



# Call for Papers

## General Chair

Mohammad S. Obaidat  
Dept. of Computer Science, Monmouth University  
Email: obaidat@monmouth.edu

## Vice General Chair

Franco Davoli  
DIST-University of Genoa  
Email: franco@dist.unige.it

## Program Chairs

Jose L. Marzo  
University of Girona, Spain  
Email: joseluis.marzo@udg.es  
Ljiljana Trajkovic  
Simon Fraser University,  
Vancouver, British Columbia, Canada  
Email: ljilja@cs.sfu.ca

## Local Arrangement Chair

Carey Williamson  
University of Calgary, Canada  
Email: Carey@cpsc.ucalgary.ca

## Tutorial Chair

John Fox  
Foxband Consultancy, UK  
Email: fox.conf@btinternet.com

## Publicity Chair

Guoping Zeng  
Nortel Networks, USA  
zenggu@nortelnetworks.com

## Web Master

Michael J. Chinni  
U.S. Army TACOM-ARDEC  
E-mail: mchinni@pica.army.mil

## Conference Coordinator

Steve Branch  
SCS Email: sbranch@scs.org

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# SPECTS 2006

## 2006 International Symposium on Performance Evaluation of Computer and Telecommunication Systems

<http://www.scs.org/summersim/spects/>

Sponsored by The Society for Modeling and Simulation International  
Technical Co-Sponsored by IEEE Systems, Man, and Cybernetics (SMC) Society

July 31–August 2, 2006

The Coast Plaza Hotel and Conference Center  
Calgary, Canada

This annual international conference is a forum for professionals involved in performance evaluation of computer and telecommunication systems. Performance evaluation of computer systems and networks has progressed rapidly in the past decade and has begun to approach maturity. Significant progress has been made in analytic modeling, simulation, and measurement approaches for performance evaluation of computer and telecommunication systems. Topics of interest include, but are not limited to:

### Networking and Telecommunication Systems

- Internet Technology  
Quality of Service (QoS)  
DiffServ/IntServ  
MPLS  
TCP  
World Wide Web (WWW) Technology
- Networking Techniques  
Unicast and Multicast Routing  
Congestion Admission and Control  
Switching Techniques  
Tele-traffic  
Network Protocols  
Network Management and Control  
Network Capacity Planning  
Network Architecture Evaluation  
Service and QoS Pricing  
Security and Authentication

- Broadband Networks  
High-Speed Networking  
ATM  
Optical Networks

- Wireless Systems and Networks  
Satellite Systems  
UMTS  
Mobile Networks/Computing

- Ad-hoc Networks  
Sensor Networks

- Multimedia Communications and Applications

### Computer Systems

- Distributed Architectures  
Client/Server  
Distributed Systems and Agents  
Parallel and Distributed Computing  
Massively Parallel Systems  
Cluster Computing  
Grid Computing  
Interconnection Networks

- Computer Architectures  
Microprocessors/Microcomputers  
Memory Systems  
High Performance I/O  
Real-time Systems  
Scheduling Schemes

- Software  
Software Performance, Evaluation, and Testing  
Parallel Algorithms and Languages

- Electronic Commerce  
Hardware and Software Monitors  
High-performance Computing

- Information Assurance  
Reconfigurable Computing  
Scientific Computing Algorithms  
Workload and Traffic Characterization

### Tools, Methodologies, and Applications

- Parallel and Distributed Simulation
- Verification and Validation
- Neural Networks and Fuzzy Logic Applications
- Performance Optimization, Bounds, and Models
- Queuing Systems and Networks Scalability Studies
- Integrated Modeling and Measurement
- On-Line Performance Adaptation and Tuning
- Process Algebra-Based Models
- Mathematical Aspects and Integrated Design of Performance
- Case Studies

### Paper Submission

Please submit your complete papers electronically to: <http://www.scs.org/summersim/spects/>. Instructions for authors will be posted on the paper submission web site. Submissions should not exceed 25 double-spaced, 8.5x11 inch pages (including figures, tables, and references) in 10–12 point fonts. Please include five to ten keywords, complete postal and e-mail address, and fax and phone numbers of the corresponding author. If you have difficulties with electronic submission, please contact the Web Master, Program Co-Chairs, or the Conference Coordinator, Steve Branch, The Society for Modeling and Simulation International, 4838 Ronson Court, Suite L, San Diego, CA 92111, USA, Tel. (858) 277-3888, Fax (858) 277-3930, E-mail: sbranch@scs.org. Extended versions of selected accepted papers at SPECTS 2006 will be considered for possible publication in scholarly journals. Proposals for tutorials should be sent to the Tutorial Chair. Proposals for special sessions and panel sessions should be submitted to the Program Co-Chairs.

### 2006 Workshop on Performance of Wireless Networks and Communication Systems (WiNCS'06)

**Paper Submission:** Submit full papers as PDF files by email to both Program Chairs. The papers should not have more than twenty-five single-column, double-spaced pages, including figures, tables, and references, using a font of at least 12-point size. It is crucial that all graphical and tabular elements be placed within the text, so that the PDF file is suitable for reviewing. In addition to the paper in PDF format, your submission should include the title of the paper, the names of the authors and their affiliations, postal address, phone, fax, and e-mail address of the corresponding author, an abstract with up to 200–250 words, and up to five keywords describing the contents of the paper.

**General Chair:** Mohammad S. Obaidat, Dept. of Computer Science, Monmouth University, obaidat@monmouth.edu

**Program Chairs:** Jelena Mistic, University of Manitoba, Canada, jmistic@cs.umanitoba.ca  
Vojislav B. Mistic, University of Manitoba, Canada, vmistic@cs.umanitoba.ca

### Publicity Committee:

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Vice Chair: Abdelmajid Kheili, University of Stuttgart - IPVS - VS, Germany, abdelmajid.kheili@informatik.uni-stuttgart.de

### Webmaster:

Michael J. Chinni, U.S. Army TACOM-ARDEC, mchinni@pica.army.mil

### DEADLINES

Submission of Papers ..... February 26, 2006  
Notification of Acceptance ..... April 23, 2006  
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