Noerhartati

Vice Rector
Associate Professor at Agroindustrial Technology Department
Universitas Wijaya Kusuma
Surabaya Indonesia

Early Career Researcher Award

Dr Archana Kumari
Lecturer in International Business
Bristol Business School,
University of the West of England, United Kingdom

Engineering Education Award

Dr. Fitra Lestari
Vice Dean for Academic Affairs in Faculty of Science and Technology
Professor in Industrial Engineering Department
Universitas Islam Negeri Sultan Syarif Kasim Riau, Indonesia

Global Engineering Education Award

Dr. Abdul Talib Bon
Professor, Department of Production and Operations Management
Universiti Tun Hussein Onn Malaysia

Global Business Management Education Award

Dr. Pimlapas Pongsakornrunsilp
Assistant Professor of Tourism Management
Walailak University
Thailand

Manufacturing Engineering Education Award

Dr. Kinnalesh VONGCHANH
Senior Lecturer / Research and Head of Thermal Lab
Department of Industrial and Mechanical Engineering (GIM)
Institute of Technology of Cambodia (ITC), Phnom Penh, Cambodia

Global Supply Chain and Logistics Award

Dr. Ozlem Bak
Senior Lecturer in Operations Management
Brunel Business School
Brunel University
UK

Outstanding Industry Solutions Award

Arya Dwi Paramita
Vice President of Corporate Secretary
PT Pertamina Hulu Energi (PHE)
Jakarta, Indonesia

Lean Six Sigma Award

Tram (Thanh) Do
Merchandise Specialist

Intradin (Shanghai) Machinery Co. Ltd.
Vietnam

Distinguished Leadership Award

Prof. Fabien De Geuser
Director CFVG, French Vietnamese School of Management
HCMC, Vietnam

Dr. Sabri Bin Mohamad Sharif
Deputy VC Student and Alumni Affairs
Universiti Teknikal Malaysia (Melaka), Malaysia

Outstanding Student Chapter Faculty Advisor Award

Dr. Ir. Hj. Yuany Farradia, MSc, Sr.
Lecturer, Faculty of Economics and Business
Universitas Pakuan
Bogor Indonesia

Outstanding Student Chapter Leadership Award

Dr Pham Minh Vu, CFVG-HCM, Vietnam
President, IEOM Student Chapter at CFVG, Ho Chi Minh City, Vietnam

Karina Tri Cahya Wulandari
President, IEOM Student Chapter at Universitas Pakuan, Bogor Indonesia

Chapter Certificate

IEOM Student Chapter at Universitas Pakuan, Bogor, Indonesia
IEOM Student Chapter at CFVG, Ho Chi Minh City, Vietnam

Outstanding Student Conference Volunteer Leadership Award

Tu Ngo Dan Thu
Doan Thien Phuc
Le Hoang Phuc
Nguyen Phuc Phuong Nghi
Nguyen Pham Tuyet Nhi
Dinh Viet Phat
Tran Tuan Hoang
Anas Al

Competition Winners

Undergraduate Student Paper Competition Sponsored by Siemens (Virtual)

First Place

ID 254 Analysis of Priority Decision Rules Using MCDM Approach for A Dual-Resource Constrained Flexible Job Shop Scheduling by Simulation Method
Cao Hoang Bao Long, Pham Hoang Nam Quynh, Pham Huynh Tram and Ha Thi Xuan Chi, School of Industrial Engineering and Management, International University, Ho Chi Minh City, Vietnam

Second Place

ID 59 Handy Fix: A Service Design for a Location-Based Mobile Application for Acquiring On-Demand Local Handyman Services in Metro Manila

Allyssa Tandoc, Sophia Anne Marie Arguinoso, Sheila Carungay and Karen Tafalla, Department of Industrial Engineering, College of Engineering, Adamson University, Manila, Philippines

Third Place

ID 253 Improving Forecast Accuracy with Hybrid Time Series Forecasting and Machine Learning Methods A Case Study of a Pharmaceutical Company

Diep Tran Thao Vy, Pham Huynh Tram and Ha Thi Xuan Chi, School of Industrial Engineering & Management, Ho Chi Minh City, Vietnam

Supply Chain and Logistics Competition

First Place

ID 158 Flexible Decision Framework for Resilient Closed Loop supply Chain Network

Jitender Madaan, Professor, Operations and Supply Chain Management, Department of Management Studies, Indian Institute of Technology, Delhi, India
Parikshit Charan, Associate Professor, Operation Management, Indian Institute of Management Raipur India

Second Place

ID 167 Unraveling Risks and Resonance in Service-Oriented Manufacturing Supply Chains

Huy Truong Quang, RMIT Vietnam, Vietnam

Third Place

ID 172 Digital Transformation of Deelivery System- A Supply Chain Model for Smart Chittagong Port

Rear Admiral M. Sohail, Commodore M Fazlar Rahman, Lt Commander Nezam (retd), Major Md Wahidul Haque, Chittagong Port Authority, Bangladesh

Graduate Student Paper Competition sponsored by Eaton (Virtual)

First Place

ID 302 From Theory to Practice: The Impact of 3D Printing on Supply Chain Configurations and Cost Efficiency - A Case Study from Germany

Mohamed Osman, Transport systems and logistics, Faculty of Engineering, University of Duisburg-Essen, 47058 Duisburg, Germany
Sijia Cui, Anhui Xinhua University, China
Ziye Tian, Transport systems and logistics, Faculty of Engineering, University of Duisburg-Essen, 47058 Duisburg, Germany
Ahmed Tarek El-Said, University of Warwick, CV4 7AL Coventry, United Kingdom

Second Place

ID 52 Safe Evacuation Routes in Inundated Situations ~Assessment of a Lowland District in Eastern Tokyo

Ko Inoue, Graduate School of Science and Engineering, Hosei University, Tokyo 184 8584, Japan
Daiki Ito, LTS, Inc., Tokyo 107-0051, Japan
Daiki Okamura, Toho System Science Co., Ltd., Tokyo 112-0002, Japan
Hiroyuki Goto, Department of Industrial and Systems Engineering, Hosei University, Tokyo 184 8584, Japan

Third Place

ID 289 Improvement proposal applying Lean Manufacturing in a Mype: Case Study in a Dental Center

Amelia Nicold Arias-Perez and Rosario Susana Aguilar-Valero, Students, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú

Rafael Chavez Ugaz, Research Professor, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú

ID 62 A Study of Technopreneurship on Market Penetration and Product Development (Case Study PT. Batex Energi Mandiri)

Cindy Saraswati, Master Program of Industrial Engineering Department, Faculty of Engineering Universitas Sebelas Maret, Surakarta, Indonesia
Wahyudi Sutopo, Professor, Department of Industrial Engineering, Head of Industrial Engineering and Techno-Economics Research Group, Universitas Sebelas Maret (UNS), Surakarta, Indonesia
President, IEOM Indonesia Chapter
Renny Rochani, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

Masters Thesis Competition (Virtual)

First Place

ID 230 The influence of determinants of citizen relationship quality in e-Government adoption

Trang Thi Uyen Nguyen and Phuong Van Nguyen, Center for Public Administration, International University, Vietnam National University-Ho Chi Minh City, Vietnam

Linh Phuong Le, The School of Economics, Finance and Accounting, International University, Vietnam National University-HCMC, Vietnam

Hien Thi Ngoc Huynh, The School of Business, International University, Vietnam National University-Ho Chi Minh City, Vietnam

Second Place

ID 46 Maize Crop Yield Prediction Model Using Machine Learning

Thobekile Chigwada, Mary Dzinomwa, Belinda Ndlovu, Khulekani Sibanda and Sibonile Moyo, Department of Informatics and Analytics, National University of Science and Technology, Bulawayo, Zimbabwe

ID 166 Covid-19 Response Efficiency Rating of Central Visayas Region, Philippines: A Data Envelopment Analysis Approach

C. K. A. Ocan and C.A.M. Cabanlit, Department of Industrial Engineering, Cebu Institute of Technology – University, Cebu City, Philippines

Third Place

ID 173 Building a Model of Work Productivity in the Mining Industry: The Effect of Work Pressure Mediated by Job Satisfaction

Indah Puspita Sari, Master Student of Management, Postgraduate Program, Universitas Bina Darma, Palembang, Indonesia

Muji Gunarto, Management Department of Economics and Business Faculty, Universitas Bina Darma, Palembang, Indonesia

ID 211 The Influence of Construction Safety and Government Policies on Work Productivity of Flyover Projects

Danial Firdaus, Civil Engineering master's Student, Universitas Bina Darma, Jl. Jend. A Yani No 3A Plaju, Palembang, South Sumatera, Indonesia

Firdaus Firdaus, Department of Civil Engineering, Universitas Bina Darma, Jl. Jend. A Yani No 3A Plaju, Palembang, South Sumatera, Indonesia

Muji Gunarto, Assoc. Prof., Department of Management, Universitas Bina Darma, Palembang, South Sumatera, Indonesia

Undergraduate Research Competition Sponsored by Daikin Applied

First Place

ID 291 Analyzing Operation Plan of Ho Chi Minh City's Bus Rapid Transit System

Tran Huynh Diem Phuong, Phan Thi Ngoc Anh, Pham Huynh Tram and Ha Thi Xuan Chi, School of Industrial Engineering and Management, Vietnam National University - International University, Ho Chi Minh City, Vietnam

Second Place

ID 324 Replacement Operational Cost Analysis to Increase Cost Efficiency of Decoration Flower Small Medium Enterprise

Michael William, Lina Gozali and Frans Jusuf Daywin, Tarumanagara University, Indonesia

ID 74 Development of Food Container with Spoilage Detector

Jan Marielle I. Bidayan, Arjen Guila C. Cruz, John Rei C. Garchitorena, Erika Mae, P. Ople, Carl Joseph C. Quintana and Jaypy T.

Tenerife, Industrial Engineering Program, College of Engineering and Architecture, Technological Institute of the Philippines, Quezon City, Philippines

Third Place

ID 56 Ergo Let: The Solution to the Adversity of Senior Citizens and Persons with Disabilities in Accessing the Conventional Public Utility Toilet Bowl in Metro Manila

Dantes, Mac Friedrich R., Garcia, Antonio Mari C., Gonzalez, Carlo C., Halog, John Matthew G., Paguio, Alliyah Jade B. and Santos, Marinell M., Department of Industrial Engineering, College of Engineering and Architecture Technological Institute of the Philippines – Quezon City, Philippines

Ma. TeodoraE. Gutierrez, Department of Industrial Engineering, College of Engineering and Architecture Technological Institute of the Philippines – Quezon City, Cubao, Quezon City, Philippines

Senior Design Project Competition

First Place

ID 136 Helpy: A Mobile Application System for Engineering and Architecture Tools Rental Business

Angel Shaine N. Martin, Christine Joy V. Olanosa and Mary Jo M. Santiago, Industrial Engineering Department, Technological Institute of the Philippines – Manila, Philippines
Dr. Maria Teresa B. Mendoza, PIE, ASEAN Eng., Industrial Engineering Department – Adviser/ IE Program Chairperson, Technological Institute of the Philippines, Philippines

Second Place

ID 322 Ergonomic Adjustable chair as an Innovative Product Design Using Water Hyacinth Waste
Ronaldo Setiawan, Frans Jusuf Daywin and Lina Gozali, Tarumanagara University, Indonesia

Third Place

ID 169 Filtrar: A Canal Solid Waste Collector and Compactor Machine
Jhia Angelyck Mavy R. Cruz, Thea G. Espinueva, Vincent Matthew F. Labrador, Industrial Engineering Department, Technological Institute of the Philippines - Manila
Maria Teresa B. Mendoza, Industrial Engineering Department – Adviser, Technological Institute of the Philippines – Manila

Lean Six Sigma Competition sponsored by Tooling Tech Group

First Place

ID 201 Process Improvement in A Company Manufacturing Computer Assembly to improve the service level indicator using SMED, Six Sigma and Poka Yoke
Carla Alexandra Dongo Moreno, Luis Alberto Malpartida Velasquez and Alberto Flores-Perez, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima, Perú

Second Place

ID 301 Safety Stock Control to Minimize Bullwhip Effect at Casting Pump Manufacturing
Megalita Permata Putri, Lina Gozali and Juliana Kristina, Industrial Engineering, Universitas Tarumanagara, Jakarta, Indonesia

ID 149 Applying Lean Thinking to Improve Processes in Low Volume/High Complexity Industry: Part I
Dave Olson, Jones Metal, Inc., 3201 3rd Ave., Mankato, MN 56001, USA
Naim Islam and Kuldeep Agarwal, Department of Automotive and Manufacturing Engineering Technology, Minnesota State University, Mankato, MN 56001, USA

Third Place

ID 112 Six Sigma Application to Reduce Variance in Turnaround Time for Fertilizer Analysis
Mohd Kamaruddin Jaffar, Chemist, R&D and Agricultural Services, Johor Plantations Berhad, Central Analytical Laboratory, Johor Plantations Berhad, Kota Tinggi, Johor, Malaysia
Azianti Ismail, Associate Professor, Smart Manufacturing Research Institute (SMRI), Universiti Teknologi MARA, Shah Alam, Selangor, Malaysia

Simulation Competition

First Place

ID 323 Production Floor Re-Layout Design of Packaging Company Using Systematic Layout Planning and Computerized Relationship Layout Planning Methods
Vanecia Marchella Hardinanerl, Lina Gozali and Lamto Widodo, Tarumanagara University, Indonesia

Second Place

ID 185 Understanding household water-use behaviour in Limpopo rural areas, of South Africa
I. Mafanya, PhD Candidate, Department of Mechanical and Industrial Engineering Technology, University of Johannesburg, South Africa
D.V.V Kallon, Associate Professor and Head of Quality Assurance, Department of Mechanical and Industrial Engineering Technology, University of Johannesburg, South Africa

Third Place

ID 132 Gaming with Connection
Natasha MoniqueM Purvis, Lanz Eugene Agdeppa Dagdag and Gabriel Dela Cruz Santos, College of Computer Studies, Angeles University Foundation, Angeles City, Philippines
Joyce V. Macaspac, College of Computer Studies, Faculty, Angeles University Foundation, Angeles City, Philippines

ID 213 Simulation Model Vis-à-vis Hurricane Impacts through Emergency Response System
Ketut Gita AYU, School of Computing, Informatics, and Decision Systems Engineering, Arizona State University, Tempe, Arizona, USA
Kristian Edi Nugroho SOEBANDRIJA, Industrial Engineering Department, Faculty of Engineering, Bina Nusantara University, Jakarta, Indonesia

Poster Competition

First Place

ID 299 Operation Efficiency in the F&B Enterprise through Digitalization and Cloud Kitchen Integration: A Systematic Literature Review

Karina Tricahya Wulandari, Mutiara Ayu Mukti and Kiren, Department Faculty of Economics and Business, Pakuan University, Indonesia

Second Place

ID 170 Multi-Depots Capacitated Vehicle Routing Problem: A Case Study of Rice Distribution System in Mekong River Delta

Ly Van Tran, School of Industrial Engineering and Management, International University - Vietnam National University, Ho Chi Minh City, Vietnam

Third Place

ID 43 Performance Evaluation of Artificial Intelligence in Decision Support System for Heart Disease Risk Prediction

Nyasha W.C Mukura and Belinda Ndlovu, Department of Informatics and Analytics, National University of Science and Technology, Bulawayo, Zimbabwe

ID 300 Strategic Decisions Making Analysis of the 2015 Paris Climate Change Negotiation

Abdullah Alrabghi, Yasir Aljefri, Nawaf Sahli, Khalid Atallah and Abdulrahman Alsharef, Department of Industrial and Systems Engineering, University of Jeddah, Jeddah, Saudi Arabia

Undergraduate Student Paper Competition sponsored by Siemens (Onsite)

First Place

ID 252 Home Health Care Routing and Scheduling Problem for Newborns and Mothers: A Case Study in Ho Chi Minh City

Nguyen Thuy Bich Ngoc, School of Industrial Engineering and Management, International University, Thu Duc City, Viet Nam
Ha Thi Xuan Chi, School of Industrial Engineering and Management, International University, Thu Duc City, Viet Nam
Pham Huynh Tram, School of Industrial Engineering and Management, International University, Thu Duc City, Viet Nam

Second Place

ID 285 Factors Influencing the Adoption of Online Advertising within Podcast Episodes among Generation Z in Ho Chi Minh City (Vietnam)

Tu Ngo Dan Thu, Undergraduate student, UEH-International School of Business, 17 Pham Ngoc Thach Street, Vo Thi Sau Ward, District 3 Ho Chi Minh City, Vietnam

ID 70 Optimizing Location of Public Electric Vehicle Charging Stations for Electric Motorcycles: A Case Study of Surakarta City

Hilmi Septabiyya, Undergraduate Student, Department of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Central Java, Indonesia
Wahyudi Sutopo, University Centre of Excellence for Electrical Energy Storage Technology Department, Faculty of Engineering Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Universitas Sebelas Maret, Surakarta, Central Java, Indonesia

Third Place

ID 286 Sustainable Supplier Evaluations and Order Allocation with Multiple Products using Machine Learning

Huynh Uyen My, School of Industrial Engineering and Management, International University-VNU-HCM, Thu Duc City, Viet Nam
Ha Thi Xuan Chi, School of Industrial Engineering and Management, International University-VNU-HCM, Thu Duc City, Viet Nam
Pham Huynh Tram, School of Industrial Engineering and Management, International University -VNU-HCM, Thu Duc City, Viet Nam

ID 131 Effectiveness of Virtual Work Immersion: A Descriptive-Correlational Study Among Extended Senior High School Graduates

Thea G. Espinueva, Vincent Matthew F. Labrador, Angel Shaine N. Martin, Christine Joy V. Olanosa and Mary Jo M. Santiago, Industrial Engineering Department, Technological Institute of the Philippines – Manila, Philippines
Janina Elyse A. Reyes, Industrial Engineering Department – Adviser, Technological Institute of the Philippines – Manila, Philippines

Doctoral Dissertation Competition

First Place

ID 176 Empirical Investigation of the Supply chain 4.0 Adoption in Vietnam

Giang Nguyen, Anabela Soares and Linh Duong, College of Business and Law, University of the West of England, Bristol BS16 1QY, UK
Vikas Kumar, Professor, Faculty of Business, Law and Social Sciences, Birmingham City University, Birmingham B5 5JU, UK

Second Place

ID 133 A Contextual Relationship Structural Model for Practicing Lean Production System in Indian SME

S. Bharath Sankar and Muthu Mathirajan, Department of Management Studies, Indian Institute of Science (IISc), Bangalore, Karnataka 560012, India

ID 129 LPG Cylinder Delivery Authentication using Artificial Intelligence in Last Mile Delivery

Prithvirajan D and Mathirajan M, Department of Management Studies, Indian Institute of Science, Bangalore 560012, India

Third Place

ID 130 A Comparative Analysis of Heuristic Methods for Facility Location and Allocation of Buses to Facilities in Urban Road Transportation Systems

Rupkatha Ghosh and M. Mathirajan, Department of Management Studies, Indian Institute of Science, Bangalore 560012, India

Graduate Student Paper Competition (Onsite)

First Place

ID 257 Process Level with Time Delay Control Using Smith Predictor and Fuzzy PI Controller

Trong Tai – Nguyen and Quang Phat – Tran, Dr., Faculty of Electrical & Electronics Engineering, Department of Control & Automation, VNU-HCM Ho Chi Minh City University of Technology (HCMUT), Vietnam National University Ho Chi Minh City, VietNam

Second Place

ID 49 The Role of Technopreneur and Innovation System to Increase the Adoption of Marketplace: A Case Study PT ABC in Indonesia

Sayyidah Maulidatul Afraah and Renny Rochani, Master Program of Industrial Engineering Department, Universitas Sebelas Maret, Surakarta 57126, Indonesia

Wahyudi Sutopo, Master Program of Industrial Engineering Department, Universitas Sebelas Maret

Centre of Excellence for Electrical Energy Storage Technology, Universitas Sebelas Maret, Surakarta 57126, Indonesia

Third Place

ID 61 Industrial Wastewater Treatment in Latin America and Europe: Methods and Applications. A Systematic Review of the Literature

Gianfranco Julinho Hidalgo Salhuana, Valeria Paola Hip Salazar and Luis Jesús Córdova Aguirre, Faculty of Engineering and Architecture Industrial Engineering, Career University of Lima, Lima, Peru

ID 218 Socioeconomic Influence of Big Data in Southern African Development Countries and Sub-Saharan Countries

Tanyaradzwa Machingauta, Master's student, School of Business, Amrita Vishwa Vidyapeetham, Bangalore, India

Masters Thesis Competition (Onsite)

First Place

ID 251 The Impact of Employees' Perceptions of a Learning Organization on Innovativeness in A Healthcare Organization

Nga Do, Minh Nguyen, Tri Nguyen and Tuong Ho, My Duc Hospital, HOPE Research Center, Ho Chi Minh City, Viet Nam
Kiet Nguyen, Can Tho University, Can Tho, Viet Nam

Second Place

ID 338 Disaster Risk Analysis in the Implementation of the Core Construction of the Kuwil Kawangkoan Dam in North Minahasa District, North Sulawesi Province

Putu Ika Wahyuni, I Wayan Parka and I Wayan Muka, Infrastructure and Environmental Engineering Master's Study Program, Postgraduate, Warmadewa University, Indonesia

COVID-19 Analytics Competition

First Place

ID 166 Covid-19 Response Efficiency Rating of Central Visayas Region, Philippines: A Data Envelopment Analysis Approach

C. K. A. Ocan and C.A.M. Cabanlit, Department of Industrial Engineering, Cebu Institute of Technology – University, Cebu City, Philippines

Best Track Papers

Industry 4.0 Best Track Paper

ID 184 Sustainability Synergies and Trade-offs of a Thai Metal Manufacturing Company

Vichathorn Piyathanavong, School of Manufacturing Systems and Mechanical Engineering (MSME), Sirindhorn International Institute of Technology (SIIT), Thammasat University, 99 Moo 18, Paholyothin, Khlong Luang, Pathum Thani 12120, Thailand

School of Knowledge Science, Japan Advanced Institute of Science and Technology, 1-1 Asahidai, Nomi, Ishikawa, 923-1292, Japan

Van-Nam Huynh, School of Knowledge Science, Japan Advanced Institute of Science and Technology, 1-1 Asahidai, Nomi, Ishikawa, Japan

Jessada Karnjana, National Electronics and Computer Technology Center (NECTEC), National Science and Technology Development Agency (NSTDA), 111 Thailand Science Park (TSP), Phahonyothin, Khlong Luang, Pathum Thani 12120, Thailand

Sun Olapiriyakul, School of Manufacturing Systems and Mechanical Engineering (MSME), Sirindhorn International Institute of Technology (SIIT)

Thammasat University, 99 Moo 18, Paholyothin, Khlong Luang, Pathum Thani 12120, Thailand