

Call for Papers
31th EUROMICRO CONFERENCE
Track on "Multimedia & Telecommunications:
Pervasive Multimedia and Networking"
Porto, Portugal – August 30th - September 3rd, 2005

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Call for papers

Regardless of different end-systems and the underlying network infrastructure, multimedia plays an important role in almost any application. These applications spread from collaborative environments to gaming applications and include also m-commerce. New middleware providing an abstraction layer for particular hardware like mobile phones, PDA's or wearables, and particular network services, as well as network requirements are key issues in this field.

In this context the Grid, which was originally designed for distributed computing over a network of heterogeneous resources, is becoming an interesting and challenging research area. Here, dependability and adaptability of distributed multimedia systems must be taken into account. This yields in new challenges to the underlying networks. Emerging P2P and Ad-hoc-network technologies are discovered as means for the design of multimedia frameworks and applications.

Topics of interest include, but are not restricted to:

Multimedia

- Pervasive Multimedia
- Transcoding
- Push Technologies and Content Distribution
- Mobile & Wireless Multimedia
- Security
- Teleimmersion
- Media-rich Homes / Digital Entertainment
- Grid Services for Multimedia
- Distributed Gaming
- m-Commerce and m-Learning Systems
- Smart Devices for Multimedia

Telecommunications

- Access technologies
- Network Architectures
- AAA and Security
- Grid
- Mobile Telecommunications
- 3G and beyond
- P2P and Ad-hoc-Networks
- Self-organizing Protocols
- QoS control and scheduling
- Internet-based Services
- Web Services
- Context-aware Services

We encourage submissions demonstrating the potential of new approaches by providing case studies, experiments, and quantitative data.

Submission of papers

Prospective authors are encouraged to submit a PDF version of their paper to

<http://www.icsy.de/EM05>

Papers should not exceed 8 pages (in IEEE/CS proceedings format; 10pt, single-space, double-column) or 6000 words and include an abstract of up to 150 words. A cover page should clearly show the name, mailing address, e-mail address and fax number of the author to contact, as well as the topic areas of the submitted paper. Accepted papers will be published in the conference proceedings by IEEE. Selected papers will be offered the opportunity to appear as extended versions in a special issue of a scholarly journal.

The following signed statement should be included on the cover page: *"Neither this paper nor any version close to it has been or is being offered elsewhere for publication. All necessary clearances have been obtained for the publication of this paper. If accepted, the paper will be made available in Camera-ready forms by June 9th 2005, and it will be personally presented at the EUROMICRO 2005 Conference by the author or one of the co-authors. The presenting author(s) will pre-register (full fee) for EUROMICRO 2005 before the due date of the Camera-ready paper."*

Important dates

Submission deadline:
March 11, 2005 !! EXTENDED !!

Notification of acceptance:
May 3, 2005

Camera-ready paper due:
June 9, 2005

Updated information

<http://www.euromicro.org>

General information

This track is an integral part of the EUROMICRO 2005 conference. The conference proceedings will be published by the IEEE Computer Society.