The 2\textsuperscript{nd} International Workshop on the Performance Enhancements in MIMO-OFDM Systems (PEMOS 2011)

October 2011, Shanghai, China

In conjunction with

The 7\textsuperscript{th} IEEE International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob 2011) October 11-13, 2011, Shanghai, China (http://conferences.computer.org/WiMob2011)

Purpose and scope

Orthogonal frequency division multiplexing (OFDM) is a promising modulation technique for high data rate wireless transmission. OFDM combined with multiple antennas at the transmitter and receiver (i.e., MIMO) to increase the diversity gain and/or to enhance the system’s performance on time-variant and frequency-selective fading channels, resulting in a MIMO-OFDM configuration. Combining both techniques results in an overall performance enhancement. This workshop brings together academics and active research and development professionals working in the field of wireless communications to promote research ideas and possible collaborations. Audience will be exposed to many performance optimizations in MIMO-OFDM systems and will be able to recognize the impact of such enhancements on the reliability and the efficiency of various MIMO-OFDM standards.

PEMOS 2011 will introduce the research community (industry, academia, and government) to the cutting edge research in the latest wireless communications 'standards including the Long Term Evolution (LTE) and to promote teams’ collaborations among organizations that have relevant expertise to conduct an advanced research in this area.

Important dates

<table>
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<th>Event</th>
<th>Date</th>
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<tr>
<td>Full Papers due</td>
<td>June 5 – June 27, 2011</td>
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<td>Notification of Acceptance</td>
<td>July 11, 2011</td>
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<td>Final Manuscripts due</td>
<td>July 30, 2011</td>
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<td>Workshop date</td>
<td>October 9, 2011</td>
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Topics

The workshop will be organized as one-day event comprising of several technical sessions. The topics include but are not limited to:
- MIMO-OFDM systems
- Smart antenna for MIMO systems
- Cooperative resource allocation techniques
- 3G-4G migration, convergence and interworking
- WiFi, WiMAX, 3GPP LTE
- LTE advanced
- Synchronization and channel estimation
- MIMO and cooperative channel coding
- Applications

All accepted papers will be included in the WiMob 2011 main conference proceedings and published by the IEEE.

Full conference registration will allow the authors of accepted papers to attend the main conference and any organized workshop. The workshop’s paper will need to have at least one author register at the conference.

Authors of selected outstanding papers will be invited to submit extended versions of their papers for consideration of publication in the International Journal of Wireless Communication and Simulation (IJWCS) [http://www.ripublication.com/ijwcs.htm](http://www.ripublication.com/ijwcs.htm)

For more info, please visit [http://www.kustar.ac.ae/PEMOS-2011](http://www.kustar.ac.ae/PEMOS-2011)