



Call for Participation
**6th Intl. Workshop on Applications
 and Services in Wireless Networks**
 May 29-31, 2006, Berlin, Germany
 www.aswn2006.org

Technically
 co-sponsored by

IEEE TCPC
 and
 WWRP

General Chair:

Radu Popescu-Zeletin, Fraunhofer FOKUS,
 zeletin@fokus.fraunhofer.de

Technical Program Chairs:

Stefan Arbanowski, Fraunhofer FOKUS,
 arbanowski@fokus.fraunhofer.de

Wolfgang Kellerer, DoCoMo Euro-Labs,
 kellerer@docomolab-euro.com

Stephan Steglich, TU Berlin,
 stephan.steglich@tu-berlin.de

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 Stephan Steglich, TU Berlin, Germany
 Djamal Zeghlache, INT-GET, France

Technical Program Committee:

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 Djamal Zeghlache, INT-GET, France

ASWN 2006 is the sixth international **Workshop on Applications and Services in Wireless Networks** following successful events in France, Switzerland and the US. The workshop addresses the challenges and advanced technologies supporting future wireless applications and services in mobile systems that span all wireless architectures and technologies, such as cellular, WLAN, WPAN, ad hoc, and sensor networks.

The 2006 special theme is the integration of latest technological advances to realize ubiquitous service environments for innovative Applications and Services in Wireless Networks. Special attention will be given to sensor network applications, peer-to-peer communication and system interworking aspects including emerging issues like cross layer optimization. The format of the workshop is based on three-day single-track sessions, including one keynote presentation, 32 regular paper presentations and two tutorials from academia and industry. On the second day a panel featuring *'The Car as Sensor and Service Provider'* with international experts in the field will be held.

Specific areas of interest in Applications and Services on Wireless Networks include, but are not limited to the following topics:

- Sensor networks and applications
- Peer to peer communication for infrastructure-less environments
- Nomadic Services
- Emergency communication
- Personalized services and applications
- Context acquisition, interpretation, and awareness
- Platforms and service support for ubiquitous service provisioning
- Middleware for handhelds and mobile services nodes
- Mobile service interworking
- Service discovery: protocols and frameworks
- Naming and addressing
- Media & content distribution over wireless networks
- Cross-layer design
- Cooperative Networks & Self Organizing Systems
- Reconfigurable Systems and Networks
- Advances in WPAN, Personal Services and Networks
- Mobile Ad-Hoc Networks and Multi-hop Wireless
- Performance of Wireless Networks and Systems
- QoS Profiling and Pricing, end-to-end QoS

Please find the workshop program and registration details at:

www.aswn2006.org

IMPORTANT DATES:

Early bird registration: April 15th, 2006

Normal registration: May 22nd, 2006

Workshop: May 29th-31st, 2006

For further information please contact programchairs@aswn2006.org

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Advance Program

Day 1 - May 29, 2006

8:00 – 9:00	Registration	
9:00 – 12:30	Tutorial 1: IP-Oriented QoS in the Next Generation Networks: application to wireless networks Pascal Lorenz	Tutorial 2: Peer-to-Peer Networks, Applications and Services J. Eberspächer, S. Zöls, G. Kunzmann, W. Kellerer
12:30 – 14:00	Lunch (for Tutorial participants) & Registration	
14:00 – 14:20	Welcome and Opening General Chair Prof. Radu Popescu-Zeletin	
14:20 – 16:00	Session 1: Personalized and context-aware Services	
	User Profile Management for personalizing services in pervasive computing Olivier Coutand; Michael Sutterer; SianLun Lau; Olaf Droegehorn; Klaus David	
	Context Reuse in Application-oriented Context Awareness Daisuke Yamada; Taro Nakao; Tatsuya Nakamura; Shigetoshi Yokoyama	
	Enabling Intents based call from Caller Subodh Sohi; Anshuman Sinha	
16:20 – 18:00	Session 2: Sensor Networks and Applications	
	Improving Bandwidth Utilization in Medical Sensor Networks Mohamed Chedly Ghedira; Bastien Mainaud; Hossam Afifi; Abdelfettah Belghith	
	A Routing and Power Control Protocol for Energy Efficient Wireless Sensor Networks George Bravos; Athanasios Kanatas	
	On the Use of Wireless Mobile Ad-hoc Sensor Networks for the Very Large Scale Animal Monitoring Milena Radenkovic,, Bartosz Wietrzyk	

Coffee will be served in between the sessions.

Day 2 - May 30, 2006

8:00 – 9:00	Registration
9:00 – 9:30	Invited Presentation: Dr. Mikhail Smirnov "Autonomic Communications"
9:30 – 10:20	Session 3: Decentralized Services
	<i>A fully distributed recommendation system for pervasive devices</i> Seamus Moloney
	<i>Avoiding broadcast storms in inter-vehicular warning delivery services</i> Roberta Fracchia; Michela Meo; Dario Rossi
10:30 – 12:15	Panel: "The Car as Sensor and Service Provider" Panel Chair: Prof. Dr. Josef Noll, UniK & Telenor R&D, Norway Panelists: Ralf Guido Herrtwich (Daimler Chrysler), Françoise Petersen (ETSI), Amardeo Sarma (NEC), Hans-Jörg Vögel (BMW)
12:15 – 13:45	Lunch
13:45 – 15:25	Session 4: Middleware for Handhelds and Mobile Service Nodes
	<i>Context-aware multimodal output selection for the Device and Modality Function (DeaMon)</i> Ralf Kernchen; Bernd Mrohs; Marcin Sałaciński; Klaus Moessner
	<i>DESES: Middleware for Dynamic End-to-end Session-Enhancing Services for Java-enabled Mobile Phones</i> Dimitris Kalofonos; Parijat Shah; Elias Manolakos
	<i>Resource Efficient Mobile Blogging System</i> Petros Belimpasakis; Rod Walsh
	<i>USTplus: Exploiting Hierarchical P2P Overlay to Decentralize the Architecture for Distributed Terminal System</i> Hu Zheng; Han Xihai; Ji Yang; Ping Zhang
15:45 – 17:00	Session 5: Performance and QoS in wireless Networks and Systems
	<i>Performance Analysis of Bluetooth Terminals in a Piconet-Intensive Environment</i> Xu Mingdong; Abdur Rahim
	Quality of Service Support in NEMO Networks Mazen Tlais; Houada Labiod
17:05 – 18:00	Session 6: Location-based Services
	<i>Seamless Adaptive Location-Based Services using Heterogeneous Positioning Technologies and Multiple Location Servers</i> Maximilian Zuendt; Peter Ippy; Bernd Laqua
	<i>Bayesian Filtering for Localization of Mobile Terminals</i> Mohamed Khalaf-Allah; Kyandoghene Kyamakya
19:00 –	Dinner at Meilenwerk (www.meilenwerk.de)

Day 3 - May 31, 2006

8:00 – 9:00	Registration
9:00 – 10:40	Session 7: Cross-Layer Design (CLD)
	<i>Performance Evaluation of a Cross-layer based Wireless Interface Dynamic Selection on WPAN/WLAN Heterogeneous Environments: An Experimental Approach.</i> Jorge Lanza; Luis Sánchez; Luis Muñoz
	<i>A Cross-layer Mobility Adaptation Framework</i> Rolf Winter; Jochen Schiller
	<i>A Cross-Layer Design for 4G Wireless Real-Time Video Communications</i> Zhikui Chen; Yan Tang; Paul Christ
	<i>Quick NAP - Secure and Efficient Network Access Prototocol</i> Jari Arkko; Pasi Eronen; Hannes Tschofenig; Seppo Heikkinen; Anand Prasad
11:00 – 12:15	Session 8: Mobile Service Platforms and Architectures I
	<i>Seamless Service Access for Mobile SIP-based Applications and IMS Services on Top of Different Access Networks</i> Fabricio de Gouveia; John Floroiu; Thomas Magedanz
	<i>An OSGi-based mobile service middleware for 4G adaptive multimedia services</i> Ming Yin; Joachim Fuchs; Thomas Springer; Frank Steuer
	<i>Next Generation Service Architecture: Challenges and Approaches</i> Adel Al-Hezmi; Bernd Mrohs; Christian Räck; Muslim Elkotob; Stephan Steglich
12:15 – 13:45	Lunch
13:45 – 15:00	Session 9: Mobile Service Platforms and Architectures II
	<i>A distributed mechanism to resolve dynamically Feature Interaction in the UMTS IP Multimedia Subsystem</i> Noel Crespi
	<i>Implementation of an Authentication and Authorization Architecture for Mobile Internet Users</i> Thomas Spreng; Torsten Braun; Marc Steinemann; Attila Weyland
	<i>Addressing the challenges of B3G service delivery: the SPICE service platform</i> Christophe Cordier; Francois Carrez; Herma van Kranenburg; Carlo Licciardi; Jan Van Der Meer; Antonietta Spedalieri; Jean-Pierre Le Rouzic; Josip Zoric
15:15 – 16:30	Session 10: Wireless Network Technologies
	<i>Service publishing to support an efficient 802.11 network selection</i> Dario Di Sorte; Mauro Femminella; Gianluca Reali
	<i>A Transmit Power Control Proposal for IEEE 802.11 Cellular Networks</i> Elena Lopez-Aguilera; Jordi Casademont
	<i>A Class Based Dynamic Admitted Time Limit Admission Control Algorithm for 802.11e EDCA</i> Aleksander Bai; Bjorn Selvig; Tor Skeie; Paal Engelstad
16:30 – 16:45	Closing Panel