

2010 PerCom



March 29 – April 2, 2010, Mannheim, Germany

The Eighth Annual IEEE International Conference on Pervasive Computing and Communications

<http://www.percom.org/2010>

PRELIMINARY CALL FOR PAPERS

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IEEE PerCom, now at its eighth edition, is the premier scholarly venue in the areas of pervasive computing and communications, which aim at providing a ubiquitous platform for supporting exciting anytime and anyplace services paradigms. Pervasive computing and communications is a natural outcome of the tremendous advances of a broad spectrum of technologies including wireless networking, sensor networks, mobile and distributed computing, and agent technologies. PerCom 2010 will provide a high profile, leading edge forum for researchers and engineers alike to present state-of-the-art research in the respective fields of pervasive computing and communications. The conference will feature a diverse mixture of presentation forums including core technical sessions, several targeted workshops, demonstrations, keynote speeches and panel discussions from domain experts.

Research contributions are solicited in all areas pertinent to pervasive computing and communications, including:

- Innovative pervasive computing applications
- Programming paradigms for pervasive systems
- Software evolution and maintenance in pervasive systems
- Middleware services and agent technologies
- Adaptive, autonomic and context-aware computing
- Mobile/Wireless computing systems and services in pervasive computing
- Energy-efficient and green pervasive computing
- Communication architectures for pervasive computing
- Ad hoc networks for pervasive communications
- Pervasive opportunistic communications and applications
- Enabling technologies for pervasive systems (e.g., wireless BAN, PAN)
- Pervasive sensing, perception and semantic interpretation
- Positioning and tracking technologies
- Sensors and RFID in pervasive systems
- Smart devices and intelligent environments
- Trust, security and privacy issues in pervasive systems
- User interfaces and interaction models
- Virtual immersive communications
- Wearable computers
- Standards and interfaces for pervasive computing environments
- Social and economic models for pervasive systems

Important Dates

Paper submission: Sept. 28th, 2009
Workshop proposals: May 31st, 2009
Notification: Dec. 21st, 2009
Camera Ready: Jan. 29th, 2010

Submission Guidelines

Submitted papers must be unpublished and not considered elsewhere for publication. Also, **they must show a significant relevance to pervasive computing and networking**. Guidelines for preparing and submitting the manuscript will be made available on the conference website. All papers will be managed electronically through EDAS. Submitted papers will undergo a rigorous review process handled by the Technical Program Committee. The best paper will receive the prestigious **Mark Weiser best paper award**. Papers of particular merit will be considered for a special issue of *Pervasive and Mobile Computing Journal*.

Workshops and Affiliated Events

Many workshops will be held in conjunction with the main conference. Workshop papers will be included and indexed in the IEEE digital libraries (Xplore), showing their affiliation with IEEE PerCom. As in the past, PerCom 2010 will also feature a PhD Forum, Demonstrations and a Work-in-Progress Session. Please visit the conference website for details.

Sponsors



For additional information, please visit the website or contact Christian Becker at christian.becker@uni-mannheim.de