

**Call for Papers**

**The 2004 Simulation Track in  
Technology, Processes and Operations  
Research**

**June 13th – 16th, 2004**

**Magdeburg, Germany**

**The 18th EUROPEAN SIMULATION MULTICONFERENCE  
([ESM 2004](#))**

**([Extended Submission Deadline: April 2nd, 2004](#))**

**Invitation:**

You are invited to submit a paper to the 2004 Technology, Processes, & OR Simulation Track to be held in Magdeburg, Germany, June 13th-16th, 2004, as part of the 18th European Simulation Multiconference (ESM 2004). The track is to address, explore and exchange information on the state-of-the-art systems, tools and applications for technology and business. Participation is extended to researchers, designers, educators and interested parties in all related disciplines and specialties.

**Purpose:**

The conference will include invited presentations from experts from academia, industry, and government as well as contributed paper presentations describing original work on the current state of research in modelling and simulation techniques for industrial and business applications.

**Topics include (but are not limited to)**

New Developments in Theory/Algorithms/Techniques in the areas of:

- Intelligent Decision Support Systems, Knowledge Discovery and Acquisition, Knowledge Representation, Information Modelling,
- Computer Aided Design, Engineering Systems Design and Innovation, Management of New Technologies, Concurrent Engineering, Project Management and Control
- Re-engineering, Industrial Layout, Industrial Safety, Policy Issues, Regulatory Impact Analysis.

- Operations and Production Management, Scheduling, Forecasting, Work Flow Management, Total Quality Management,
- Logistics, Risk Analysis, Fault Diagnosis, Cost-Benefit Analysis, Feasibility Studies,
- Power Generation, Telecommunications, Robotics, Aerospace, Manufacturing, Construction, Building Engineering, Urban Infrastructures
- Management Science, Business Process Modelling, Knowledge Management Systems, Operations Research, Economics, Resources Management, Optimisation, Stochastic Models
- Experimental Design of Simulation Studies, Embedded Heuristics in Simulation, Rule-based Optimization and Simulation.

**Submission of Papers:**

Papers reporting original and unpublished research results on the above and related Technology and OR topics are solicited. Submission should include authors names, affiliations, addresses and email addresses. Please indicate clearly the corresponding author. Include up to 6 keywords from the above list and an abstract of no more than 300 words. Please submit an electronic copy of the full manuscript (not to exceed 7 pages including figures, tables, and references) to the General Track Chair: Alessandra Orsoni, School of Business Information Management, Kingston University, Kingston Hill, Surrey KT2 7LB, UK, Email: [A.Orsoni@kingston.ac.uk](mailto:A.Orsoni@kingston.ac.uk).

If accepted, the final camera-ready manuscript will follow the ESM format, which will be made available to all authors. Electronic submissions in Word format (preferred) or in PDF, should be emailed to the track chair at the above email. The subject of the email must be “ESM 2004”. Papers will be selected based on their originality, timeliness, significance, relevance, and clarity of presentation. Initial selection will be based on full papers. Submission implies the willingness of at least one of the authors to register and present the paper, if accepted. All accepted papers in the track are expected to be presented and will be included in the conference proceedings. For information or questions about the track in general and paper submission, please contact Alessandra Orsoni at above email address.

**Important Dates:**

Full Paper Submission Deadline ----- April 2, 2004  
 Notification of Acceptance -----April 25, 2004  
 Registration & Camera-Ready Manuscripts----- May 14, 2004

For information about ESM 2004, consult the web site at URL: <http://isgwww.cs.uni-magdeburg.de/sim/esm2004/> or contact ESM’04 General Chair Graham Horton at [graham@cs.uni-magdeburg.de](mailto:graham@cs.uni-magdeburg.de).