![The Operational Research Society logo]

CALL FOR PAPERS

THE OR SOCIETY 12th SIMULATION WORKSHOP (SW25)

Website: www.theorsociety.com/events/simulation-workshop

31st March – 2nd April 2025

Mercure Exeter Rougemont Hotel, Exeter, EX4 3SP, UK

Held in cooperation with   **informs. SIMULATION**   **acm In-Cooperation**

The biennial OR Society Simulation Workshop brings together academics, practitioners and students working in the field of modelling & simulation. It provides an opportunity to exchange ideas on the current and future state-of-the-art in modelling and simulation. The programme consists of keynote presentations, panel discussions, beginner/advanced tutorials, and parallel streams. Breaks between sessions and the conference dinner provide an excellent opportunity for networking. The exhibition area includes poster displays and some of the latest developments in simulation software tools.

As part of the **Journal of Simulation Africa Focus** initiative (2024-2026), the workshop will include special sessions on modelling and simulation research conducted in or related to the African region. Papers, posters and presentations are sought that advance simulation theory, methodology, and practice within the unique contexts, challenges, and opportunities of the African region. The Africa Focus sessions are expected to be either online or hybrid sessions. Please contact the Conference Chairs for further information.

LOCATION

Exeter is a historic city pre-dating the Romans, with a magnificent 15th-century Norman cathedral, and the Royal Albert Memorial Museum, where visitors can explore the city's 2000-year-old history. Exeter is home to the University of Exeter's main Streatham campus. Exeter is accessible by air, rail, or car. The nearest airport is Exeter Airport, 20 minutes by car. London is less than 2.5 hours away by train.

The workshop will be held at the Mercure Exeter Rougemont Hotel, situated directly facing Exeter Central train station and Rougemont Gardens. Mercure Exeter Rougemont Hotel is in the heart of Exeter, opposite Exeter Central Rail Station, 5 miles from the M5 motorway, and 0.6 miles from the university.

Further information on Exeter can be found here: https://www.visitexeter.com/

THE PROGRAMME

The workshop will include plenary sessions, special focus streams, beginner/advanced tutorials, and posters. Contributions to the technical programme are sought in the following areas, although papers in any area of simulation modelling and analysis will be considered.

Simulation Modelling Methodology

- Hybrid modelling
- Digital twin / Real-time simulation
- Simulation and AI
- Open science and open models
- Hybrid simulation
- Component-based simulation

- Collaboration methods
- Distributed simulation
- Web-based simulation
- Simulation and the grid/cloud
- Simulation and artificial intelligence
- Simulation visualisation
- Simulation software
- Simulation standards

- Human performance modelling
- Discrete-event simulation
- Agent-based simulation
- System Dynamics
- Service-oriented simulation
- Conceptual modelling
- Verification and Validation
- Simulation Analytic

Simulation Analysis Methodology
- Design / analysis of simulation experiments
- Simulation optimisation

- Risk Analysis
- Metamodelling

Simulation in Practice
- Simulation in manufacturing
- Simulation in services
- Simulation in defence
- Simulation in healthcare
- Simulation in the semiconductor industry

- Simulation practice
- Simulation education
- Simulation for disaster response
- Environmental simulation/ Circular Economy
- Supply chain simulation

All submissions will be peer-reviewed. Accepted papers will be published in the conference proceedings and will be presented at the conference. Presentations for contributed papers will be scheduled for 30 minutes, including time for questions and answers. Presentations for beginner/advanced tutorials will be for 90 minutes. If you are interested in presenting a tutorial or organising a panel, please contact Professor Nav Mustafee and Dr Thomas Monks for more details.

Posters of applied or research projects in Simulation will be displayed during the conference. A poster session is provided where delegates have 5 minute to briefly introduce their work.

TIMETABLE AND DEADLINES

21 October 2024: Submissions due for contributed papers not previously published or presented. Instructions for the submission process and paper templates (in LaTeX and MS Word) is available at www.theorsociety.com/events/simulation-workshop. Each submission must be a 4-10 page paper (10-15 pages for the beginner/advanced tutorial stream), including an abstract of less than 150 words.

- EasyChair paper submission link: https://easychair.org/conferences/?conf=sw25

13 January 2025: Notification of acceptance for contributed papers.

13 January 2025: Submission due for Posters. The poster title and abstract of 150 words should be submitted using the submission site. Posters abstracts will be published in the conference proceedings and should follow the guidelines for conference papers.

31 January 2025: Notification of acceptance for posters.

10 February 2025: Authors provide the final manuscript for inclusion in the conference proceedings. These should be in the format required for the conference. Author instructions are available at www.theorsociety.com/events/simulation-workshop.

Submission implies that an author will pay to attend the workshop to present the paper, and all clearance required for publication or poster presentation will be obtained by 10 February, 2025. If you require any further information on paper or poster submission, please contact the programme or poster chairs:
Dr Martino Luis and Dr Alison Harper (Co-Program Chairs) or Dr Okechukwu Okorie (Poster Chair).

ORGANISING COMMITTEE

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