



# IFIP WIRELESS DAYS CONFERENCE 2008

Dubai, United Arab Emirates, November 24 - 27, 2008

[http://www-phare.lip6.fr/Wireless\\_Days/](http://www-phare.lip6.fr/Wireless_Days/)

Conference Co-Chairs: Guy Pujolle, Khaldoun Alagha and Mohammed Al-Mualla

Sponsoring: IFIP, IEEE



IFIP Wireless Days Conference is a major international conference which aims to bring together researchers, technologists and visionaries from Academia, research labs and industry, engineers and students to exchange, discuss and share their experiences, ideas and research about theoretical and practical aspects of wireless networking. The conference will include presentations of theoretical and experimental achievements, innovative wireless systems, prototyping efforts, case studies and advances in technology related to wireless networking and communications infrastructures. IFIP Wireless Days Conference program will include the following five conference tracks:

Track 1: <b>Second Home Networking Conference</b>	Track 2: <b>Ad Hoc and Sensor Networks</b>	Track 3: <b>Broadband Wireless</b>	Track 4: <b>Signal Processing for Wireless Communications</b>	Track 5: <b>Network Control conference (NETCON 2008)</b> <i>Special focus on wireless and mobility</i>
<p><b>Program Chair:</b> Nadjib Achir, Univ. Paris 13, France <a href="mailto:nadjib.achir@l2ti.univ-paris13.fr">nadjib.achir@l2ti.univ-paris13.fr</a></p> <p><b>Publicity Chair:</b> Xavier Carcelle, Open Pattern</p>	<p><b>Program Chair:</b> Khaled Boussetta, Univ. Paris 13, France <a href="mailto:khaled.boussetta@l2ti.univ-paris13.fr">khaled.boussetta@l2ti.univ-paris13.fr</a></p> <p><b>Publicity Chair:</b> Dario Maggiorini, Univ. of Milan, Italy</p>	<p><b>Program Chair:</b> Tijani Chahed, Telecom SudParis, France <a href="mailto:tijani.chahed@it-sudparis.eu">tijani.chahed@it-sudparis.eu</a></p> <p><b>Publicity Chair:</b> Dario Maggiorini, Univ. of Milan, Italy</p>	<p><b>Program Chair:</b> Ridha Hamila, Khalifa University, UAE <a href="mailto:ridha.hamila@tut.fi">ridha.hamila@tut.fi</a></p> <p><b>Publicity Chair:</b> A. Al-Dweik, Khalifa University, UAE</p>	<p><b>Program Co-Chairs:</b></p> <ul style="list-style-type: none"> <li>Olli Martikainen, Finland, <a href="mailto:Olli.Martikainen@etla.fi">Olli.Martikainen@etla.fi</a></li> <li>Reda Reda, Austria, <a href="mailto:reda@ictmc.com">reda@ictmc.com</a></li> </ul>
<ul style="list-style-type: none"> <li>Wireless networks (Wi-Fi, UWB, ZigBee, 6LowPAN)</li> <li>Home Networking Routing Protocols</li> <li>PLC (HomePlug, OPERA, UPA, CEPICA, IEEE)</li> <li>PLC QoS Management</li> <li>DLNA, UPnP, Rally, etc.</li> <li>Internet-Box, set-top-box, bridge, gateway, etc.</li> <li>Access Networks (ADSL, VDSL, optical, etc)</li> <li>Home Gateway</li> <li>DSL Forum, HGI, Home DVB</li> <li>Vertical handover</li> <li>Wireless QoS Management</li> <li>Home Network Security</li> <li>Ambient intelligence</li> <li>Autonomic Home Networking</li> <li>New Home Applications</li> <li>Performance &amp; Experiment</li> </ul>	<ul style="list-style-type: none"> <li>Unicast and multicast routing</li> <li>MAC protocols and scheduling</li> <li>Radio resource sharing in wireless networks</li> <li>Protocols and mechanisms for QoS support</li> <li>Self-organization and network reconfiguration</li> <li>Security in MANET and WSN</li> <li>Fault tolerance and error recovery</li> <li>Energy-efficient communications</li> <li>Multimedia applications</li> <li>Middleware</li> <li>P2P and overlay networks over MANET</li> <li>Vehicular Ad-Hoc Networks</li> <li>UnderWater Sensor Networks</li> <li>Modeling and optimization</li> <li>Algorithmic challenges in wireless networks</li> <li>Implementations, testbeds, and prototypes</li> </ul>	<ul style="list-style-type: none"> <li>Broadband wireless technology HSDPA, HSUPA, LTE, WiMAX, WiRAN</li> <li>Radio resource management</li> <li>Scheduling and queuing</li> <li>Quality of service</li> <li>Capacity planning and dimensioning</li> <li>New network architecture and operation</li> <li>Protocols and algorithms</li> <li>Cross-layer modeling and design</li> <li>Heterogeneity and diversity</li> <li>Relays</li> <li>Cooperative networking</li> <li>Mesh networking</li> <li>Vertical, horizontal and diagonal handover</li> <li>Experiments, measurements and testbeds</li> <li>Spectrum management</li> <li>Cognitive radio</li> <li>Mobility and multihoming</li> <li>Interference control</li> <li>Pricing</li> </ul>	<ul style="list-style-type: none"> <li>Modulation, coding and synchronization</li> <li>Detection and estimation</li> <li>Space-time coding and processing</li> <li>Wireless channel capacity and information theory</li> <li>Propagation, antennas and channel characterization</li> <li>Diversity techniques and equalization</li> <li>Signal separation and interference rejection</li> <li>Multirate and multicarrier communications</li> <li>Multiple access techniques, OFDMA, TDMA and CDMA technologies and systems</li> <li>DSP applications to wireless systems</li> <li>Location estimation and tracking</li> <li>Ultra-wideband communications (UWB)</li> <li>Power control and allocation algorithms</li> <li>Multimedia communications</li> <li>Personal communications</li> <li>Satellite communications</li> <li>Broadband wireless communications</li> </ul>	<ul style="list-style-type: none"> <li>Mobility control and mobility engineering</li> <li>Policy models for mobility</li> <li>Mobile video surveillance</li> <li>Pervasive/ubiquitous/wearable mobile systems</li> <li>Security and privacy issues for mobile and wireless systems</li> <li>Mobility and QoS management</li> <li>Control schemes in ad-hoc networks</li> <li>Personal area networks QoS and security</li> <li>Seamless handover engineering</li> <li>Wireless control standards and technologies</li> <li>Evaluation assurance for mobile networks</li> <li>IEEE 802.11 engineering</li> <li>Control for 3G LTE, 4G and beyond</li> <li>Smart devices</li> <li>Smart cards, security and mobility</li> <li>Wireless hacking</li> </ul>

## Steering committee

- Ian F. Akyildiz, Georgia Institute of Technology, USA
- Pedro Cuenca, Universidad de Castilla-la-Mancha, Spain
- Luigi Fratta, Politecnico di Milano, Italy
- Mario Gerla, UCLA, USA
- Ulf Körner, Lund University, Sweden
- Boutaba Raouf, University of Waterloo

## IMPORTANT DATES

**Extended submission deadline: July 20, 2008**  
**(Firm Deadline)**

Notification of acceptance: **September 8, 2008**  
Camera-ready version: **September 21, 2008**

Best papers will be published in Special Issues of the following International Journals:

- Ad hoc Networks** (Elsevier)
- Telecommunication Systems Journal** (Springer)
- Annals of Telecommunications** (Springer)
- EURASIP Journal on Wireless Communications and Networking** (Hindawi)

