Call for Papers

Organized by IBM Research and ETH Zurich

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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

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	Larry Rudolph, MIT
	Bernt Schiele, ETH Zurich
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	Roy Want, Intel Research
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	Marisa Viveros, IBM Research
Exhibition/Demo Chair	Oliver Haase, Bell Labs Research
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