

2011 PerCom



March 21-25, 2011, Seattle, USA

The Ninth Annual IEEE International Conference on Pervasive Computing and Communications

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

CALL FOR PAPERS

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IEEE PerCom, now in its ninth edition, is established as the premier annual scholarly venue in the areas of pervasive computing and communications. Pervasive computing and communications has evolved into an active area of research and development, due to the tremendous advances in a broad spectrum of technologies and topics including wireless networking, mobile and distributed computing, sensor systems, RFID technology, and the ubiquitous mobile phone.

PerCom 2011 will be held in Seattle, which is the primary gateway to the Pacific Northwest of the United States, famous for its breathtaking natural beauty and diversified city culture. PerCom 2011 will provide a leading edge, scholarly forum for researchers, engineers, and students alike to share their state-of-the-art research and developmental work in the broad areas of pervasive computing and communications. The conference will feature a diverse mixture of interactive forums: core technical sessions of high quality cutting-edge research articles; targeted workshops on exciting topics; live demonstrations of pervasive computing in action; insightful keynote speeches; panel discussions from domain experts; and posters of budding ideas.

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

- Innovative pervasive computing applications
- Context modeling and reasoning
- 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)
- Positioning and tracking technologies
- Sensors and RFIDs in pervasive systems
- Multimodal sensing and context for pervasive applications
- Pervasive sensing, perception and semantic interpretation
- Smart devices and intelligent environments
- Trust, security and privacy issues in pervasive systems
- User interface, interaction, and persuasion
- Virtual immersive communications
- Wearable computers
- Standards and interfaces for pervasive computing environments
- Social and economic models for pervasive systems

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 2011 will also feature a PhD Forum, Demonstrations and a Work-in-Progress Session. Please visit the conference website for details.

Sponsors



Best paper award

The best paper will receive the prestigious **Mark Weiser best paper award**.

Papers of particular merit will be considered for a special issue of the Elsevier journal of *Pervasive and Mobile Computing (PMC)*.

Important Dates

Paper submission: Sept. 27th, 2010

Workshop proposals: May 31st, 2010

Notification: Dec. 21st, 2010

Camera Ready: Jan. 28th, 2011

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.

For additional information, please visit the website or contact Jadwiga Indulska at jaga@itee.uq.edu.au