

# European Wireless 2009

## Call for papers

Aalborg, Denmark, May 17-20, 2009

Jointly organized by Aalborg University (AAU), Denmark, and by VTT, Finland, the 15th European Wireless Conference will take place in Aalborg, from May 17 to 20, 2009. Its scope is to bring together a highly qualified group of people with interest in wireless and mobile networks to relax with old friends, make new contacts, and encourage the exchange of ideas among participants. The conference is seeking technical papers describing original, previously unpublished research results for oral and poster sessions. Furthermore a call for tutorials and panels is launched too.

Specific topics of interest include, but are not limited to, the following subjects.

### 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

### Radio Network Aspects

- Ad-hoc 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

### Radio Channel and RF Subsystem

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

### Radio Communication Systems and Technology

- Ultra-Wideband Communications
- Software Radio & Re-configurability, Cognitive Radio
- Cross-layer Design in Mobile and Wireless Networks
- Power Management for Small Terminals
- 2G - 3G - 4G Migration, Convergence and Interworking
- WiFi, WiMAX, 3GPP LTE
- Wireless LAN/PAN/BAN
- Location-based Services and Positioning
- High Altitude Platforms and Satellites
- Wireless Broadband Mobile Access
- RFID
- Cooperative Techniques
- Experimental Systems
- Cognitive Radio and Networks
- Sensor Networks Technologies and Protocols
- Mobile Social Networks

### Paper submission

Papers need to be uploaded to the EDAS system. Papers should be in English, not exceeding 5 double-column pages (a maximum of one page overlength is allowed which will be charged for), and should follow IEEE paper templates. Accepted papers will be published in the IEEEExplore. They will be presented either orally or by means of a poster. Unless specifically requested by the submitting author, the decision on accepting a paper in poster format is up to the respective track chairs.

### Important Dates

Submission deadline  
~~31 January 2009~~ extended  
**12 February 2009**  
 Acceptance notification  
 15 April 2009  
 Camera ready  
 1 May 2009

### Keynote speakers



Prof. Gerhard Fettweis, University of Dresden



Prof. Jean-Pierre Hubaux, EPFL



Prof. Muriel Médard, MIT



Dr. Dominic O'Brien, University of Oxford



Prof. Vahid Tarokh, Harvard



Prof. Jens Zander, KTH

### Committees

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 Pavel Loskot (Swansea University, UK)  
 Yves Louet (SUPELEC-Rennes Campus, France)  
 David Love (Purdue University, US)  
 Marco Luise (University of Pisa, Italy)  
 Garegin Markarian (Lancaster University, UK)

David Matolak (Ohio University, US)  
 Dominic O'Brien (Oxford University, UK)  
 Claude Oestges (Univ. catholique Louvain, Belgium)  
 Geir Oien (NTNU, Norway)  
 Dirk Pesch (Cork Institute of Technology, Eire)  
 Ramesh Pyndiah (TELECOM Bretagne, France)  
 Michele Rossi (University of Padova, Italy)  
 Angelos Rouskas (Univ. of the Aegean, Greece)  
 Joachim Sachs (Ericsson Res., Aachen, Germany)  
 Oriol Sallent (Univ. Politècnica de Catalunya, Spain)  
 Robert Schober (Univ. of British Columbia, Canada)  
 Patrick Seeling (Univ. Wisconsin-Stevens Point, US)  
 Isabelle Siaud (France Telecom R&D, France)  
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