CALL FOR PAPERS

Join us to celebrate the 10th 'anniversary' of the Simulation Workshop

Held in cooperation with the INFORMS Simulation Society

WEBSITE www.theorsociety.com/SW20

The OR Society's Simulation Workshop is a biennial conference that brings together practitioners and academics 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 two keynote presentations, panel discussion, introductory/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.

LOCATION

SW20 is hosted at Burleigh Court Conference Centre & hotel, located on Loughborough University's campus. Loughborough University is the No.1 University for sport. Its exceptional sporting facilities play host to world-class athletes from across the world.

Loughborough University is easily accessible by road, rail and air. Just one mile from J23 M1, 8 miles from East Midlands Airport and 90 mins from London St. Pancras. Loughborough is located in the heart of England where north meets south and it is surrounded by some fantastic countryside. The town is close to a variety of tourist attractions such as the Peak District, Sherwood Forest and the National Space Centre. Close by is Bradgate Park (dating from at least 1240) with roaming herds of red and fallow deer that will be forever associated with the Lady Jane Grey, England's 'Queen for Nine Days'.

THE PROGRAMME

The workshop will include plenary sessions, special focus streams, introductory/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

• Discrete event simulation
• Agent-based simulation
• System Dynamics
• Hybrid simulation

Simulation Analysis Methodology

• Design and analysis of simulation experiments
• Simulation optimisation
• Risk Analysis

- Conceptual modelling
- Verification and Validation
- Simulation Analytics
- Scheduling
- Distributed simulation
- Web based simulation
- Modelling and Simulation as a Service
- Simulation and the grid/cloud
- Simulation and artificial intelligence
- Simulation visualisation
- Simulation software
- Simulation standards
- Behavioural modelling and simulation
- Simulation reproducibility
- Simulation practice

- Input / Output Analysis
- Metamodelling

Simulation in Practice

- Simulation in manufacturing
- Simulation in services
- Simulation in defence
- Simulation in healthcare
- Simulation in the semiconductor industry
- Simulation education
- Simulation in construction engineering
- Simulation in architecture
- Supply chain and transportation modelling
- Traffic Simulation
- Energy modelling
- Environmental simulation
- Simulation for sustainability

We invite contributions of academic research papers, industrial case studies and practitioner papers, as well as work in progress, which may be narrower in scope or have limited empirical data. All submissions will be peer reviewed. Accepted papers will be published in the conference proceedings and will be presented at the conference subject to valid registration. Authors of papers presented at SW20 will be invited to submit extended versions of their work for publication in a peer reviewed special issue of the Journal of Simulation.

Presentations are 30 minutes including time for questions and answers. Presentations for introductory/advanced tutorials will be given 90 minutes including time for questions and answers. Posters of applied or research projects in Simulation will be displayed during the conference. Poster authors will be invited to briefly introduce their work in 2 minutes at a dedicated poster session.

TIMETABLE AND DEADLINES

08 September 2019: Submit electronically contributed papers not previously published or presented. Submission instructions are available at www.theorsociety.com/SW20. Each submission must be a 3-10 page paper and 10-15 pages for the introductory/advanced tutorial stream, including an abstract of 150 words maximum.
Submission implies that an author will pay to attend the workshop to present the paper, and all clearance required for publication of the paper will be obtained by 09 February, 2020.
10 January 2020: Author notification of paper acceptance.

12 January 2020: Submit Poster title and abstract of 150 words. These should be submitted using the electronic submission form. Submission implies that an author will register and pay to attend the conference. Poster abstracts should follow the guidelines for conference papers.

22 January 2020: Notification of Poster acceptance.

02 February 2020: Authors provide the final manuscript for inclusion in the conference proceedings. These should be in the format required for the conference. Author instructions will soon be available at www.theorsociety.com/SW20.

09 February 2020: Author registration deadline.

For further information on paper or poster submission, please contact; Masoud Fakhimi, Duncan Robertson and Tom Boness (Programme) or Lucy Morgan (Posters).