

Call for Papers

2017 International Workshop on Antenna Technology:
Small Antennas, Innovative Structures, and Applications
www.iwat2017.org



March 1st - March 3rd, 2017
Athens, Greece.



IEEE



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The International Workshop on Antenna Technology (iWAT) is an annual forum for the exchange of information on the research and development in innovative antenna technologies. It especially focuses on small antennas and applications of advanced and artificial materials to the antenna design. At iWAT, all the oral presentations are delivered by invited prominent researchers and professors. iWAT has a particular focus on posters by which authors have the opportunity to interact with leading researchers in their fields. iWAT2017 is a continuation of a series of annual international antenna workshops held in Singapore (2005), White Plains, USA (2006), Cambridge, UK (2007), Chiba, Japan (2008), Santa Monica, USA (2009), Lisbon, Portugal (2010), Hong Kong, PRC (2011), Tucson, USA (2012), Karlsruhe, Germany (2013), Sydney, Australia (2014), Seoul, Republic of Korea (2015), and Cocoa Beach, Florida, USA (2016).

The workshop is technically sponsored by *IEEE AP-S* and *IEEE Greece Section* and financially sponsored by University of Patras (UP).

Special interests: Applications of Antennas in Medical Technologies

Topics include but are not limited to the following:

Small Antennas

- Adaptive (smart) arrays
- Antenna Design and Analysis Based on Characteristic or Eigen Modes
- Antenna measurements
- Antennas on/in IC packages
- Body-Centric Antennas
- Broadband antennas
- Conformal antennas
- Magnetic Nanoparticles, Graphene or Carbon-nanotubes in Antennas
- Measurements for SAR of handheld devices
- MEMS/nano technology for antennas
- Terahertz Nano and optical antennas
- Modeling and simulations
- Non-Foster/active elements
- On-chip antennas
- Reconfigurable antennas
- Reflectarrays
- Ultra-wideband (UWB) antennas
- Wearable, Implanted and Encapsulated antennas
- 3D printed antennas and structures

Innovative Structures

- Analysis and design of EM materials
- Artificial magnetic conductors (AMC)
- Electromagnetic anisotropy
- Electromagnetic bandgap (EBG) structures

- Frequency selective surfaces (FSS)
- Single and double negative metamaterials
- Electromagnetic Skins: Epidermal, Flexible and Stretchable Antennas, Sensing Substrates

Applications

- Automotive systems
- Biomedical and Healthcare applications
- Bluetooth/WLAN (PDAs, laptops)
- Energy harvesting
- Hyperthermia and RF Ablation
- GPS systems
- Medical Diagnostic and Therapeutic Applications.
- Millimeter-wave/terahertz communications and imaging
- MIMO systems
- RFID antennas and Wireless Sensing systems
- Software-defined / cognitive radio
- Satellite communications
- UWB communications
- WBAN systems,
- Wireless communication systems (handheld devices, base stations)
- Wireless power transmission and harvesting for implanted systems
- 5G communication systems

Important Dates

Deadline of paper submission:
Notification of acceptance:

November 7, 2016
December 12, 2016

Paper Submission Guidelines

Authors **MUST** submit camera-ready papers that are **2 to 4 pages** including figures by **November 7th, 2016** via the workshop website. All papers must be formatted in two-column IEEE format including figures and electronic submissions must meet all IEEEExplore specifications. See the workshop website for templates and more information on creating acceptable electronic files.