

CALL FOR PAPERS

Second International Workshop on Personalized Networks

<http://pernets.org/>

To be held in conjunction with:
The 4th Annual International Conference on Mobile and
Ubiquitous Systems: Networks and Services (MOBIQUITOUS 2007)

August 10, 2007 - Philadelphia, Pennsylvania, USA

Important Dates

Paper Submission Deadline: April 1, 2007
Notification of Acceptance: May 21, 2007
Camera-Ready Submissions: June 10, 2007

(Accepted papers will be published in the conference proceedings and the IEEE Digital Library)

Purpose of this workshop

The ubiquitous nature of wireless networks has spawned many interesting applications that were unimagined hitherto. It has also brought many challenges for the communication and networking community to address. On one hand we see present day mobile devices are capable of providing many services that required several devices before. For example, most cell phones nowadays provide high speed data access, still and video cameras, PDA functionality, etc. These advances in device sophistication and service offerings, including wireless hotspots, have made a difference in the way we communicate. With increased user mobility and user's desire to always be connected, we have seen a growing interest in Personal Area Networks (PANs) and Body Area Networks (BANs). These networks can be tuned and applied meaningfully for individual users and their requirements. On the other hand the Internet has changed our way of interacting dramatically. These two major communication areas are having an in-depth influence on the way we communicate; it is worth considering them 'together' as the future communication vehicle.

Scope of the submission

We seek original contributions which are aimed at finding solutions to the problems that are outlined above towards realization of a Personalized Network. We have identified the following major topics under which we try to categorize the submissions. However, we will consider any other original, interesting, and imaginative ideas and thoughts towards meeting this goal of a Personalized Network.

- The architectural framework of personalized networks
- Context awareness and support
- Resource, service and context discovery
- Self-organization and adaptation
- Addressing and routing
- Interworking between PANs, ad hoc networks, etc, and infrastructure-based heterogeneous networks
- Mobility of personalized networks
- Security, privacy and accounting
- Zero configuration methods and other enablers for ease-of-use
- Dependability
- Context-aware and application-driven communication substrates
- Interactions between persons through their networks, federations of such networks
- Handling of QoS across heterogeneous and dynamically changing link layers
- New QoS concepts in personalized networks
- Mapping of functional requirements to physical devices and resources
- Modeling and simulation of personalized networks
- P2P paradigm in personalized networks
- Innovative applications or prototypes and demonstrations of such person centric applications are equally valued

Why should you participate in this workshop?

Personalized Networks is a concrete vision of the future networks, yet very current, in the field of communications. It attracts researchers from both wired and wireless domains. This workshop is an ideal platform to share a vision of where we are heading, interact, and strongly advocate an exciting new avenue for researchers and practitioners in the field of communication. Further, the final program will consist of carefully selected - with at least three peer reviews - and high quality submissions with a large emphasis on new ideas rather than incremental contributions to the field. Submissions of shorter versions of full papers that can be submitted to other conferences or journals in the near future are discouraged.

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