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# ICEAA - IEEE APWC



September 12 – 16, 2011      Torino, Italy

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## ICEAA 2011

*International Conference on  
Electromagnetics in Advanced Applications*

## IEEE APWC 2011

*IEEE-APS Topical Conference on  
Antennas and Propagation in Wireless Communications*

The thirteenth edition of the *International Conference on Electromagnetics in Advanced Applications* (ICEAA 2011) is supported by the Politecnico di Torino, by the Istituto Superiore Mario Boella and by the Torino Wireless Foundation, with the principal technical cosponsorship of the IEEE Antennas and Propagation Society and the technical cosponsorship of the International Union of Radio Science (URSI). It is coupled to the first edition of the *IEEE-APS Topical Conference on Antennas and Propagation in Wireless Communications* (APWC 2011). The two conferences consist of invited and contributed papers, and share a common organization, registration fee, submission site, workshops and short courses, and social events. The proceedings of both conferences will be published on IEEE Xplore.

### Suggested Topics for ICEAA

Adaptive antennas  
Complex media  
Electromagnetic applications to biomedicine  
Electromagnetic applications to nanotechnology  
Electromagnetic education  
Electromagnetic measurements  
Electromagnetic modeling of devices and circuits  
Electromagnetic packaging  
Electromagnetic properties of materials  
Electromagnetic theory  
EMC/EMI/EMP  
Finite methods  
Frequency selective surfaces  
Integral equation and hybrid methods  
Intentional EMI  
Inverse scattering and remote sensing  
Metamaterials  
Optoelectronics and photonics  
Phased and adaptive arrays  
Plasma and plasma-wave interactions  
Printed and conformal antennas  
Radar cross section and asymptotic techniques  
Radar imaging  
Random and nonlinear electromagnetics  
Reflector antennas  
Technologies for mm and sub-mm waves

### Suggested Topics for APWC

Active antennas  
Antennas and arrays for security systems  
Channel modeling  
Channel sounding techniques for MIMO systems  
Cognitive radio  
Communication satellite antennas  
DOA estimation  
EMC in communication systems  
Emergency communication technologies  
Indoor and urban propagation  
Low-profile wideband antennas  
MIMO systems  
3.5G and 4G mobile networks  
Multi-band and UWB antennas  
OFDM and multi-carrier systems  
Propagation over rough terrain  
Propagation through forested areas  
RFID technologies  
Signal processing antennas and arrays  
Small mobile device antennas  
Smart antennas and arrays  
Space-time coding  
Vehicular antennas  
Wireless mesh networks  
Wireless security  
Wireless sensor networks

### Information for Authors

Authors must submit a full-page abstract electronically by ~~February 25, 2011~~ **Extended to March 11, 2011**. Authors of accepted contributions must submit the full paper, executed copyright form and registration electronically by June 3, 2011. Instructions are found on the website. Each registered author may present one paper at ICEAA and one paper at IEEE APWC. One additional paper may also be accepted if space permits, but will incur a supplemental publication fee of 100 Euro. All papers must be presented by one of the authors. Please refer to the website for details.

### Deadlines

Abstract submission  
Notification of acceptance  
Full paper and presenter registration

~~February 25, 2011~~ **Extended to March 11, 2011**  
April 8, 2011  
June 3, 2011

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