



CALL FOR PAPERS

3rd European Conference on Universal Multiservice Networks

ECUMN'2004

October 25-27, 2004 - Porto, Portugal

GENERAL INFORMATION

The European Conference on Universal Multiservice Networks (ECUMN) was born in Colmar, France under the sponsorship of SEE (Société de l'Electricité, de l'Electronique, et des Technologies de l'Information). After the first two successful venues in Colmar in 2000 and in 2002, the 3rd European Conference on Universal Multiservice Networks (ECUMN '04) is moving to Portugal and will take place at Hotel D. Henrique, in Porto (Oporto) from Monday 25 to Wednesday 27 October, 2004. The conference is jointly organized by Instituto de Telecomunicações (IT) and OE (Ordem dos Engenheiros), with the technical co-sponsorship of IEEE Communications Society, IEEE Portugal Section, EUREL and SEE.

The goal of the ECUMN conference is to bring together researchers from the academia and practitioners from the industry in order to address network and service convergence issues. The conference will provide a forum where the academia shall be able to present up-to-date research results and the industry describe emerging technologies and new research problems related to them.

The conference scope has been extended to deal to put specific emphasis on Service Provisioning, and Service differentiation issues. Graceful evolution of Networks, new access schemes, flexible protocols, increased variety of services, hybrid networks reliability, are some of the present and future challenges that have to be met by the various technologies that will be discussed during the conference.

A competition for the best student paper will be organized to recognize and encourage excellence in graduate studies.

TOPICS OF SPECIAL INTEREST

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

- Evolution of Telecommunication Networks Architecture:
 - Next Generation Networks (NGN)
 - Active Networks
 - Optical Networks
 - Access Networks
 - Mobile Networks
 - Storage Area Networks
 - Network measurements and testbeds
- Protocols issues:
 - Multicast
 - Switching and routing
 - Signalling
 - Mobility management
 - Security and privacy
 - Real time and multimedia
- Service provisioning and deployment in a heterogeneous environment:
 - Intermediation
 - Network design and planning
 - Network management and control
 - Traffic engineering
 - Interfaces and Reference points
 - Flow control
- Service differentiation
 - Real time services over IP/IPv6
 - Pricing and real time billing
 - Traffic control and QoS
 - Service reliability, availability
 - Congestion and admission control
 - Replication system (caching, mirroring, CDNs, etc).

IMPORTANT DATES

Paper submission deadline: April 15, 2004

Authors notification: June 15, 2004

Deadline for full-length camera ready paper: July 15, 2004

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, address, telephone, e-mail of the author responsible for correspondence. Submissions must be made electronically through the [paper submission page](#). Acceptable formats are Postscript, Adobe PDF and Microsoft Word. Please use A4 paper format when formatting your submission.

Proceedings of ECUMN'2004 will be published by Springer-Verlag as part of the [Lecture Notes in Computer Science \(LNCS\)](#) series. Authors of accepted papers will be invited to submit full-length manuscripts, which must be structured according to the instructions of Springer-Verlag. LNCS Authors Instructions sub page is available at: <http://www.springer.de/comp/lncs/authors.html>

For more information please contact:

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Check our Web page at <http://www.co.it.pt/ecumn04.html> for the latest information concerning the conference.

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