WMAN 2011 **Call for Papers** WMAN 2011

6th Workshop on Wireless and Mobile Ad-Hoc Networks (WMAN 2011)

Collocated with KiVS 2011
March 10-11, 2011, Kiel, Germany

Scope

Wireless and Mobile Ad-Hoc Networking covers a broad variety of applications, including areas like mesh networking, wireless sensor networks, vehicular networks, personal area networks, some forms of body area networks, and many more. Common characteristics of such Wireless and Mobile Ad-Hoc Networks include

- Dynamic connection establishment
- Use of radio or other wireless communication
- Multi-hop communication where nodes relay data packets for other nodes
- Open and unrestricted network participants
- Mobile and resource-constraint nodes and networking

While not all system expose all characteristics to the same extent, they do share a common set of characteristics and challenges, since organizing communication and security in such dynamic and open networks often requires different solutions compared to traditional wired or wireless networks.

This workshop will cover the whole variety of research addressing dynamic, wireless networking that can be subsumed under the term Wireless and Mobile Ad-Hoc Networks and it will foster the exchange of researchers from different areas to discuss and exchange ideas and approaches.

Recent years have shown that many challenges in Wireless and Mobile Ad-Hoc Networks require a holistic view and cross-layer approach to be solved. Therefore, the WMAN 2011 workshop aims at combining relevant work from the lower radio transmission layer all the way up to the application layer in a coherent manner. Furthermore, specific application scenarios, such as vehicle-to-vehicle communications or submarine communications are of high interest.

Authors are invited to submit original and previously unpublished work on issues related to, but not limited by, the following list of topics:

- Basic Technologies (IEEE 802.11, Bluetooth, ZigBee, …) and their suitability for ad-hoc networks
- Lower layer support for Ad-hoc Networks
- Architectures and protocols
- Routing mechanisms for ad-hoc networks
- QoS in ad-hoc environments
- Auto-configuration and inter-networking with other networks (like the Internet)
- Security, privacy, and data protection in ad-hoc networks
- Scalability and simulations of performance
- Energy efficiency
- Localization and location-based services in ad-hoc networks
- Applications and application architectures (e.g., P2P) for ad-hoc networks
- Software platforms and middleware for ad-hoc networks
- Vehicular Ad-hoc Networks (VANETs)
- Wireless Sensor Networks (WSNs)
- Mesh networks
- Ad-hoc in ubiquitous computing scenarios
- Authentication, Authorization, Accounting (AAA)
- Design and management of ad-hoc networks
- Methods, models, and tools for designing, testing, and analyzing ad-hoc networks
- Scalability and simulations
- Architectures and protocols for large ad-hoc networks
- Case-studies and experiences with of production-use ad-hoc networks
- New application scenarios for ad-hoc networks

Papers and Submissions

Papers are solicited as full papers (in English language), each of which will be subject to a full peer review process. Submissions must not be published previously and must not be under review elsewhere. Submissions have to follow the author guidelines and must include: title, authors, affiliations, and a maximum of a 200 word abstract. The corresponding author should be identified clearly, including name, position, mailing address, telephone and fax numbers, and e-mail address. We accept only PDF-based submission of papers.

Workshop papers are planned to be published in the open access journal ECEASST and will also be distributed to the participants of the conference in electronic form. All papers have to be formatted according to KiVS layout requirements for workshops. The maximum page limit is 12 pages. Templates (LaTeX and Word) for WMAN papers and all further details on electronic submission (in PDF format) can be found on the workshop

web page. See *http://journal.ub.tu-berlin.de/index.php/eceasst/issue/view/24* for the workshop proceedings from 2009.

Please submit your paper via the KiVS submission system. See http://www.kivs11.de/ for details.

Important Dates

Deadline for submissions: October 31, 2010
Notification of acceptance: November 28, 2010
Camera ready version: December 19, 2010.

Organization/TPC Co-chairs

Matthias Frank Universität Bonn
Frank Kargl, University of Twente
Burkhard Stiller, Universität Zürich

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Ralf Tönjes, FH Osnabrück
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Michael Weber, Universität Ulm

General Information

The workshop will be organized on Thursday March 10 (afternoon) and Friday March 11 (morning), 2011, as a full-day event in the week of the KiVS (Communications and Distributed Systems) conference, which will be held March 8-11, 2011, in Kiel, Germany. For registration details, please visit the KiVS website at http://www.kivs11.de/.

For further information on WMAN 2011 please visit http://wman2011.cs.uni-bonn.de/ or contact the organization via e-mail at *wman2011@cs.uni-bonn.de*.