



CALL FOR PAPERS
6th IEEE International Conference on
High Speed Networks and Multimedia Communications
HSNMC'03
July 23-25, 2003 - Estoril, Portugal

GENERAL INFORMATION

The 2003 IEEE International Conference on High Speed Networks and Multimedia Communications (HSNMC'03) is sponsored by the IEEE, IEEE ComSoc and IEE. HSNMC'03 is organized by academic, research and industrial societies and will be held at Estoril, Portugal, from Wednesday July 23 to Friday July 25, 2003. HSNMC'03 will take place at Hotel Atlântico, in Estoril, facing the beautiful Cascais Bay. Estoril is about 20 minutes from Lisbon International Airport.

HSNMC'03 is the 6th conference of a successful series started, under the name of International Conference on ATM (ICATM), in Colmar (1998), and subsequently held in Colmar (1999), Heidelberg (2000), Seoul (2001) and Jeju (2002).

In order to encourage closer interaction between academic and industrial networking research communities, both academic research papers and industrial contributions are welcome.

TOPICS OF SPECIAL INTEREST

Topics of interest include, but are not limited to the following:

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| Protocols for high speed networks | Network management issues |
| Services over high speed networks | High speed network performance |
| Technologies for high speed networks | Network security and privacy issues |
| User applications in high speed networks | High speed switching and routing |
| Traffic models for high speed networks | Optical networks and DWDM |
| Traffic management in high speed networks | Optical switching |
| Next generation multimedia communications | IP/IPv6 over optical networks |
| Mobile multimedia communications | Opto-VLSI algorithms and design |
| Multimedia middleware and architectures | ULSI for communications/networks |
| Multimedia encoding and compression issues | VLSI for multimedia and DSP |
| Quality of Service issues | Hardware-software co-design |
| Scheduling & resource allocation | Embedded software for communications |
| Unicast and Multicast issues | System on chip with IP |
| Computer and telephony integration | Software platforms for high speed networks |
| IP/IPv6 over high speed data link layers | Satellite communications (LEO, MEO, GEO) |
| Voice over IP/IPv6 | Wireless communications - from 3G to 4G |
| Voice over high speed data link layers | Mobility, seamless handover and QoS adaptation |
| High speed network interconnection | Practical experiences and results |

These topics can be addressed in terms of concepts, state of the art, standards, implementations, running experiments, performance analysis, security issues, traffic management, quality of service and applications.

INSTRUCTIONS FOR AUTHORS

The authors should submit their original contribution as full paper, no longer than 10 pages, or as an extended abstract summarizing the original work. All the contributions must be written in English. The top of the first page of each paper must include the title of the paper, authors' names, position, address, telephone, e-mail of the author responsible for correspondence and a list of four keywords.

Submissions must be made electronically via email. Acceptable formats are Postscript, Adobe PDF and Microsoft Word. Please use A4 paper format when formatting your submission.

Authors of accepted papers will later be required to submit an IEEE copyright form, please assure that you have all necessary authorizations in place.

Authors of accepted papers will be invited to submit full-length manuscripts for inclusion in the proceedings.

All submitted papers should be sent to the following email address: hsnmc03@co.it.pt

For additional information, contact the General Chair or the Organizing Committee at:

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Check our Web page at <http://www.co.it.pt/hsnmc03.html> or at <http://conf.uha.fr/HSNMC03.html> for the latest information concerning the conference. Best papers will be selected for a special issue of the journal Telecommunication Systems published by Baltzer Science Publishers.

TUTORIALS AND WORKSHOPS

Tutorials and workshops will provide overviews of current high interest topics. Proposals for half of full day tutorials are due by March 15, 2003

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IMPORTANT DATES

Paper submission deadline: March 13, 2003

Authors Notification: April 17, 2003

Deadline for full-length camera-ready manuscript: May 9, 2003