



CALL FOR PAPERS - SPECIAL SESSION

Special Session on Simulation for Decision-making and Journal of Simulation (JOS) Paper Development Workshop

AFROS conference, 3-5 November 2024

Session Chairs:

Navonil Mustafee, University of Exeter Business School, UK (N.Mustafee@exeter.ac.uk)

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Session Description:

The call for papers invites submissions for a special session on modelling and simulation (M&S). Papers should advance simulation theory, methodology, and/or practice. Application papers from domains such as energy, healthcare, manufacturing, supply chain, transportation, etc. are welcome. Studies may focus on conceptual modelling, model formalisms, validation and verification, model implementation and other phases of a simulation study. It is expected that the papers submitted to the session will employ simulation approaches such as discrete-event simulation (DES), system dynamics (SD), agent-based simulation (ABS), and Monte Carlo simulation (MCS). **Studies using analytical/mathematical modelling, machine learning or other OR approaches with computer simulation techniques such as DES, ABS, SD and MCS also fit the scope of the special session.**

Journal of Simulation Paper Development Workshop:

Selected papers from the special session will be invited to submit extended versions of the conference papers to the [Journal of Simulation \(JOS\) Special Issue on Simulation Research in Africa](https://think.taylorandfrancis.com/special-issues/simulation-research-in-africa/). As part of the special session, a JOS Paper Development Workshop will be organized by Professor Mustafee (Joint Editor-in-Chief of JOS) and Professor Sahnoun.

Please refer to the link below for further information on the special issue:

<https://think.taylorandfrancis.com/special-issues/simulation-research-in-africa/>



Topics of interest include, but are not limited to:

- Discrete Event Systems
- Agent-based Simulation
- System Dynamics
- Hybrid modelling and simulation
- Analytical modelling with simulation
- Model checking
- AI tools for simulation
- Robotics & Smart Manufacturing
- Autonomous systems
- Healthcare
- Smart cities

Paper Submission Instructions:

Papers should be submitted online via EDAS (<https://edas.info/N31617>). The submissions should be formatted in IEEE style. The camera-ready version for an accepted paper cannot exceed 5 pages and must be at least 3 pages in length. Standard IEEE conference templates for LaTeX and Word formats are found on the IEEE website. here: <https://www.ieee.org/conferences/publishing/templates.html>

Deadlines:

- Paper submission: June 10, 2024
- Acceptance notification: July 10, 2024
- Submission of publication-ready manuscripts: August 10, 2024
- Conference Dates: November 3 to 5, 2024