

## CALL FOR PAPERS

### THE OR SOCIETY 8th SIMULATION WORKSHOP (SW16)

Website: [www.theorsociety.com/SW16](http://www.theorsociety.com/SW16)

11-13 APRIL 2016

*Ettington Chase, Banbury Road Ettington, Stratford-upon-Avon England, CV37 7NZ, UK*

**Held in cooperation with: The INFORMS Simulation Society  
The Society for Modeling and Simulation International (SCS)**

The biennial OR Society Simulation Workshop 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 a keynote presentation, panel discussion, 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.

#### LOCATION

Discover a charming and attractive hotel, set in 11 acres of grounds. Just seven miles away, explore over 800 years of history and the birthplace of William Shakespeare in the stunning Stratford upon Avon. Visit the Royal Shakespeare Company, take a trip on the river and soak up the historic and cultural atmosphere. Local attractions also include Warwick's Medieval Castle.

Ettington Chase is easily accessible by air, rail or car. The nearest airport is Birmingham International a 30 minute drive away or by car from Junction 15 of the M40. London is only 1.5 hours away.

#### 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

- 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
- Hybrid simulation

- Service-oriented simulation
- Conceptual modelling
- Verification and Validation
- Simulation Analytics

#### Simulation Analysis Methodology

- Design and 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
- Energy modelling
- Environmental simulation
- Supply chain and transportation modelling

All submissions will be peer reviewed. Accepted papers will be published in the conference proceedings and will be presented at the conference subject to receipt of payment to attend. Presentations for contributed papers will be given 30 minutes including time for questions and answers. Presentations for beginner/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. A poster session is provided where delegates have 1 minute to briefly introduce their work.

### **TIMETABLE AND DEADLINES**

**23 October 2015:** Submit electronically contributed papers not previously published or presented. Submission instructions can be found at [www.theorsociety.com/SW16](http://www.theorsociety.com/SW16). 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.

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 12 February, 2016.

**15 January 2016:** Contributors will be notified whether or not their paper has been accepted.

**15 January 2016:** Submit Poster title and abstract of 150 words. These should be submitted using the electronic submission form for full contributed papers. Submission implies that an author will register and pay to attend the conference. Posters abstracts will be published in the conference proceedings and should follow the guidelines for conference papers.

**12 February 2016:** 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/SW16](http://www.theorsociety.com/SW16).

If you require any further information on paper or poster submission, please contact the programme or poster chairs: Dr Anastasia Anagnostou, Dr Katy Hoad, and Dr Martin Kunc (Programme) or Ms Anastasia Gogi (Posters).

## **ORGANISING COMMITTEE**

### Conference Co-Chairs

Dr Christine Currie  
Mathematical Sciences  
University of Southampton  
Highfield, Southampton, SO17 1BJ  
United Kingdom  
Tel: +44-23-8059-3647  
Email: Christine.Currie@soton.ac.uk

Dr Thomas Monks  
NIHR CLAHRC Wessex Methodological Hub  
Room AA72  
South Academic Block  
Southampton General Hospital  
Southampton, HANTS, SO16 6YD  
United Kingdom  
Email: thomas.monks@soton.ac.uk

### Programme Chairs

Dr Anastasia Anagnostou  
Department of Computer Science  
Brunel University London  
Uxbridge, Middlesex  
UB8 3PH  
United Kingdom  
Tel: +44-1895-266227  
Email: anastasia.anagnostou@brunel.ac.uk

Dr Katy Hoad  
Operational Research & Management Sciences Group  
Warwick Business School  
The University of Warwick  
Coventry, CV4 7AL, UK  
United Kingdom  
Tel: +44-24-7652-8450  
Email: Kathryn.Hoad@wbs.ac.uk

Dr Martin Kunc  
Operational Research & Management Sciences Group  
Warwick Business School  
The University of Warwick  
Coventry, CV4 7AL, UK  
United Kingdom  
Tel: +44-24-7652-8203  
Email: Martin.Kunc@wbs.ac.uk

### Poster Chair

Ms Anastasia Gogi  
School of Business and Economics

Loughborough University  
Loughborough, Leicestershire  
LE11 3TU  
United Kingdom  
Tel: +44-1509-263171  
Email: A.Gogji@lboro.ac.uk

Advisory Board

Professor Stewart Robinson  
School of Business and Economics  
Loughborough University  
Loughborough, Leicestershire  
LE11 3TU  
United Kingdom  
Tel: +44-1509-222432  
Email: S.L.Robinson@lboro.ac.uk

Dr Simon JE Taylor  
Department of Computer Science  
Brunel University London  
Uxbridge, Middlesex  
UB8 3PH  
United Kingdom  
Tel: +44-1895-265994  
Email: simon.taylor@brunel.ac.uk

Programme Committee

Prof Sally Brailsford (University of Southampton)  
Professor Russell Cheng (University of Southampton)  
Professor Stephen Chick (INSEAD)  
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