

Call for Papers

International Conference on Pervasive Computing

Pervasive

2002

August 26-28, 2002
Zurich, Switzerland

Organized by IBM Research and ETH Zurich

www.pervasive2002.org

Relentless progress in basic Information Technologies (IT) - microprocessors, memory chips, integrated sensors, storage devices, and wireless communication systems - continues to bring ever smaller, lighter, and faster systems-on-a-chip. As a result, beyond large hosts, PCs, and laptop computers, IT systems are now invading every aspect of life to the point that they are disappearing inside all sorts of appliances or can be worn unobtrusively as part of clothing and jewelry. This explosive spread of IT can be compared to the spread of electric motors over the past century but promises to revolutionize life much more profoundly than elevators or electric car windows ever did. At the same time, pervasive computing poses profound challenges including technical, safety, social, legal, political, and economic issues.

The objective of this conference will be to present, discuss, and explore latest technical developments in the emerging field of pervasive computing as well as potential future directions and issues. Leaving aside low-level hardware and transmission technology topics as well as peripheral socio-economic aspects, the conference will focus on technical infrastructure and application issues. It will include presentations, panel discussions, poster sessions, and demos on subjects like:

- System architectures and platforms for pervasive computing
- Middleware and pervasive computing infrastructures
- Mobile, wireless, and wearable technologies
- Innovative small computing and intelligent devices
- Emerging applications and mobile business issues
- Scenarios for information appliances
- Service discovery protocols
- Content distribution and delivery
- User interfaces for invisible and embedded computing
- Context awareness
- Security and privacy issues

Proceedings (containing the full papers) will be published by Springer-Verlag in the Lecture Notes in Computer Science Series. Extended or revised versions of selected papers will also be published in a special issue of the Personal and Ubiquitous Computing journal. Advice for authors and instructions for submitting a paper, poster or demo may be found at <http://www.pervasive2002.org/submit.html>

Important Dates	
Full paper and tutorial submissions due	February 22, 2002
Notifications to authors of full papers	April 23, 2002
Camera-ready full papers due	June 7, 2002
Short papers submissions and demo proposals due	June 19, 2002

Conference Committees

General Chair	Mahmoud Naghshineh, IBM Research
Program Chair	Friedemann Mattern, ETH Zurich
Program Committee	Emile Aarts, Philips Research Laboratories Arndt Bode, TU Munich Gaetano Borriello, University of Washington and Intel Seattle Research Lab Dave DeRoure, University of Southampton Oliver Haase, Bell Labs Research Stefan Hild, IBM Research Dirk Husemann, IBM Research Pertti Huuskonen, Nokia Alan Jones, AT&T Laboratories Cambridge Kazuhiko Kato, University of Tsukuba Tim Kindberg, HP Laboratories Kazushi Kuse, IBM Research Gerald Maguire, KTH Stockholm Joachim Posegga, SAP Corporate Research Apratim Purakayastha, IBM Research Jun Rekimoto, Sony Kurt Rothermel, University of Stuttgart Larry Rudolph, MIT Bernt Schiele, ETH Zurich Bill Schilit, Xerox Palo Alto Research Center Roy Want, Intel Research
Tutorial Co-chairs	Bernt Schiele, ETH Zurich Marisa Viveros, IBM Research
Exhibition/Demo Chair	Oliver Haase, Bell Labs Research
Organization Chair	Phil Janson, IBM Research
Financial Co-chairs	Phil Janson, IBM Research Marc Langheinrich, ETH Zurich
Registration and Local Arrangements Chair	Vlad Coroama, ETH Zurich
Publicity Co-chairs	Vlad Coroama, ETH Zurich Marc Langheinrich, ETH Zurich