Call for Papers

6th Symposium on

Design, Analysis, and Simulation of Distributed Systems 2008

June 16 - June 19, 2008
Edinburgh, UK

Part of the Summer Computer Simulation Conference 2008
Organized by the SCS - Co-sponsored by ACM-SigSim

The goal of the conference is to encourage innovation in design, analysis and simulation of distributed systems. This includes new technologies as well as new methodologies, new concepts and experience reports. DASD 2008 will promote a high quality exchange of ideas and information between universities, industry, and national laboratories supporting the development in the design, analysis and simulation area of next generation distributed systems which can provide solutions to current scientific and technological challenges.

Special Areas of Interest (but not limited to)

- Modeling, Simulation and Evaluation

    - Modeling and performance evaluation of hardware and software
    - Petri nets, Markov chains, queuing theory, UML
    - Formal concepts and methods for validation and testing
    - System on chip, multicore systems and embedded systems
    - Reconfigurable systems and complex systems
    - Numerical methods for performance approximation
    - Traffic estimation for communication networks of distributed systems
    - Applications, tools, simulation languages

- Self-Organization and Distributed Systems

    - Scalability and load balancing
    - Data management, distributed file systems
    - Self-Stabilization and learning in distributed systems
    - Fault tolerance, trust and security
    - Structuring and topological aspects
    - Strategy learning and benchmarking
    - Network building games and strategies

- Pervasive System Concepts

    - P2P, cluster and grid computing approaches for simulation
    - Semantic Web and P2P KM systems
    - Resource management, search and location
    - Protocols, algorithms and techniques to support semantic interoperability
    - Role of ontologies
    - Location- and context-aware environments
    - Mobile and ubiquitous P2P

All prospective authors are invited to submit full papers of up to 8 pages describing their (previously unpublished) work and achievements to DASD 2008. All submitted papers will be subject to a peer-reviewing process by at least 3 program committee members. All accepted papers will be published in the conference proceedings and archived in both the SCS digital library and the ACM Digital Library. Final version of all the papers must comply with the SCS conference format as given in http://www.scs.org/PDFs/formattingkit.pdf. Authors of accepted papers are expected to attend the conference and present their work.

The best contributed paper will be given an award. A selected group of full papers will be published in the special issue of Simulation Journal (SCS).

Please submit papers in PDF or PostScript with the authors' complete addresses, phone, fax, and e-mail for consideration. Papers should be submitted electronically to

http://www.softconf.com/scs/SCSC08

by indicating DASD in the workshop/track list. For further information, see

http://www.fernuni-hagen.de/KN/DASD

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Important Dates

Full papers (**deadline ext.**)	April 26, 2008
Notification of acceptance	May 15, 2008
Full camera-ready papers	May 30, 2008

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