

International Workshop on Antenna Technology

FEBRUARY 25-28, 2020



Hotel InterContinental
Bucharest, ROMANIA
<http://iwat2020.org>



The International Workshop on Antenna Technology (iWAT) is an annual forum for the exchange of information on the progress of research and development in innovative antenna technology. 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. iWAT is a series of annual international antenna workshops which has been held in Singapore (2005), White Plains, USA (2006), Cambridge, UK (2007), Chiba, Japan (2008), Santa Monica, USA (2009), Lisbon, Portugal (2010), Hong Kong, China (2011), Tucson, USA (2012), Karlsruhe, Germany (2013), Sydney, Australia (2014), South Korea (2015), Orlando, USA (2016), Athens, Greece (2017), Nanjing, China (2018), Miami, USA (2019).

Topics include, but will not be limited to:

Small antennas

- Adaptive (smart) arrays
- Antennas for 5G communications
- 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
- Millimeter-wave/Terahertz antennas
- Modeling and simulations
- Non-Foster/active elements
- On-chip antennas
- Reconfigurable antennas
- Reflectarrays
- Ultra-wideband (UWB) antennas
- Wearable 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)
- Fractal Structures
- Single and double negative metamaterials
- Electromagnetic Skins: Epidermal, Flexible and Stretchable Antennas, Sensing Substrates
- Automotive systems
- Biomedical and Healthcare Applications
- Bluetooth/WLAN (PDAs, laptops)
- Energy harvesting
- Hyperthermia and RF Ablation
- Satellite navigation systems
- Medical Diagnostic and Therapeutic Applications.
- Millimeter-wave/terahertz communications and imaging
- MIMO systems

Applications

- RFID antennas and Wireless Sensing systems
- Software-defined / cognitive radio
- Space applications and satellite communications
- UWB communications
- WBAN systems
- Wireless communication systems (handheld devices, base stations)
- Wireless power transmission and harvesting for implanted systems
- 5G communication systems
- Simultaneous transmit and receive systems
- Antenna measurements

CALL for PAPERS

IMPORTANT DATES

Deadline of paper submission:
October 4, 2019

Notification of acceptance:
November 29, 2019

Paper submission guidelines:

Authors MUST submit cameraready papers that are 2 to 4 pages including figures by October 4, 2019 via the workshop website <http://iwat2020.org>.

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.

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