

## IEEE ICC 2015 Workshop on *Wireless Physical Layer Security* (WPLS)

Organizing Committee	Call for Paper ( <a href="#">PDF</a> )
<p><a href="#">Eduard Jorswieck</a>, TU Dresden  <a href="#">Zhu Han</a>, Univ. of Houston  <a href="#">Stefano Tomasin</a>, Univ. of Padova  <a href="#">Walid Saad</a>, Virginia Tech  <a href="#">Xiangyun Zhou</a>, ANU</p>	<p>The emergence of large-scale, dynamic, and decentralized wireless networks imposes new challenges on classical security measures such as cryptography. To this end, researchers have been seeking for new security technologies to complement cryptography and significantly improve the overall security of wireless communication networks. One of the most promising ideas is to exploit the physical layer characteristics of the wireless channel such as fading or interference, which are traditionally seen as impediments, for improving the security of wireless transmission against passive (e.g., eavesdropping) or active (e.g., jamming) attacks. This emerging security technique, known as physical layer security, has drawn considerable attention in the past few years.</p>
<p><b>Technical Program Committee</b></p>	<p><b>This workshop is part of the 2015 IEEE International Conference on Communications (ICC) to be held in London, UK between 8 and 12 June.</b> It builds on the success of the <a href="#">ICC'14 edition</a> and is expected to bring together academic and industrial researchers in an effort to identify and discuss the major technical challenges and recent results related to physical layer security in wireless networks. Topics of interest include but are not limited to the following:</p>
<p>Manav R. Bhatnagar, IIT Delhi  Veronica Belmega, ENSEA  Marco Baldi, Univ. Marche  Holger Boche, TU München  Franco Chiaraluce, Univ. Marche  Arsenia Chorti, Princeton  Zhiguo Ding, Newcastle Univ.  Maged Elkashlan, QM Univ. London  Dennis Goeckel, UMASS  Y.-W. Peter Hong, NTHU  Jing Huang, Qualcomm  Gerhard Kramer, TU München  Lifeng Lai, WPI  Ingmar Land, UNISA  Nicola Laurenti, Univ. of Padova  Jemin Lee, SUTD  Ming Li, Utah State Univ.  Shih-Chun Lin, NTUST  Behrouz Maham, Univ. of Tehran  Amitav Mukherjee, Ericsson  Derrick Wing Kwan Ng, UBC  Samir Perlaza, INRIA  Francesco Renna, Univ. of Porto  Aydin Sezgin, RU Bochum  Pin-Hsun Lin, TU Dresden  Rafael Schaefer, Princeton  Mikael Skoglund, KTH  Ravi Tandon, Virginia Tech  Xianbin Wang, UWO  Hui-Ming Wang, Xian Jiaotong Univ.  Nan Yang, ANU  Jinhong Yuan, UNSW  Gan Zheng, Univ. Essex</p>	<ul style="list-style-type: none"> <li>• Secrecy capacity and rate-equivocation region of MIMO, broadcast, or multiple access channels.</li> <li>• Practical code design for physical layer security.</li> <li>• Smart jamming attacks and countermeasures.</li> <li>• Advanced signal processing and other space-time secure transmission techniques.</li> <li>• Secure relaying and cooperative transmission techniques.</li> <li>• Secure cross-layer design techniques.</li> <li>• Game theory for wireless physical layer security.</li> <li>• Secrecy graph and other stochastic geometry approaches.</li> <li>• Secret key generation and agreement.</li> <li>• Experimental results on enhancing secrecy at the physical layer.</li> </ul> <p>The workshop features two keynotes given by world leading researchers in the field:</p> <ul style="list-style-type: none"> <li>• Professor Wade Trappe, Rutgers University</li> <li>• Dr. Rafael Schaefer, Princeton University</li> </ul> <p>Another highlight is a panel discussion with invited panelists from industry and regulatory bodies. More details will follow soon.</p> <p>The workshop accepts only novel, previously unpublished papers. All submissions should be written in English with a maximum paper length of six (6) printed pages (10-point font) including figures without incurring additional page charges (maximum 1 additional page with over-length page charge if accepted)  <a href="http://icc2015.ieee-icc.org/authors">http://icc2015.ieee-icc.org/authors</a></p>
<p><b>Important Dates</b></p>	
<p><b>Paper Submission: 31 January 2015</b>  Acc. Notification: 1 March 2015  Camera Ready: 15 March 2015  Workshop: xx June 2015</p>	<p><b>Workshop Paper Submission:</b>  <a href="http://edas.info/newPaper.php?c=18679&amp;track=66295">http://edas.info/newPaper.php?c=18679&amp;track=66295</a></p>