



European Conference on Parallel Computing

Call for Papers

Submission Deadline: January 31, 2006

Topic 14: Mobile and Ubiquitous Computing EURO-PAR 2006

August 29 – September 1, 2006

Dresden University of Technology, Dresden, Germany

Web site: <http://www.europar2006.de/>

Email: europar@zih.tu-dresden.de

1. TOPIC 14 - DESCRIPTION

The rapid growth of small, portable and powerful computing devices along with wireless, mobile and sensor communication technologies offers tremendous opportunities for wireless networking and mobile/pervasive computing applications and services. This topic will deal with cutting-edge research in various aspects of mobile computing systems including architectures, algorithms, networks, protocols, applications, services, and data management. The aim is to bring together computer scientists and engineers from academics and industry working in these exciting areas to share their ideas and results with their peers.

2. TOPICS

- Mobile/wireless computing and networking infrastructure
- Mobility and Resource management
- Wireless multimedia and QoS
- Ad-hoc and personal area networks
- Wireless LANs
- Pervasive/wearable/context-aware computing
- Smart devices and smart spaces
- Intelligent environments
- Sensors and actuators

- Location-aware services and applications
- User interfaces and interaction models
- Security and privacy in mobile systems
- Experiences in the implementation of parallel computing algorithms in mobile/sensor nodes
- Data management for mobile and ubiquitous computing
- Grid support for mobile and ubiquitous computing
- Adaptation and personalization of mobile applications
- Context awareness (maybe this can be combined with "location-aware services")

3. IMPORTANT DATES

December 31, 2005: Workshop proposals due

January 31, 2006: Full papers due

May 3, 2006: Notification of acceptance

May 30, 2006: Camera-ready papers and author Registration due

4. SUBMISSION DETAILS

Authors are invited to submit full papers (10 pages, Springer LNCS style) to this topic, by using the online submission site:



European Conference on Parallel Computing

<http://www.europar2006.de/index.php?page=1>

Online submission will be open before the end of December 2005. (When submitting, please indicate this topic.)

All accepted full papers will be published in the conference proceedings in the Springer Verlag LNCS series.

5. TOPIC 14 - PROGRAM COMMITTEE

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6. MISSION STATEMENT - EURO-PAR

Euro-Par is an annual series of international conferences dedicated to the promotion and advancement of all aspects of parallel and distributed computing. Each year, the conference normally attracts more than 300 participants coming from universities, research centres and industry. Euro-Par 2006 will represent 18 topics (<http://www.europar2006.de/index.php?page=3>) in the categories of hardware, software, algorithms and applications, and will also include tutorials, invited talks, and co-located workshops. Besides, the planned Grid Village provides an opportunity to showcase the latest developments in Grid technology with demonstration and hands on experiences.