



International Conference on Industrial Engineering and Operations Management – A Virtual Conference

Harare, Zimbabwe, December 8-10, 2020

Host: University of Zimbabwe

Website: <http://www.ieomsociety.org/harare2020/>

IEOM Society International is organizing the 2nd African Industrial Engineering and Operations Management Conference in Harare, Zimbabwe during December 8-10, 2020. Conference is planned with hybrid mode (virtual + Onsite) due to current COVID-19 global outbreak. Based on the situation, it could be fully online. IEOM has become a premier international platform and forum for academics, researchers, scientists and practitioners to exchange ideas and provide insights into the latest developments and advancements in the fields of Industrial Engineering and Operations Management. IEOM has successfully organized previous international conferences in Dhaka (2010), Kuala Lumpur (2011), Istanbul (2012), Bali (2014), Dubai (2015), Orlando (2015), Kuala Lumpur (2016), Detroit (2016), Rabat (2017), Bristol, UK (2017), Bogota (2017), Bandung (2018), Paris (2018), Washington DC (2018), Pretoria (2018), Bangkok (2019), Toronto (2019), Riyadh (2019), Dubai (2020) and Detroit (2020).

Some the events and activities that are planned include: keynote speakers, global engineering education, Industry 4.0, industry solutions, women in industry and academia, undergraduate student paper competition sponsored by Siemens, graduate student paper competition sponsored by Eaton, Doctoral Dissertation Competition, Masters Thesis Competition, Simulation competition, senior design project competition, undergraduate research competition, high school STEM competition, undergraduate and graduate poster competition, panel sessions, and awards.

Authors can submit full paper(s) or abstract(s) only. IEOM Society encourages to submit full paper(s).

*All full papers will be subjected to double peer review. Accepted papers will be published in Proceedings and **indexed by Scopus**.*

Tracks: Topics covering industrial issues/applications and academic research include, but are not limited to:

Artificial Intelligence
 Automation and Control
 Business Management
 Case Studies
 Computers and Computing
 Construction Management
 Data Analytics and Big Data
 Decision Sciences
 Defense Management Science
 Design and Analysis
 E-Business and E-Commerce
 Energy
 Engineering Economy
 Engineering Education
 Engineering Management
 Entrepreneurship and Innovation
 Facilities Planning and Management
 Financial Engineering
 Healthcare Systems
 Human Factors and Ergonomics
 Industrial Management
 Information Technology/Information Systems
 Inventory Management
 Lean and Six Sigma

Logistics Management
 Material Flow Cost Accounting (MFCA)
 Modeling and Simulation
 Occupational Safety and Health (OSH)
 Operations Management
 Operations Research
 Product Design and Development
 Product Lifecycle Management
 Production Planning and Management
 Project Management / Program Management
 Quality Control and Management
 Reliability and Maintenance
 Sensors and Sensing Systems
 Service Systems and Service Management
 Smart Mobility
 Software Testing and Quality Assurance
 Statistical Process Control
 Statistics and Empirical Research
 Supply Chain Management
 Sustainability and Green Systems
 Sustainable Manufacturing
 Sustainable Production and Quality Management
 Systems Dynamics
 Systems Engineering

Technology Management
 Total Quality Management
 Transportation and Traffic
 Work Design, Measurement and ISO

Special Tracks

Global Engineering Education (GEE)
 Industry 4.0 – IoT, AI, iCloud
 Industry Solutions
 Women in Industry & Academia (WIIA)
 Panel Sessions

Competitions

Undergraduate Student Paper Competition
 Graduate Student Paper Competition
 Doctoral Dissertation Competition
 Master Thesis Competition
 Undergraduate STEM Research Competition
 Senior Capstone Design Project Competition
 High School & Middle School STEM Competition
 Poster Competition
 Simulation Competition
 Lean Six Sigma Competition
 Logistic Supply Chain Competition

Conference Chair

Professor Charles Mbohwa, Pro-Vice Chancellor Strategic Partnerships and Industrialisation, University of Zimbabwe, Harare, Zimbabwe

Conference Co-Chairs

Professor Mqhele Dlodlo, Vice-Chancellor, National University of Science and Technology (NUST), Ascot, Bulawayo, Zimbabwe

Sponsors and Partners

