CALL FOR PAPERS

IFIP

2005 IFIP NETWORKING CONFERENCE

University of Waterloo, Waterloo, Ontario, Canada / 2–6 May 2005

http://www.cs.uwaterloo.ca/Networking2005

Sponsored by IFIP TC 6, IFIP WG 6.2, WG 6.3, WG 6.8, & WG 6.10

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Networking 2005 is the fourth event in the series of International Conferences on Networking, organized by the IFIP Technical Committee on Communication Systems (TC 6). Previous events were held in Paris (France) in 2000, Pisa (Italy) in 2002, and Athens (Greece) in 2004. Based on the success of this biannual event, IFIP TC 6 decided to hold the Networking conference every year starting in 2005. Networking 2005 will take place between May 2 and 6, in Waterloo, Ontario, Canada. The conference is organized by the University of Waterloo and sponsored by the IFIP working groups on Network and Internetwork Architectures (WG 6.2), Performance of Communication Systems (WG 6.3), Wireless Communications (WG 6.8), and Photonic Networking (WG 6.10).

Networking 2005 will be structured along three tracks:
- Networking Technologies, Services and Protocols
- Performance of Computer and Communication Networks
- Mobile and Wireless Communications Systems

Networking 2005 will include a peer-reviewed program of technical sessions, panels, tutorials, and workshops. The technical program committee is soliciting papers describing original, previously unpublished, completed research, not currently under review by another conference or journal, addressing state-of-the-art research and development in all areas of computer networking and data communications. Topics of interest include, but are not limited to, the following:

• Active & programmable networks	• Mobility models	• Routing in ad hoc networks
• Broadband wireless access	• MPLS, MPLambdaS, GMPLS	• Satellite networks
• Caching & delivery of streaming media content	• Multicasting	• Scheduling & resource allocation
• Cellular networks (2G, 2.5G, 3G & beyond)	• Multimedia over packet-based networks	• Self-organizing network architectures & protocols
• Cryptography, security & privacy	• Multiple access protocols	• Service overlay networks
• High performance grid networks	• Network design & capacity planning	• Switching & switch architectures
• Home networking	• Network management systems	• Traffic engineering
• Intelligence in networks	• Network measurements & testbeds	• Traffic management & control
• Internet & web applications	• Network modeling & simulation	• Traffic modeling & characterization
• Internet pricing & economic models	• Networks of actuators	• Web caching, pre-fetching & replication
• Internet protocols over high-speed networks	• Optical networks	• Web performance
• Measurement studies of web architectures & protocols	• Peer-to-peer networks	• Wireless local & personal area networks
• Mobile ad hoc networks	• Pervasive computing	• Wireless multimedia systems
• Mobile agents	• Power management	• Wireless protocols
• Mobile networking & computing	• Quality of service	• Wireless sensor networks
• Mobile networks architectures & protocols	• Quantitative methods & tools	• Workload characterization & management
	• Queuing network models of computer & communication networks	
	• Queuing theory	
	• Real-time voice/video transport over IP networks	

Paper Submission: All papers will be reviewed and accepted papers will appear in the conference proceedings, published by Springer-Verlag in the LNCS series. Papers must be submitted electronically (see http://www.cs.uwaterloo.ca/Networking2005). The maximum size of papers should be 5000 words including tables and figures. Please adhere to the formatting standard using as reference a 12-page manuscript of Springer-Verlag LNCS: http://www.springer.de/comp/lncs/authors.html. The cover page must contain an abstract of about 150 words, 3-5 keywords, name and affiliation of author(s) as well as the corresponding author's e-mail, telephone number, fax number and postal address. There will be a **Best Paper Award** for the best submitted paper as well as a number of student travel grants.

Important Dates	
Full paper due:	November 8, 2004, 17:00 EST
Notification of acceptance:	February 7, 2004
Final version due:	February 28, 2005

Tutorial Proposal Submission: Proposals for tutorials are solicited. Potential instructors are invited to submit a tutorial proposal of at most 3 pages, including a biographical sketch, to one of the tutorial co-chairs by December 1, 2004.

For more information, visit the conference www site: http://www.cs.uwaterloo.ca/Networking2005