

# OFFICIAL CALL FOR PAPERS 2004 WESTERN SIMULATION MULTICONFERENCE • JANUARY 18-21, 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 on advances in the design and performance analysis of communications networks and distributed systems. CNDSS seeks papers that focus on challenges faced by researchers seeking to develop new principles and gain greater insight into design tradeoffs and performance limitations inherent in emerging systems. CNDSS04 will feature a keynote speaker, panel discussion, a Best-Paper Award and a Best-Student Paper Award. Authors of top papers will be invited to submit extended versions for possible publication in a special issue of "Simulation: Transactions of the SCS." Papers are solicited from, but not limited to the following topics:

- Current Challenges in Network Simulation
- Methods and Applications for Network Simulators
- Modeling and Analysis of Wireless Systems
- Wireless Ad Hoc Networks
- Cross-Layer Effects and Design in Wireless Systems
- Scalable Simulation of Dynamic Networks
- Mobility Modeling, Simulation and Analysis
- Traffic Modeling and Validation
- Network-Based Quality-of-Service
- Distributed Information Management
- Emerging Topics in Networks and Distributed Systems

CNDSS seeks original high quality papers that emphasize simulation methods, analysis of application. Submissions must be made via the SCS proceedings management system: <http://scs.proceedingscentral.com>. All submissions will be fully refereed for originality, technical content and relevance. Final papers are limited to the 6 single-space, double-column papers. For more information see the submission instructions in the Author Center of the Proceedings Central web site. One author is required to register and present the paper at the conference.

Full-Paper Submission Deadline: Nov 3, 2003  
Acceptance Notification: Dec 15, 2003  
Camera-Ready Papers Due: Jan 1, 2004

### General Chair

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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/CNDSS/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  
July 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

### General Co-Chair

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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 CTS 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.

### Topics include (but are not limited to):

- Design of Collaborative Systems
- Modeling and Simulation of Collaboration
- Enterprise Heterogeneity
- Collaborative Distributed Simulation Approaches
- Collaboration Enabling Technologies
- Mobile and Wireless Collaborative Systems
- Collaborative Information Infrastructure
- 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
- Interfaces for Collaborative Work
- Requirements Engineering in CE
- Coordination Mechanisms
- Awareness in Collaborative Systems
- Grid-based Collaborative Environments
- Distributed Shared Design and Development
- Distance and Collaborative Learning
- Group Characteristics and Social Factors in CE
- Distributed Team management and the Changing Organization
- Collaborative Technologies for Decision Support
- Collaboration in the Joint Synthetic Battlespace
- Collaborative Simulation for Distributed Mission Training

Full paper submission deadline is August 15, 2003.

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## 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/ICSEI/>

## 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 recent conferences are available at: <http://www.sla.purdue.edu/academic/soc/anderson/anderson.html>

### Sample Sessions

- I Health Services
- II Pharmacodynamics
- III Drug Development
- IV Bioengineering
- V Physiology
- VI Medical Practice
- VII Medical Decision Making
- VIII Microbiological Processes
- IX Epidemiology
- X Health Policy
- XI Methodology and Software
- XII Tutorials

### Typical Associated Application Topics

- I Resource Allocation, Care Assessment
- II Dose Response, Synergy, Toxicology
- III Clinical Trials, Population Analyses
- IV Cardiac Devices, Regeneration
- V Endocrine Systems, Metabolism
- VI Cancer Survival, Obesity Control
- VII Screening, Treatment
- VIII Genetic Control, Pathogenesis
- IX Disease Transmission, Treatment Costs
- X Risk Evaluation, Infection Control
- XI Modeling Platforms, gepasi
- XII Pharmacodynamic Advances, Genomics

Draft paper submission deadline is September 30, 2003.

### General Co-Chair

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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/confenc/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.

### General Chair

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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/confenc/wmc/wmc04/>



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