

Call for Papers



ASMTA 2004

11th International Conference on ANALYTICAL and STOCHASTIC MODELLING TECHNIQUES and APPLICATIONS

<http://www.comp.glam.ac.uk/staff/kbegain/conf/asmta04.html>

13th-16th June 2004
Magdeburg, Germany



The conference is organized by SCS-Europe as part of the
18th European Simulation Multiconference
<http://www.wisg.cs.uni-magdeburg.de/sim/esm2004/index.html>

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This Conference is a continuation of the series of Conferences in Analytical, Numerical and Stochastic Modelling Techniques held as a part of European Simulation Multiconferences. Taking into account the complexity of real models of complex technical and information systems, methods of stochastic modelling based on analytical and approximate results for Markov and semi-Markov stochastic processes, queuing networks, Petri nets, Process algebras, etc. have recently become increasingly popular.

Topics include but not limited to:

* Techniques and Algorithms:

- Stochastic Models, Markov Models
- Stochastic Petri Net Models
- Queuing Systems and Network Models
- Neural Networks
- Reliability and Maintenance Models
- Stochastic Optimal Control and Optimization
- Performance Modelling
- Stochastic Process Algebra
- Stochastic Precedence Graphs
- Stochastic Simulation
- Statistical Analysis and Interference
- Analytical and Numerical Simulation

* Application and Evaluation Studies

- Computer Systems and Information Networks
- Workflow Management Systems
- Communication Systems and networks (LANs and Distributed Systems, ATM Switches, High speed networks)
- Wireless and mobile systems and networks (WLAN, 2G-3G-4G Mobile systems and networks)
- Ad hoc Networking and Home Networking.
- Peer-to-Peer Applications and Services
- Embedded Systems
- Workload Modelling and Characterization
- Operating Systems
- Client-Server Systems
- Multimedia Systems
- Measurements and Hybrid Techniques
- Software Performance
- Software Reliability

* Performance Analysis Tools

PAPER SUBMISSION

Papers reporting original and unpublished research results on ASMTA topics are solicited.

- **FORMATING:** Submission should include, on the cover page, authors names, affiliations, addresses, fax and phone numbers, and email addresses. Please indicate clearly the corresponding author. Include up to 5 keywords from the above list and an abstract of no more than 300 words. Full manuscript must not exceed 10 double-spaced pages including figures, tables, and references.
- **WHERE TO SEND:** Electronic submissions will be accepted in Word, PDF or PS formats sent as e-mail attachment to the Conference Chair: [Khalid Al-Begain \(kbegain@glam.ac.uk\)](mailto:Khalid Al-Begain (kbegain@glam.ac.uk) with copy to esm2004@scs-europe.org) with copy to esm2004@scs-europe.org. The file name must be the surname of the first author. The subject of the email must be "ASMTA 2004".
- **REVIEWING:** Consistent with standard practice, each submitted paper will receive a minimum of three reviews. Papers will be selected based on their originality, timeliness, significance, relevance, and clarity of presentation. 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 conference are expected to be presented and will be included in the conference proceedings (both print and CD), which will be copyrighted and widely disseminated. **Selected best papers from the conference will be considered for publication in a special issue of an international journal.**
- **CAMERA READY MANUSCRIPTS:** Accepted papers will need to be formatted according to the [SCS Publication Guidelines](#). For any enquiries about final paper formatting or the proceedings contact Martina Seidel of the SCS Europe at esm2004@scs-europe.org.

IMPORTANT DATES

Paper submission:	16th February 2004
Notification of acceptance:	16th April 2004
Camera-ready copies:	14th May 2004
Conference Registration:	14th May 2004

OUTSTANDING PAPER AWARD: The 2004 European Simulation Multiconference Committee will select the Outstanding Paper of the MultiConference.