

European Wireless 2012

Poznań, April 18 - 20

Call for Papers

The 18th European Wireless Conference (EW 2012) will take place in Poznań, Poland, from 18-20 April 2012 and will be hosted by Poznań University of Technology (www.put.poznan.pl) with the cooperation of Polish Society of Theoretical and Applied Electrical Engineering.

Poznań, a commercial, industrial, cultural and scientific center of western Poland, is conveniently located halfway between the cities of Warsaw and Berlin. Poznań University of Technology is amongst the best technical universities in the country.

The 2012 edition is aimed at addressing a key theme on "Cooperative Communications". Cooperative algorithms in the physical and higher layers help in approaching theoretical performance limits of wireless systems.

Acceptance of submitted papers will be based on quality, relevance and originality. Proposals for special sessions and tutorials are also invited.

Proceedings of EW 2012 will be available on CD and will be published in IEEEExplore.

For more information related to the conference, please visit www.ew2012.org

AREAS OF INTEREST

TRANSMISSION TECHNIQUES AND SIGNAL PROCESSING

Modulation and Coding for Wireless Communications
Signal Processing for Wireless Communications
Synchronization, Channel Estimation,
Equalization Iterative Detection and Processing
MIMO Systems, Space-Time Coding, Diversity
Fundamental Limits, Information Theory
Multiple Access Schemes,
Multiuser Detection Algorithms
Interference Mitigation and
Management Techniques
Network Coding and Cooperative Diversity and Processing
Adaptive Systems
OFDM and OFDMA
Localization and Positioning
Source and Joint Source/Channel Coding
Physical Security
Spectrum Sensing and Parameter Estimation

RADIO CHANNEL AND RF SUBSYSTEMS

Radio Channel Measurements
Radio Channel Modeling and Estimation
Antenna Issues in Wireless Communications
Smart Antennas and MIMO systems
Compact Antennas for Mobile Terminals
Modeling and Mitigation of RF System Imperfections

WIRELESS NETWORKING

Relay based cellular networks
Ad-hoc and Mesh Wireless Networks

Transport Layer Issues in Mobile and Wireless Networks
Cross-layer Issues
Protocols and Architecture for Wireless Networks
Radio Resource Management
Mobility Management and Billing Technologies
QoS and Resource Allocation in Mobile Networks
Security and Robustness in Wireless Networks
Mobile/Wireless Networks Modeling and Simulation
Heterogeneous Wireless Networks
Wired-Wireless Integration

SUSTAINABLE AND ADVANCED WIRELESS TECHNOLOGY

Cooperative Techniques
Power Management
Interference Alignment
Resource Allocation and Game Theory
Near field communications and RFID
Cross-layer Design in Mobile and Wireless Networks
Ultra-Wideband Communications
Software Radio & Re-configurability
Cognitive Radio and Networks
2G-3G-4G Migration, Convergence and Interworking
WiFi, WiMAX, 3GPP LTE
Wireless LAN/PAN/BAN
Location-based Services and Positioning
Wireless Broadband Mobile Access
Testbeds and Experimental Systems
Sensor Networks Technologies and Protocols
Mobile Social Networks

BEST STUDENT PAPER AWARDS

Papers bearing a PhD student as the first author will be considered for the European Wireless Best Paper Awards. Papers qualifying for the award shall be submitted to the Student Papers Chairs. Topical papers will be invited for upgrading content to be published in European Transactions in Telecommunication.

SUBMISSION

All paper submissions will be handled electronically via EDAS (<http://edas.info>).
A specific submission page will be set-up in the general conference website.

IMPORTANT DATES

November 11, 2011 Paper Submission
January 9, 2012 Notification of Acceptance

February 10, 2012
December 31, 2011

Camera-Ready Version Due
Proposal for Tutorials

GENERAL CHAIRS

Krzysztof Wesolowski
Poznań University of Technology
Paweł Szulakiewicz
Poznań University of Technology

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Poznań University of Technology

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Krystyna Horemska
PTETiS

SECRETARIATE AND REGISTRATION

Dorota Nawrocka
Poznań University of Technology

www.ew2012.org