Call for Papers
2006 IFIP Networking Conference
University of Coimbra, Coimbra, Portugal, 15-19 May 2006
http://www.dei.uc.pt/Networking2006

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Objectives

Networking 2006 will be organized by the University of Coimbra, Portugal. It is the fifth event in a series of International Conferences on Networking, sponsored by the IFIP Technical Committee on Communication Systems (TC 6). Previous events were held in Paris (France) in 2000, Pisa (Italy) in 2002, Athens (Greece) in 2004, and Waterloo (Canada) in 2005.

The main objectives of Networking 2006 are to bring together active and proficient members of the networking community, from both academia and industry, to discuss recent advances in this broad and fast-evolving field of telecommunications, and to highlight key-issues, identify trends and refresh vision in the field of telecommunications.

Structure and topics

The conference objectives will be pursued through highly technical sessions organized thematically, keynote talks, tutorials offered by invited experts, as well as through workshops and panel discussions on hot topics. Plenary sessions with keynote talks or panels will open or close the daily sessions. The technical sessions will be structured into three tracks:
- Networking Technologies, Services and Protocols
- Performance of Computer and Communication Networks
- Mobile and Wireless Communications Systems

Topics of interest to Networking 2006 include (but are not limited to) the following:

Active & programmable networks	Multicasting	Real-time voice/video over IP networks
Addressing and location management	Multimedia protocols	Resource allocation
Ambient Intelligence	Multiple access protocols	Routing and switching
Autonomic Networks	Network design & capacity planning	Mobile ad hoc networks
Broadband wireless access	Network management systems	Satellite networks
Capacity planning	Network measurements & testbeds	Scheduling & queue management
Cellular networks (2G, 2.5G, 3G & beyond)	Network modelling & simulation	Self-organizing network
Congestion control	Network tomography	Sensor Networks
Content distribution	Optical networks	Traffic engineering
Cryptography, security & privacy	Hybrid Networks	Traffic management & control
Grid networking	Overlay networks	Traffic modelling & characterization
Home networking	Peer-to-peer networks	Ubiquitous Networks
Intelligence in networks	Pervasive computing	Web architectures & protocols
Internet & web applications	Power management	Web caching, pre-fetching & replication
Internet protocols for high-speed networks	Pricing, billing & economic models	Web performance
Mobile networks architectures & protocols	Quality of Service	Wireless local & personal area networks
Mobility models	Quantitative methods & tools	Wireless multimedia systems
MPLS, GMPLS	Queuing theory	Wireless protocols

Paper submission

The authors are encouraged to submit full papers describing original, previously unpublished, complete 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. 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. The maximum size of papers should be 5000 words including tables and figures. Please adhere to the formatting standard for a 12-page manuscript of Springer-Verlag LNCS. 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 and postal address.
There will be a **Best Paper Award** for the best submitted paper as well as a number of student travel grants.

Tutorial proposal submission

Networking 2006 will also include a small number of one-day or half-day tutorials on Monday, May 15, 2006. Proposals for tutorials that present recent advances in the field of computer communications and telecommunications are solicited. Evaluation of proposals will be based on the expertise and experience of the instructors, the relevance of the subject matter, the objectives outlined above and the general conference objectives. Potential instructors are invited to submit, to the Tutorial Chairs, a tutorial proposal of at most 3 pages, including a biographical sketch, by December 1, 2005.

Workshops proposal submission

Networking 2006 will also include a small number of one-day, peer-reviewed, technical workshops on Friday, May 19, 2006. Potential workshop organizers are urged to contact the Workshop Chairs by December 1, 2005.

Important dates

- Full Paper Due: November 20, 2005
- Notification of Acceptance: February 1, 2006
- Final Version Due: February 28, 2006

Organized by:

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