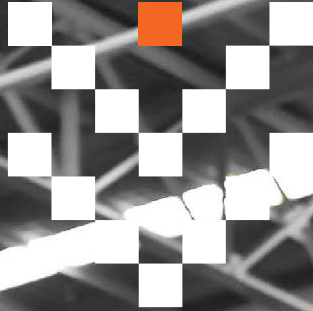**FACULTY OF ENGINEERING AND THE BUILT ENVIRONMENT**

3rd African Operations Management Conference (AOMC) and the 1st Society for Operations Management in Africa (SOMA) Conference

4 – 6 May 2022 (Extended)

University of Johannesburg, Republic of South Africa

<u>Theme:</u>
Sustainable, Innovative and Collaborative
Operations Management Harnessing 4IR in Africa

The Future Reimagined

www.uj.ac.za

The department of Quality and Operations Management at the University of Johannesburg invites you to participatein the 3rd African Operations Management conference and 1st SOMA conference on 4 – 6 May 2022, to be hosted virtually, Johannesburg, South Africa.

The aim of the African Operations Management Conference is to gather operations researchers and industries experts to promote and disseminate cutting-edge research for sustainable, innovative and collaborative operations management harnessing 4IR in Africa. The conference will feature keynote speeches from renowned scientists in the fields of operations research, as well as participation from distinguished speakers from around the world in various disciplines of operations management.

Topics include:

Integrated SHERQ	Production and Operations Management
Papers in this category are to look at and not limited to: • Managing safety in the workplace • Safety Engineering and engineering for safety • Construction safety • Mine safety • Safety Ethics • Occupational Hygiene, Trends in Occupational Health • Ergonomics in the modern workplace, Occupational Incident Management, Managing environmental responsibilities in the workplace • Safety Risk Management • OHS standards: OHSAS18000 & ISO standards (safety, environment & quality) • Integrated SHERQ management • Use of AI in the SHERQ environment	Papers in this category are to look at and not limited to: • Operations strategies • Product and process design • Process management and improving strategies • Operations improvement strategies • Value creation for operations • Operational planning and control activities • Inventory management • Supply chain management • Logistics management • Supply chain performance management and improvement • Procurement (public and private) • Transport management • Asset management and disposal management • Improving performance of production and operations management through AI and Machine Learning

Quality Management and Quality 4.0	Work study
Papers in this category are to look at and not limited to: • Predictive quality and maintenance • Organisational challenges in quality management • Quality and global competitiveness • The integration of quality into supply chain management • Strategic quality policy and goal deployment • Quality models and frameworks for organisational performance • Quality management systems for c ontinual improvement • Quality design, innovation and improvement • Aligning human resource management policies to quality management • Organisational culture and quality teamwork • Enhancing quality through AI and Machine learning • Digitilisation in service industries	Papers in this category are to look at and not limited to: • Method study • Work measurement • Time study • Ergonomics • Lean manufacturing • Productivity • Human Factors in Management and Leadership

Healthcare Supply Chain

Papers in this category are to look at and not limited to:
- 4IR technology to drive down costs with higher consumption of tags (economies of scale) in healthcare supply chain
- Artificial intelligence in healthcare supply chain
- Block chain/DLT applications in healthcare
- Challenges of implementing AI in health care supply chains and possible solutions
- Digital applications and technologies in response to the covid19 pandemic
- Ethics and sustainability in AI in the health care supply chains
- Healthcare delivery as platform ecosystems
- Healthcare supply chains learning from industry 4.0 systems
- Managing changes (change management) in health care supply chains arising from the introduction of AI In operations
- Process and product healthcare innovation based on new digital tools.
- Social innovations and disruptive innovation in healthcare supply chains.
- The future of healthcare supply chain in the 4IR era
- The integration of big data, analytics, and connectivity in healthcare supply chain
- The role of government in promoting the use of AI in health care supply chains
- The role of 4IR to seamless continuum of care delivery (away from the clinic contact model) or Impact of 4IR in healthcare supply chain configuration
- The role of Public Private Partnerships in the 4IR and the implementation of AI In health care supply chains
- Value-based healthcare supply chain models

Office and Administrative Management

Papers in this category are to look at and not limited to:
- Contemporary office management
- Green office and technologies
- Green behaviour
- The role of information technology in the administrative environment
- Human Resources
- Emotional Intelligence
- Contemporary administrative management
- Cultural diversity
- Challenges facing administrative management: public and private sector
- Administrative leadership and its role in human resource development
- Application and impact of AI in the administrative environment

Technology Management

Papers in this category are to look at and not limited to:
- Technology Management Strategies
- Technology Management Principles
- Information/data management
- Innovative Portfolio Management
- Technologies & Business Valuation
- Dynamic Technology Leadership
- Business configuration
- Business Analytics 23

Sustainability, Competitive intelligence, and ethics

Papers in this category are to look at and not limited to:
- Sustainable and Green operations management: alternative production methods
- Green inputs
- Trends in Green
- Sustainability
- Ethics
- Sustainable and green operations management: alternative production methods & green inputs
- 4IR and the impact on employement

Operations Management 4.0

Papers in this category are to look at and not limited to:
- Occupational safety in the organisation
- Organisation of health and safety management
- Lean Operations Management within Manufacturing
- Supply-Chain Sustainability in a Global Crisis
- Lean 4.0 as conduit for sustainable competitive advantage
- Learning Organisation in the time of a pandemic

Project Management Papers in this category are to look at and not limited to: • Project dynamics • Managerial processes and applications • Project performance: monitoring and control • Internet of things Industry 4.0 Big data management Machine learning Security and privacy of IoT Applications of IoT Learning approaches for IoT	

Important dates

- Paper Submission Deadline Extended: **25 February 2022**
- Notification of Acceptance/Rejection: **15 March 2022**
- Early bird registration Deadline: **30 March 2022**
- Final Paper Submission Deadline: **10 April 2022**
- Late Registration Deadline: **20 April 2022**

Important information

- Only electronic submissions will be accepted on or before 25 February 2022. Please submit your paper as early as possible.
- Student papers and presentations are welcome.
- Doctoral Colloquium session will be conducted. Presentations welcome.
- At least one author must register for the conference and attend the conference to present the paper.
- Editing and proof reading of submissions is vital.
- More information about the author guidelines are available on the conference website

Best paper awards

Several papers will be selected for Best Paper Awards. Best Papers will be recognized for their distinction at the conference and authors will be invited to submit their papers for possible inclusion in a Special Edition of the SCieLO indexed journal Acta Commercii. This special edition will be dedicated to the Best Papers of the conference.

Proceedings and Special issues

Proceeding of the conference ISBN for print 978-1-77615-111-0 and online ISBN 978-1-77615-112-7
Will be made available electronically

Submission guidelines

All papers must be original and not simultaneously submitted to another journal or conference. English shall be the official language throughout the meeting.
Each abstract and full paper submission will be subjected to a double-blind peer review.

Full paper

- Please submit full paper that will be reviewed for relevance, technical merit, and clarity.
- Please use the **AOMc2021-template** when preparing your paper for submission. Each paper should not be more than **12 pages.** Please submit the paper in **pdf format.**
- Instruction for final paper preparation will be sent to authors of accepted papers.
- Choose at least ONE primary topic and ONE secondary topic for your paper at the time of submission. The topics must be related to your paper. This information will be used by the committee for assigning appropriate reviewers and scheduling sessions.

- After submission, you may still make as many changes as you wish. However, this must be done before the given submission deadline. After this date, you may no longer edit, re-submit, add co-author, re-order author listing, etc.
- Each submission will be assigned a PAPER ID. Please quote this in all correspondences.
- AOMC reserves the right to exclude a paper from distribution after the conference if the paper is not presented at the conference.

Abstract

- All speakers have to submit an abstract for the conference booklet. The abstract must be written in English of not exceeding 500 words. No figures, photos or illustrations are allowed in the abstract. The inclusion of trade names/brand names is not allowed in the abstract.
- After submission, you may make as many changes as you wish but must be before the submission deadline.
- Only submissions made via the online process will be considered.
- •bstract submissions must include paper title, author(s)' name(s), affiliations, and email address of the Main Author.
- The abstract body should be in text only and may not exceed **500 words.**
- All applications and abstracts will be reviewed for scientific merits.
- Acceptance is on condition that at least one author will register and present the paper at the conference.

Conference Chair

Chair: Prof Nita Inderlal Sukdeo, HOD, Department of Quality and Operations Management, University of Johannesburg, South Africa
Co-chair: Prof Tshilidzi Nenzhelele, COD, Department: Operations Management, University of South Africa, South Africa

Registration fees

Early-bird registration		R2500
Standard registration	30 March 2022	R3000
Late registration	20 April 2022	R3500
Student registration	Proof of registration required	R1500

Contact details

For more information, please visit our conference website: **https://easychair.org/cfp/aomc2021**

You are also welcome to contact Ms Judith Nkuna, if you require additional information at: **aomc2021@uj.ac.za** or **0115591498**