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IEOM Awards – 3rd African IEOM Nigeria Conference, April 7, 2022

Distinguished Academic Leadership Award

Prof. Charles Arizechukwu Igwe, Vice-Chancellor, University of Nigeria Nsukka
Professor Charles Mbohwa, Pro-Vice Chancellor Strategic Partnerships and Industrialisation, University of Zimbabwe, Harare, Zimbabwe
Prof Abiodun Adebayo, Vice-Chancellor, Covenant University Ota, Ogun State Nigeria

Distinguished Industry Leadership Award

Engr. Prof. Edmund C. Okoroigwe Chairman, Nigeria Society of Engineers, Nsukka Branch
Prof. Toyin Ashiru, CEO, Tricontinental Oil, Ikeja, Lagos Nigeria
Engr. Dr. Patricia N. Opene-Odili Nil, 8th APWEN President (Association of Professional Women Engineers of Nigeria)
Engr Tasiu Saad Gidari-wudil FNSE, D., President, Nigeria Society of Engineers

Distinguished Educator Award

Prof. Elizabeth S. Bosire Abenga, Director Pan African University Institute for Governance, Humanities and Social Sciences (PAUGHSS), Yaounde, Cameroon

Distinguished Professor Award

Engr. Prof Salami Olasunkanmi Salami, Professor, Federal University of Agriculture, Abeokuta
Professor Emeka Simon Obe, Ergonomist and Professor of Mechanical Engineering (Ergonomics). Immediate past Dean, College of Engineering Federal University of Agriculture Abeokuta Ogun State Nigeria
Prof. Nana Sarfo Agyemang Derkyi, PhD, Dean, School of Engineering Department of Energy and Petroleum Engineering, University of Energy and Natural Resources, Sunyani, Ghana

Outstanding Professor Award in Engineering Management

Engr. Prof Adeniyi Olayanju, immediate past Vice Chancellor of Landmark University, Omu Aran Kwara State and presently The Pioneer Vice Chancellor, Philomath University Abuja Nigeria

Outstanding Professor in Healthcare Systems

Prof Oluwatoyin Agboola, Deputy Vice Chancellor (Academics) of Olabisi Onabanjo University Ago Iwoye Ogun State.

Outstanding Professor in Logistics and Supply Chain

Ms Sebonkile Thaba, Lecturer, Department of Transport and Supply Chain Management, University of Johannesburg, South Africa

Outstanding Professor Award

Prof Keith Carter, Honorary Professor, University of Leicester, United Kingdom

Outstanding Professor in HF

Prof O.E Charles-Owaba (Rtd) Professor of Industrial and Production Engineering, University of Ibadan

Outstanding Researcher Award

Engr Prof. Ojo S.I. Fayomi, Dean, College of Engineering, Bells University of Technology, Ota, Ogun State, Nigeria

Innovation and Entrepreneurship Award

Engr Prof. Emenike. C. Ejigou, Director, Africa Centre of Excellence for Sustainable Power and Energy Development, University of Nigeria Nsukka

Woman in Industry and Academia Award

Engr Felicia N. Aguabata, PhD, Nigeria Airspace Management Agency, Murtala Muhammed International Airport, Ikeja, Lagos, Nigeria
Engr Dr Mrs. Edith Y. Ishidi, Director of Research, Business Development, Consultancy and Collaboration, Sheda Science and Technology Complex, Federal Ministry of Science, Technology and Innovation, Abuja Nigeria
Engr. Dr (Mrs) Funmilade Akingbagbohun, Mechanical Engineer, STEM advocate, innovation & Creativity Advocate, National Chairman of Nigerian Institution of Mechanical Engineers

Global Engineering Education Award

Engr. Dr Adekunle Ibrahim Musa-Olokuta, Olabisi Onabanjo University Ago Iwoye Ibobun Campus Ogun State Nigeria

Global Business Management Education Award

Prof. Vincent Onodugo, PhD, Professor of Management, Dean, Faculty of Business Administration University of Nigeria, Enugu Campus, Nigeria

IEOM Industry 4.0 Award

Dr. Stanley Chinedum Nwoji, Professor of EBusiness and Entrepreneurship at the Harrisburg University of Science and Technology at Harrisburg, PA, United States of America

Dr. T. Mushiri, Department of Industrial and Mechatronics Engineering Faculty of Engineering & the Built Environment (FEBE) University of Zimbabwe, Mt Pleasant, Harare, ZIMBABWE

Engr Prof. Ogechukwu N. Iloanusi, Head, Department of Electronics Engineering, UNN, Nigeria

Industry Solutions Award

Dr. Lemma Lessa, Assistant Professor of Information Systems School of Information Science, Addis Ababa University (AAU) Ethiopia

Engr Dr. Izuchukwu F. Okafor, Director, National Centre for Energy Research and Development, University of Nigeria Nsukka

Alpha Robinson, Managing Director at Africa Consulting & Trading (ACT), Former Managing Director Gambia National Water and Electricity Company (NAWEC), Africa Consulting & Trading (ACT), Dakar, Senegal

Teaching Excellence Award in HF

Engr. Prof Adekunle Adebisi, Ergonomist and Rector, Ibadan Polytechnic Ibadan Oyo State

Teaching Excellence Award in OM

Prof Nita I Sukdeo, Head, Department of Quality and Operations Management, University of Johannesburg, South Africa

Teaching Excellence Award in IE

Engr. Prof Rapheal Edokpia, University of Benin

Engr Prof. Emmanuel Ayodeji Oluleye, University of Ibadan

Teaching and Learning Award

Prof. Esther T. Akinlabi, Director, Pan African University for Life and Earth Sciences Institute (PAULESI) Ibadan, Nigeria African Union Commission

Prof Umar Adamu Alhaji, Ibb University Lapai, Nigeria

Outstanding Contribution Award

Tebila Nakelse, PhD, Agriculture Advisor, Ouagadougou, Burkina Faso

Anthony Andrews, Associate Professor, Department of Materials Engineering, KNUST, Kwame Nkrumah' University of Science and Technology, Kumasi, Ghana

Alpha Mamadou Traoré, Environmental Management, Conakry, Conakry Region, Guinea

Mamadou Alouma DIALLO, Mechanical Engineer, Mathematician, Physicist, M.Eng, M.Sc, D.Sc., Carmels Research Institute, Université Cheikh Anta Diop de Dakar (UCAD), Bamako, Mali

Professor Mohd Sanusi Magaji FMESRI, PhD, President at African Association of Entrepreneurship Teachers and Lecturers, Niger

Unisa Conteh, Chief Executive Officer, Hope for African, Freetown, Sierra Leone

Dr.-Ing. Agossou GADEDJISSO-TOSSOU, Agricultural Water Management, Agricultural Economics, Crop modelling, Technische Universität Dresden, Togo

IEOM Outstanding Service Award

Engr. Dr. Paul Amaechi Ozor, UNN, Nigeria

IEOM Society Student Chapter Faculty Advisor Award

Engr Celestine Nnaemeka Achebe

Conference Service Awards

Engr Dr E. C. Okoroigwe

Engr Prof. Gloria I. Ezenne

Dr Adeolu Adeniran

Engr Dr Patrick Akpan

Engr Dr Mrs. Okokpuije Imhade Princess

Engr. Dr Samson N. Ugwu

Engr Noble O. Nweze

Engr Benedict Ugwu

Dr Mariam Kassim Ali

Engr Dr Omolayo Ikumakpai

Dr Japhet Obiko

Dr Ikechukwu Ijeoma Francisca

Completion Awards

Undergraduate Student Paper Competition Sponsored by SIEMENS

First Place Winner

ID 13A Proposed Decision Matrix on Student Engagement for Engineering Online Learning using Factor Analysis and Analytical Hierarchy Process

Lou H. Palacio, Daniella B. Santos, Jeremy V. Santos and Marshal R. Tan Department of Industrial Engineering University of Santo Tomas, EspañaBoulevard, Sampaloc, Manila, 1008, Philippines

JoehannaK. Ngo Department of Industrial Engineering University of Santo Tomas, EspañaBoulevard, Sampaloc, Manila, 1008, Philippines.

Gabriel C. BucuDepartment of Industrial Engineering University of Santo Tomas, EspañaBoulevard, Sampaloc, Manila, 1008, Philippines

Department of Industrial and Systems Engineering, De La Salle University, Taft Avenue, Manila, 1002, Philippines

ID 171 Analysis of Perception and Acceptance on Telemedicine in a Third World Country: A Case Study in the Philippines
Arvin Kester S. Ong, Yoshiki B. Kurata, Sophia Alessandra D.G. Castro, Jeanne Paulene B. De Leon, Hazel V. Dela Rosa, Alex Patricia J. Tomines, Department of Industrial Engineering, Faculty of Engineering, University of Santo Tomas, Philippines, Manila, Philippines
Arvin Kester S. Ong, Yoshiki B. Kurata, School of Industrial Engineering and Engineering Management Mapúa University, Manila, Philippines
658 Muralla St., Intramuros, Manila 1002, Philippines

2nd Place Winner

ID 16 An E-Commerce Marketing Decision Matrix Tool using Consumer-Behavior Analysis during Pandemic
Jonas M. De Leon, Cliff Van Kristiene B. Laoang, Carl Rovick S. Martinez, Kristian, M. Mañibo, and Gabriel C. Bucu Department of Industrial Engineering University of Santo Tomas Manila, Philippines.

3rd Place Winner

ID 167 The Effect of Service Quality and Brand Image on Repurchase Decision (Case Study International Students in Bandung, Indonesia)
Husny Gibreel Musa Saleh, Mahir Pradana, School of Communication and Business, Telkom University, Indonesia

Undergraduate Research Competition

First Place Winner

ID 399 Legal Analysis on Indonesia Food Import Policy Review through TPRM WTO to Prevent an International Trade Dispute.
Putu George Matthew Simbolon, Most Outstanding Student, Faculty of Law, Center for International Law and Human Rights, Universitas Kristen Indonesia, JIMayjen Sutoyo, Jakarta 13630, Indonesia
Hulman Panjaitan, Dean of Faculty of Law, Associate Professor, Faculty of Law, Universitas Kristen Indonesia, Indonesia
Edward ML Panjaitan, Lecturer, Faculty of Law, Center for International Law and Human Rights Universitas Kristen Indonesia, Indonesia
Wilson Rajagukguk, Lecturer, Vice Chancellor for Academics, Faculty of Economics and Business Universitas Kristen Indonesia, Indonesia

ID 247 A study on the assessment of a Proposed Website Application the Block using SWOT Analysis

Kenneth AJ G. Quilantang, Alphonsus Joseph Nicollo R. Magpantay Gabriel Angelo B. Dela Cruz, Grace Lorraine Intal, School of Information Technology, Mapúa University, Makati City, Philippines

2nd Place Winner

ID 378 Application of Analytical Hierarchy Process (AHP) Method in the Comparison of Voice/Speech Recognition and Manual Typing
Lorenzo Caday, Jerome Liwanag, Wajid Mariño, and Rianina D. Borres, School of Industrial Engineering and Engineering Management, Mapua University, Intramuros, Manila, Philippines

ID 174 Predicting Factors influencing Management Leadership among Filipinos in the Service Industry through Multiple Regression Analysis

Yoshiki B. Kurata, Christienne Joie C. Andrada, Mariela Nicole S. Manalo, Errol John Aldrie U. Sunga, Alvin Racks Martin A. Uy, Arvin Kester S. Ong, Department of Industrial Engineering, University of Santo Tomas, España Blvd, 1015, Manila, Philippines

3rd Place Winner

ID 148 Low-cost Dietary Plan for COVID-19 Immunity Response Using Mixed-Integer Linear Programming
Allia Coleen S. De Leon, Camille T. Ninobla, Naomi Joyce S. Sibal, Krizia Mile Joy B. Yu, and Engr. Gabriel C. Bucu, CIE, AAE Department of Industrial Engineering, University of Santo Tomas, Manila, Philippines

ID 42 Comparative Analysis and Evaluation between Traditional and Online Learning in Engineering Education, Focused on Introduction to Engineering

Mary S. Dedel, Daryl N. Magdurulan, Kristian Q. Malaluan and Bea M. Santos, Department of Industrial Engineering, University of Santo Tomas, España Boulevard, Sampaloc, Manila, 1008, Philippines
Asst. Prof. Charmina Lou C. Bautista, MES, Department of Industrial Engineering, University of Santo Tomas, España Boulevard, Sampaloc, Manila, 1008, Philippines

Graduate Student Paper Competition Sponsored by EATON Corporation

First Place Winner

ID 184 Prototyping for an In-month Seed Forecasting System
Eric De Vera Reynoso, Grace Lorraine Intal, School of Information Technology, School of Industrial Engineering and Engineering Management Mapua University Manila, Philippines

2nd Place Winner

ID 188 Proposed Utilities Billing Information Management System using Google Workspace Platform for a Property Management Services Company
Francis Lourdan M. Miña, Grace Lorraine D. Intal, School of Industrial Engineering and Engineering Management, School of Information Technology, Mapúa University, Manila, Philippines.

3rd Place Winner

ID 492 Capital Structure in Indonesian Banking Industry
Dewi Tamara, Executive Master Program, Binus Business School, University of Bina Nusantara, Jakarta Indonesia
Nadia Heraini and Dimas Ivaldi, Young Professional Master Program, Binus Business School, University of Bina Nusantara Jakarta Indonesia

Master Thesis Competition

First Place Winner

ID 362 Analysis of OEE improvements in Blow Molding Machines in the Plastic Packaging Manufacturing Industry using Six Big Losses and FMEA methods
Nanang Sunandar Hadisaputra, Universitas Mercu Buana, Jakarta, Indonesia

Sawarni Hasibuan, Corresponding author, Universitas Mercu Buana, Jakarta, Indonesia

2nd Place Winner

ID 124 Urban Resilience and Sustainability Through Regenerative Urban Agriculture

Dr Jackson Sebola-Samanyanga, Lecturer, Department of Town and Regional Planning, University of Johannesburg, South Africa

Miss SegakwengKhutlapye, Masters Candidate, Department of Town and Regional Planning, University of Johannesburg, South Africa

3rd Place Winner

ID 181 Waste Minimization Through Sustainable Manufacturing

AnelisaKanyisaNokele, Masters Student, University of Johannesburg, Johannesburg, South Africa

Jackson Sebola-Samanyanga, Lecturer-Department of urban and regional planning, University of Johannesburg, Johannesburg, South Africa

Doctoral Dissertation Competition

First Place Winner

ID 349 Evaluation of Elements Affecting the Effectiveness of Maintenance Policies Following the ASME Code and Delay Time Model

Christian IghohorOkontaand Professor Raphael OlumeseEdokpia, Ph.D., Department of Industrial and Production Engineering, University of Benin, Edo State, Nigeria

2nd Place Winner

ID 415 Empirical survey of post-harvest operations constraining Bambara nut utilization

Ikechukwul JEOMA. F. Department of Mechanical Engineering, Michael Okpara University of Agriculture, Umudike, Abia state Nigeria

3rd Place Winner

ID 364 Inherent Factors Affecting the Effectiveness of Maintenance Using Root Cause Analysis. A Case Study

Christian IghohorOkontaand Professor Raphael OlumeseEdokpia, Ph.D., Department of Industrial and Production Engineering, University of Benin, Edo State, Nigeria

Human Factors and Ergonomics Competition

First Place Winner

ID 174 Work-related Factors Influencing Organizational Leadership among Filipinos in the Service Sector through Multiple Regression Analysis

Yoshiki B. Kurata, ChristienneJoie C. Andrada, Mariela Nicole S. Manalo, Errol John Aldrie U. Sunga, Alvin Racks Martin A. Uy, ArdivinKester S. Ong, Department of Industrial Engineering, University of Santo Tomas, España Blvd, 1015, Manila, Philippines

2nd Place Winner

ID 140 Ergonomic Intervention Studies for Productivity Improvement in Small Scale Utensils Manufacturing Industry

Veeresh, Student, Industrial & Production Engineering Department, P.D.A. College of Engineering, Kalaburagi, Karnataka, India.

Qutubuddin S.M., Associate Professor, Industrial & Production Engineering Department, P.D.A. College of Engineering, Kalaburagi, Karnataka, India

Kajal, Aishwarya K., Sampati Bai, Students, Industrial & Production Engineering Department, P.D.A. College of Engineering, Kalaburagi, Karnataka, India

3rd Place Winner

ID 206 Inter-rater Reliability of Manual Anthropometric Measurement of Students of Tertiary Institution in North-West Nigeria

Ademola James Adeyemi, Department of Mechanical Engineering, School of Industrial Engineering, Waziri Umaru Federal Polytechnic Birnin

Kebbi, Kebbi State Nigeria, Department of Mechanical Engineering, Usmanu Danfodiyo University, Sokoto, Sokoto State Nigeria

Olusegun Isa Lasisi, Muyideen Abdulkadir, Department of Mechanical Engineering, Waziri Umaru Federal Polytechnic Birnin Kebbi, Kebbi State Nigeria

Paul Ojile, Department of Architectural Technology, Waziri Umaru Federal Polytechnic Birnin Kebbi, Kebbi State Nigeria.

Simulation Competition

1st Place Winner

ID 366 System-Based Optimization of Pumping Capacity of Centrifugal Pumps

A Stulamani, A Mpoko, O Khumalo, M. E. Matlakala, D. V. V. Kallon, Department of Mechanical and Industrial Engineering Technology, University of Johannesburg, South Africa

2nd Place Winner

ID 367 FEA of the Fire Fighting High-Pressure Centrifugal Pump via the Navier-Stokes Equations

T. Zwane, P. Zikalala, M. E. Matlakala, D. V. V. Kallon, Department of Mechanical and Industrial Engineering Technology, University of Johannesburg, South Africa

3rd Place Winner

ID 24 System Dynamics Modeling and Simulation for Reduction of Scrap and Rework in an Automotive Manufacturing Company

Shelly Mona, Department of Industrial Engineering, Tshwane University of Technology, Pretoria, South Africa

Supply Chain and Logistics Competition

First Place Winner

ID 443 The digital twin model of vehicle containers to provide an ergonomic handling mechanism

Ahmed M. Abed, Associate prof. at Industrial Engineering Department, Zagazig University, Egypt

SamiaElattar, Associate prof. at Department of Industrial & Systems Engineering, College of Engineering, Princess NourahbintAbdulrahman University, Riyadh, Saudi Arabia

Tamer S. Gaafar, Assistant prof. at Computer and Systems Department, Zagazig University, Egypt