



# International Conference on Industrial Engineering and Operations Management

Pretoria, South Africa, October 29 – November 1, 2018

**Venue:** Saint George Hotel, 58 Mkhathshlua Ave, Doornkloof, Pretoria, South Africa

<http://ieomsociety.org/southafrica2018/>

**THEME: Confronting the Realities of Multiple Technology Revolutions in the 21st Century**

IEOM Society International is organizing the 1<sup>st</sup> African International Conference on Industrial Engineering and Operations Management in Pretoria South Africa, October 29 – November 1, 2018. Venue is Saint George Hotel, Pretoria, South Africa. The conference aims to provide a forum for academics, researchers and practitioners to exchange ideas and recent developments in the field of Industrial Engineering and Operations Management. The conference is also expected to foster networking, collaboration and joint effort among the conference participants to advance the theory and practice and identify major trends in Industrial Engineering & Operations Management.

Authors can submit full paper(s) or abstract(s) only for presentations. Abstracts without full academic paper submissions should give opportunities for projects and industrial representatives to share their knowledge and experiences. IEOM encourages submission of full paper(s). All full papers are 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:**

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| Artificial Intelligence                    | Lean and Six Sigma                     | Total Quality Management                         |
| Automation and Control                     | Logistics Management                   | Transportation and Traffic                       |
| Business Management                        | Material Flow Cost Accounting (MFCA)   | Waste Management                                 |
| Case Studies                               | Modeling, Simulation and Visualization | Work Design, Measurement and ISO                 |
| Computers and Computing                    | Occupational Safety and Health (OSH)   | <b>Special Tracks</b>                            |
| Construction Management                    | Operations Management                  | Globally Competitive Rail Manufacturing          |
| Data Analytics and Big Data                | Operations Research                    | Global Engineering Education                     |
| Decision Sciences                          | Product Design and Development         | Appropriate Technology / Industry Solutions      |
| Design and Analysis                        | Product Lifecycle Management           | System Dynamics                                  |
| E-Business and E-Commerce                  | Production Planning and Management     | Women in Industry & Academia                     |
| Energy                                     | Project Management                     | <b>Competitions</b>                              |
| Engineering Economy                        | Quality Control and Management         | Undergraduate Student Paper Competition          |
| Engineering Education                      | Reliability and Maintenance            | Graduate Student Paper Competition               |
| Engineering Management                     | Sensors and Sensing Systems            | Doctoral Dissertation Presentation               |
| Entrepreneurship and Innovation            | Service Systems and Service Management | Master Thesis Competition                        |
| Facilities Planning and Management         | Software Testing and Quality Assurance | Undergraduate Research Presentation              |
| Financial Engineering                      | Statistics and Empirical Research      | Senior Capstone Design Project Competition       |
| Healthcare Systems                         | Supply Chain Management                | Poster Competition                               |
| Human Factors and Ergonomics               | Sustainability and Green Systems       | <b>Awards and Recognitions</b>                   |
| IE / OM in Africa                          | Sustainable Manufacturing              | <b>Exhibitions and Sponsorship Opportunities</b> |
| Industrial Management                      | Systems Dynamics                       |  |
| Information Technology/Information Systems | Systems Engineering                    |  |
| Inventory Management                       | Technology Management                  |  |

**Conference Chairs**

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|---|--|
| Dr. Bolanle Tolulope Abe, Tshwane Univ. of Technology (TUT)     | Prof. Khumbulani Mpfu, Tshwane Univ. of Technology (TUT)     |
| Prof. Mukondeleli Grace Kanakana, Univ. of South Africa (UNISA) | Prof. John Alfred Trimble, Tshwane Univ. of Technology (TUT) |
| Prof Charles Mbohwa, Univ. of Johannesburg (UJ)                 | Prof. Thomas Tengen, Vaal University of Technology (VUT)     |
|   | Prof. Sarma Yadavalli, University of Pretoria (UP)           |

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