

First Call for Papers

The 17th European Wireless Conference will take place in the city of Vienna, Austria, from April 27 to April 29, 2011 and will be hosted by the Vienna University of Technology (www.tuwien.ac.at). Vienna is located in the heart of Europe, in a cosmopolitan city of great cultural diversity. Vienna University of Technology is among the most successful technical universities in Europe and is Austria's largest scientific-technical research and educational institution.

The 2011 edition of the conference will revolve around a main theme: "Sustainable Wireless Technologies". One of the key objectives of research in wireless communication is becoming increasingly important besides the transition to distributed architectures: enabling energy efficiency and sustainability. Proceedings of EW 2011 will be published in IEEEExplore, as can be seen on www.europeanwireless.org or www.ew2010.org. Acceptance will be based on quality, relevance and originality. Proposals for special sessions and tutorials are also invited.

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

General Chairs

Christoph Mecklenbräuer
Vienna University of Technology
Markus Rupp
Vienna University of Technology

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FTW and Aalborg University
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ÖVE

www.ew2011.org

BEST STUDENT PAPER AWARDS AND PHD DEFENSE WORKSHOP

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 Journal.

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 7, 2010	Paper Submission	February 14, 2011	Camera-Ready Version Due
January 24, 2011	Notification of Acceptance	December 31, 2010	Proposal for Tutorial