Call for Papers
2005 Applied Telecommunication Symposium (ATS'05)
"Modeling and Simulation Challenges in Telecommunication Systems"
Part of the 2005 Spring Simulation Multiconference (SpringSim'05)

Sponsored by:
The Society for Modeling and Simulation International (SCS)
April 2 - 8, 2005
Hilton Mission Valley Hotel
San Diego, CA

The Applied Telecommunication Symposium (ATS) is an international forum for exchange of technical knowledge and presentation of original papers on the analysis of telecommunication systems and technologies. It is intended for professionals, engineers, software developers, managers, and others interested in cellular and packet traffic characteristics, analysis of telecommunication networks, and practitioners operating telecommunication networks. We are looking for innovative technical papers describing projects, applications, and research and development work pertinent to telecommunication.

This year's Symposium is particularly seeking papers in the following tracks:

Wireless
Chairs: Hassan Rajaei, Bowling Green State University, USA
Axel Lehmann, Universitaet der Bundeswehr Muenchen, Germany

Topics:

UMTS
GSM / CDMA
2.5G/3G Wireless
Mobile Internet and Wireless Multimedia
Cell Traffic
Network Performance and Engineering
Measurements

SPECIAL SESSION: WLAN research with particular emphasis on QoS, routing, reliability, overload/congestion control, and interworking with 2.5/3G systems.

Telecommunications Business and Regulation
Chair: George Kraft, Stuart School of Business, Illinois Institute of Technology, USA

Topics:

Cost modeling
Call center operations
Billing models
E-commerce

Network Security and Management

Chairs: Susan Lincke-Salecker, University of Wisconsin-Parkside, USA
John Laskar, Mitretek Systems, USA

Topics: Innovative Network Security methods
WLAN Security
Influence of security measures on network performance
Operations, Administration, Maintenance

Overload/congestion control
Load balancing

Networks and Multimedia

Chairs: Aftab Ahmad, Norfolk State University, USA
Wolfang Haidegger, Siemens, Austria

Topics: Internet QoS Architectures
Network performance - analysis and simulation
Traffic characterization
Packet switch architecture evaluation

Modeling Techniques and V&V

Chairs: Axel Lehmann, Universitaet der Bundeswehr Muenchen, Germany
Shakil Akhtar, UAE University, Al-Ain, United Arab Emirates

Topics: Simulation techniques
Acceleration methods
Distributed Simulation
Simulation Tools for Modeling and V & V traffic measurements, analysis and synthesis

Combined simulation/analytic procedures
Metro area design and modeling

Traffic Engineering with Protocols and Devices
Chairs: Junaid Zubairi, SUNY at Fredonia, USA
Chia J. Liu, AT&T Labs, USA

Topics: Traffic Management and control
Traffic engineering architectures
Bandwidth management
GMPLS
VPN (Virtual Private Network) Performance Issues

General Chair: Bohdan Bodnar
Motorola, Inc.

Co-Chair: Hassan Rajaei
Bowling Green State University, USA

Program Chair: George Kraft
Stuart School of Business, Illinois Institute of Technology, USA

Draft Paper / Extended Abstract Submission Deadline: December 7, 2004. Draft
paper or extended abstract should be submitted to

http://mc.manuscriptcentral.com/scs/proceedings/

Deadlines
Abstract/Draft paper due - December 7, 2004
Notification of acceptance sent - December 21, 2004
Camera-ready paper due - January 31, 2005

Please indicate in the abstract for which track(s) you wish to have your paper

considered; note that the final track selection will be at the discretion of the ATS organizers. The abstract must include the author(s), e-mail address(es), and affiliation.

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