

CALL FOR PAPERS

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First International Workshop on *Personalized Networks*
To be held in conjunction with:
The 3rd Annual International Conference on Mobile and
Ubiquitous Systems: Networks and Services (MOBIQUITOUS 2006)
July 21, 2006 - San Jose, California, USA
<http://www.wmc.ewi.tudelft.nl/~martin/pnets/>
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Important Dates

Paper Submission Deadline: **April 9, 2006**

Notification of Acceptance: **May 8, 2006**

Camera-Ready Submissions: **May 31, 2006**

(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 ponder. On the one hand, we see present day mobile devices capable of providing many integrated services that only yesterday required several different devices. For instance, 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 the 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.

(Visit <http://www.wmc.ewi.tudelft.nl/~martin/pnets/> or email us at wpnATewiDOTtudelftDOTnl for instructions and more details/queries)

Scope of the submission

We seek original contributions which are aimed at finding solutions to the problems outlined above towards 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 the goal of a Personalized Network.

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

Why should you participate in this workshop?

Personalized Networks is a concrete vision of the future networks, which 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 would 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/journal in the near future are discouraged.

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Sai Shankar, Qualcomm, San Diego, USA

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