



Networking 2007

May 14-18, 2007
 Georgia Tech Hotel
 Atlanta, Georgia USA
<http://www.ifip-networking.org/>

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Georgia Tech, USA

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Call for Papers

Networking 2007 is the sixth event in a series of International Conferences on Networking, sponsored by the IFIP Technical Committee on Communication Systems (TC 6). The main objectives of Networking 2007 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.

The conference objectives will be pursued through technical sessions, keynote talks, and tutorials offered by invited experts, as well as panel discussions on hot topics. The technical sessions will be structured into three tracks:

(1) Ad Hoc and Sensor Networks (2) Wireless Networks (3) Next Generation Internet

Authors are encouraged to submit full papers describing original, previously unpublished, complete research, not currently under review by another conference or journal, addressing state-of-the-art research and development in all areas of computer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. Topics include, but are not limited to:

Ad Hoc & Sensor Networks

Authentication & security
 Algorithms & protocols
 Admission control
 Data dissemination
 Environment monitoring
 Energy & resource consumption
 Fault tolerance & error recovery
 Interconnection of ad hoc / wired networks
 Localization
 Location services
 MAC protocols
 Mesh networks
 Mobility
 Modeling & performance evaluation
 Network reconfiguration
 Power management
 Quality of Service
 Resource allocation
 Routing
 Scheduling
 Self-organization
 Time synchronization
 Traffic shaping

Wireless Networks

Broadband wireless access
 Cellular networks (2G, 2.5G, 3G & Beyond)
 Cross-layer design & optimization
 Location management
 Handoff
 Ubiquitous networks
 Hybrid networks
 Interworking of 2G,3G, 4G Mobile IP networks
 Mobile networks architecture & protocols
 Mobility models
 Multimedia over wireless
 Overlay networks
 Quality of Service
 Standards & protocols
 Wireless local & personal area networks
 Wireless multimedia systems
 Wireless protocols
 Wireless authentication & security
 Wireless network modeling, algorithms, & simulation
 Wireless network reliability
 Wireless LAN/MAN/WAN interoperability

Next Generation Internet

All-IP networking
 Congestion control
 Evolution of IP network architecture
 Multilayer design & optimization
 MPLS & GMPLS
 Multicasting
 Multimedia protocols
 Network management systems
 Network measurements & testbeds
 Network modeling & simulation
 Peer-to-peer networks
 Pricing, billing & economic models
 Quality of Service
 Real-time voice/video over IP networks
 Resource allocation
 Routing & switching
 Scheduling & queue management
 Traffic engineering
 Traffic management
 Traffic modeling
 Web architecture & protocols

IMPORTANT DATES

Full Paper Due: **December 7, 2006 (11:59 EDT)**
 Acceptance Notification: **February 7, 2007**
 Final Manuscript Due: **February 17, 2007**

SUBMISSION

Authors are invited to submit full papers of up to 6 pages, double-column format, with minimum 10-point font, 2.5cm margins at the top, bottom, and on each side. Papers must be submitted electronically via EDAS. Detailed submission instructions are available on the conference website.