

OFFICIAL CALL FOR PAPERS 2004 WESTERN SIMULATION MULTICONFERENCE • JANUARY 18-24, 2004

WESTERN MULTICONFERENCE

You are cordially invited to participate in the 2004 Western Simulation MultiConference. The WVMC 2004 will comprise formal paper presentations and poster sessions. The Program Committee will select papers for longer presentation slots. The corresponding papers will be fully refereed. All papers and poster session abstracts will be published in the conference proceedings.

Original, high-quality technical papers are solicited for review, possible presentation, and subsequent publication in the conference proceedings. All final paper submissions are to be made electronically to SCS via the Proceedings Central proceedings management system at <http://scs.proceedingscentral.com>. Include complete postal and e-mail addresses and fax and phone numbers of corresponding author. Papers must be in English. For further instructions, please refer to the Submission Instructions in the Proceedings Central web site. Confirmations will be sent to the contact author when the file has been retrieved and successfully viewed or printed. Authors should identify the area(s) in which they think their contribution would best fit, and should clearly indicate whether the submission is for a poster session or a full paper. Authors must obtain any employer, client, or government clearances before submission of the final manuscript. All conference attendees participate at their own expense.

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COMMUNICATION NETWORKS AND DISTRIBUTED SYSTEMS MODELING AND SIMULATION CONFERENCE

The purpose of this conference is to serve as a forum for the exchange of ideas among researchers from around the world about the design and performance of computer systems, network architectures, and communications protocols in parallel and distributed environments. This conference grew out of the urgent need to understand these systems as they became more complex. Original technical papers addressing all aspects of analysis, design, modeling, and performance evaluation of communication networks and distributed systems are solicited for presentation at the conference and publication in the conference proceedings.

Topics of interest include:
•Current Challenges in Network Simulation.
•Methods and Applications for Network Simulators.
•Modeling and Analysis of Wireless Systems including transient and steady-state behavior.
•Wireless Ad Hoc Networks and Sensor Networks.
•Cross-Layer Effects and Design in Wireless Networks.
•Scalable Simulation of Dynamic Networks.
•Mobility Modeling, Simulation and Analysis.
•Traffic Modeling and Validation.
•Quality-of-Service Support in Dynamic Environments.
•Distributed Information Management.
•Emerging Topics in Networks and Distributed Systems.

Submissions must be made via the proceedings management system: <http://scs.proceedingscentral.com>. Authors should note that final papers are limited to 6 single-spaced, two-column pages (including figures, tables, and references) with fees charged for overlength manuscripts. Submissions should be close to this length, however, we request that submitted papers be double-spaced using a single column and 12-point font. Include keywords, postal and e-mail addresses, and fax and phone numbers of corresponding author. Papers must be in English. For further instructions, please refer to the Submission Instructions in the Author Center of the Proceedings Central web site. Only original unpublished material will be considered.

Full paper submission deadline is November 3, 2003.

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For details on topical areas, submission requirements, deadlines, and up-to-date information please consult the URL: <http://www.ece.neu.edu/conf/CNDS/2004/>

INTERNATIONAL CONFERENCE ON VIRTUAL WORLDS AND SIMULATION

Concurrent engineering, collaborative environments, and education and training remain the leading interests of many participants, but there is an increasing number of participants exploring applications in medicine, manufacturing and engineering, Homeland Defense and crisis management, and a number of different business enterprises. As before, we are expecting a small amount of support from different foundations and government organizations. If you require support to attend VWSIM, please tell us as soon as possible so that we can explore possible sources of support. We are currently encouraging session and panel proposals as well as individual papers in the topics from previous years, including the following new areas:

- Groupmind: Beyond Collaboration
- Comparing Different Virtual Worlds: MUDs, Virtual Reality, and Internet Multi-user Games
- Collaborative environments and VVs to support "Peacefare"
- Reflective Agents, Reflective Architectures, and Reflective Processes inside Virtual Worlds
- Virtual Money and Real Money: What Economic Models Apply to Virtual Worlds?
- Creating New Types of Applications based on Multi-user Gaming Environments
- Theory and Applications in the Detection, Modeling and Analysis of Social Networks
- Active Intelligent Environments
- Social Worlds and Experimentation
- Integration Places
- Cybermedicine
- Theoretical and Mathematical Foundations
- Helpful Agents/Robots within VVs
- New sensory interfaces with VVs
- Security mechanisms for VVs and collaborative environments
- Supporting VVs with Active Networks and Active Middleware

May 30, 2003 One-page panel and session proposals
June 30, 2003 Voluntary submission of paper abstracts
August 15, 2003 Final submissions for paper review
September 15, 2003 Notification of review results
October 15, 2003 Final camera-ready copy of paper

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For details on topical areas, submission requirements, deadlines, and up-to-date information please consult the URL: <http://www.cs.umd.edu/~cal/VWSim/>

INTERNATIONAL SYMPOSIUM ON COLLABORATIVE TECHNOLOGIES AND SYSTEMS

The symposium is to address, explore, and exchange information on the state-of-the-art in collaborative enterprises, their modeling and simulation, design and use, and their impact. Participation is extended to researchers, designers, educators and interested parties in all ITS disciplines and specialties. The symposium 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 collaborative technologies, CT systems and related issues. There will also be keynote and plenary speeches, tutorial sessions, demos, and a panel discussion.

Topics include (but are not limited to):

- Design of Collaborative Systems
- Modeling and Simulation of Collaboration
- Infrastructure for Collaborative Enterprises (ICE)
- Enterprise Heterogeneity
- Tools for Collaborative Environments
- Collaborative Distributed Simulation Approaches
- Collaboration Enabling Technologies
- Collaborative and Virtual Simulation Environments
- Mobile and Wireless Collaborative Systems
- Collaborative Information Infrastructure
- Web-Enabled Simulation
- Web Infrastructure for Collaborative Applications
- Modeling and Simulation of Workflows in Collaborative Environments
- Data Mining and Warehousing for Collaborative Technologies
- Information Exchange and Fusion for CE
- Knowledge Management
- Intelligent Agents in Collaborative Applications
- Shared Virtual Reality and Applications
- Collaborative Enterprise Security
- Electronic Notebooks and Platforms
- Interfaces for Collaborative Work
- Requirements Engineering in CE
- Coordination Mechanisms
- Role-based Access Control
- Awareness in Collaborative Systems
- Grid-based Collaborative Environments
- Distributed Shared Design and Development
- Project Coordination
- Prototyping Environments
- Distance and Collaborative Learning
- Mapping Tasks into Teams
- Group Characteristics and Social Factors in CE
- Distributed Team management and the Changing Organization
- Collaborative Environments for Simulation based Based Acquisition
- Collaborative Technologies for Decision Support
- Collaboration in the Joint Synthetic Battlespace
- Collaborative Simulation for Distributed Mission Training
- Collaboration MBS for Wargaming and Exercise Support

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Full paper submission deadline is July 18, 2003.
For details on topical areas, submission requirements, deadlines, and up-to-date information please consult the URL: <http://www.engr.udayton.edu/faculty/wsmari/CTS04>

INTERNATIONAL CONFERENCE ON SIMULATION IN EDUCATION

ICSEE'04 provides a forum for discussions and presentations focusing on the use of simulation tools in education and training. The target audience of the conference is educators in all areas of science and engineering who use simulation in their educational setting. Examples of such activity include development of new simulation methodologies, the development and use of simulations in all areas of education and the integration of simulation and visualization into online, pervasive and computer-based teaching environments.

- Teaching modeling and simulation
- Educational case studies
- Design and use of simulators for educational purposes
- Modeling and simulation curriculum
- Computer and web based education and training
- Innovative uses of modeling and simulation
- Development of multimedia models and their application in education
- New educational paradigms;
- Virtual reality and potential applications of VR in education;
- Modeling and simulation for education;
- Use of simulations for educational purposes;
- Simulation languages, packages, and simulation-based curricula
- Computer-based and simulation-integrated laboratories
- New software and hardware developments and their impact
- Experiences in integrating computers and software tools in education
- Government and corporate programs in support of computer- and multimedia-based education

Authors interested in topics listed above are encouraged to submit four copies of the extended abstract, up to two pages long, and a one-page summary to the Program Chair.

Important Dates:
Abstract Submission due (all participants): June 15, 2003
Feedback on appropriateness of the abstract: June 30, 2003
Submission deadline (full papers): July 30, 2003
Author Notification (all participants): October 1, 2003
Camera-ready Copy: November 1, 2003

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For details on topical areas, submission requirements, deadlines, and up-to-date information please consult the URL: <http://runestone.it.uu.se/~arnoldp/ICSIE/>

INTERNATIONAL CONFERENCE ON HEALTH SCIENCES SIMULATION

This annual conference, sponsored by the Society for Computer Simulation International (SCS), is a forum for modeling and simulation in the health sciences. Application areas include health services studies, pharmacometrics, drug and device development, medical practice, modeling epidemics, physiology, and methodology. Practitioners of modeling are encouraged to submit proposals based on their applications and demonstrations of computer simulation techniques. A sampling of applications presented in the past is indicated in the general sessions list shown below. Programs from the 2001 and 2002 conferences are available at: <http://www.sla.purdue.edu/academic/soc/anderson/>

Sample Application Topics

- Resource Allocation, Care Assessment
- Dose Response, Synergy, Toxicology
- Clinical Trials, Population Analyses
- Cardiac Devices, Regeneration
- Pulmonary Function, Endocrine Systems
- Cancer Survival, Obesity Control
- Telemedicine, Screening, Treatment
- Genetic Control AIDS Pathogenesis
- Disease Transmission, Treatment Costs
- Nutrition, Risk Evaluation, Smoking Cessation
- Discrete Modeling, Madonna plus Stella
- Comparing Modeling Platforms, Philosophies

Typical Session

- Health Services
- Drug Development
- Physiology
- Medical Decision Making
- Epidemiology
- Methodology and Software Tutorials
- Pharmacodynamics
- Bioengineering
- Medical Practice
- Microbiological Processes
- Health Policy

Draft paper submission deadline is September 30, 2003.

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For details on topical areas, submission requirements, deadlines, and up-to-date information please consult the URL: <http://www.sla.purdue.edu/academic/soc/anderson/anderson.html>

INTERNATIONAL CONFERENCE ON FOSSIL SIMULATION AND TRAINING

The 2004 International Fossil Simulation and Training Meeting will include several sessions on Fossil Power Plant Simulation and staff training. Authors are invited to submit abstracts describing their work in these areas. The topics of interest in fossil simulation and training include but are not limited to:

- Control Systems and Operator Training Simulators
- Combustion/Emission Modeling
- Management of Simulator Projects
- Training with Plant Simulators
- Advanced Simulation Technologies
- Benefits of Operator Training Simulators
- Update on EPRI Compact Simulators
- Ongoing Simulator Projects
- Training Experiences with Simulators
- Follow-On Applications of Simulators for Maintenance, I&C and Engineering
- Artificial Intelligence and Multimedia
- Training Organizations
- Costs and Cost Benefits of Training Simulators

Three copies of a 300-word abstract or a draft paper should be submitted to the session organizers by the submission deadline.

Full paper submission deadline is October 15, 2003.

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For details on topical areas, submission requirements, deadlines, and up-to-date information please consult the URL: <http://www.scs.org/confernc/wmc/wmc04/>

INTERNATIONAL CONFERENCE ON SIMULATION TECHNOLOGY FOR NUCLEAR POWER PLANTS AND SYSTEMS

This annual conference sponsored by the Society for Modeling and Simulation International (SCS) is organized to bring professionals within the nuclear simulation field together with other peers, contractors, vendors, suppliers, standards committee members, and regulators. Information is exchanged through the formal presentation of professional papers, participation in panel discussions, and industrial users group meetings that focus on the special needs within the nuclear simulation community.

Professional paper presentations are provided on Monday, January 19, 2004, and Tuesday, January 20, 2004. Vendor booth displays are also available for observation and hands-on demonstration opportunities of the latest technologies in software and equipment.

Suggested Session Titles include:

- Core, thermal hydraulic, fluid flow and heat transfer Modeling
- Plant Process Computers, Soft Panel Simulation
- Simulation Primary and Secondary Systems Modeling Applications
- Simulator Performance and Transient Results
- Simulation Development and Upgrade Projects
- ANSI-3.5 Standard Committee Update
- Panel Discussion
- NRC Update - Panel Discussion

Included at the conference will be various workshops and workgroups.

- Regional Workshops
- Utility Simulator Users group
- Vendor User Groups

Full paper submission deadline is September 30, 2003.

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For details on topical areas, submission requirements, deadlines, and up-to-date information please consult the URL: <http://www.scs.org/confernc/wmc/wmc04/>



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