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- Falko Dressler, Univ. of Erlangen, Germany
- Tommaso Melodia, SUNY Buffalo, NY
- Enzo Mingozzi, Univ. of Pisa, Italy

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- Jochen Schiller, FU Berlin, Germany
- Mehmet Vuran, Univ. of Nebraska Lincoln, NE
- Andreas Willig, TU Berlin, Germany

Important Dates

Manuscript (extended): 1/20/2009
Notification: 3/25/2009
Final Due: 4/15/2009

CALL FOR PAPERS

First IEEE International Workshop on Autonomic Wireless Networking (AWN 2009)

<http://www7.informatik.uni-erlangen.de/~dressler/awn09/>

held in conjunction with

5th International Wireless Communications and Mobile Computing Conference (IWCMC 2009)
June 21-24, 2009, Leipzig, Germany

Aims and scope:

The objective of this workshop is to provide a forum for researchers and technologists to present new ideas and contributions in the domain of wireless networking employed to support the needs of future wireless communication systems. To deal with the increasing complexity of large-scale wireless networking systems, computers and applications must learn to manage themselves in accordance with high-level guidance from humans - a vision that has been referred to as autonomic computing.

Quality, reliability, security and robustness are specific demands to be provided by future autonomic wireless networks. Cognitive radio has emerged as a promising technology for maximizing the utilization of the limited radio bandwidth while accommodating the increasing amount of services and applications in the wireless networks. Similarly, cross-layer techniques exploit locally available information for providing more robust and scalable wireless communication systems.

The purpose of the First International Workshop on Autonomic Wireless Networking is to bring together researchers and practitioners addressing all aspects of self-organization, adaptive management of available resources, cooperation and detection of selfishness in wireless networks. In doing so, we hope to further build and nurture a community that can work together to realize the vision of large-scale autonomic wireless networks.

Topics of interest:

Papers are solicited in the broad range of wireless networking with focus on autonomic communication. Topics of interest include, but are not limited to:

- Smart antenna technologies
- Cognitive and software defined radio
- Cooperative communications
- Incentive compatible and cooperative behavior
- Self-organization
- Cross-layer design and optimization
- Medium access control
- Quality of service
- Radio resource management
- Selfishness detection
- Jamming
- Security and privacy
- Modeling and simulation
- Testbeds and experimental platforms

Paper Submission:

Prospective authors are invited to submit original papers not exceeding six pages (hard limit), including text, figures, tables, and references. Papers must be written in English and must be in standard IEEE conference format. All submissions will be handled electronically through the EDAS system <http://edas.info>, and must be in PDF format. Accepted papers will be published in the conference proceedings which will be included in IEEE Digital Library (pending approval). Selected papers will be further considered for possible publication in a special issue of the Wiley Journal of Wireless Communications and Mobile Computing (WCMC), and International Journal of Autonomous and Adaptive Communications Systems.