

Call for Papers



2008 IEEE International Workshop on Antenna Technology: Small Antennas and Novel Metamaterials March 4-6, 2008, Chiba, Japan

<http://www.ap.tu.chiba-u.jp/iwat2008/>



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The International Workshop on Antenna Technology is an annual IEEE forum for the exchange of information on the progress of research and development in innovative antenna technology, and will especially focus on the small antennas, and applications of advanced and artificial materials to antenna design. iWAT2008 is a continuation of a series of annual international antenna workshops held in Singapore (2005); White Plains, USA (2006); and Cambridge, UK (2007).

The workshop is sponsored and organized by the IEEE AP-S Japan Chapter, Chiba University and Chiba Convention Bureau and International Center, and is held in cooperation with IEEE AP-S, IEEE AP-S Nagoya Chapter, IEEE AP-S Kansai Chapter, IEEE AP-S Fukuoka Chapter, Communications Society of the Institute of Electronics, Information and Communication Engineers (IEICE), IEICE Technical Committee on Antennas and Propagation and the Antennas and Propagation Professional Network of the Institution of Engineering and Technology (IET).

The topics of interest include but are not limited to the following:

Small Antennas

- Adaptive (smart) arrays for mobile terminals
- Antennas on/in IC packages
- Co-design of antennas with RF front-end
- Miniaturization of antennas
- Embedded antennas
- Conformal antennas and arrays
- Compact arrays
- Broadband antennas and arrays
- Measurement for antennas with small system ground planes
- Measurement for ultra-wideband (UWB) antennas
- Measurement for SAR of handheld devices
- Fast time-domain computation for UWB antenna systems
- Reconfigurable antennas
- Printed antennas
- MEMS/Nano technology for antennas

Innovative Periodic Structures and Materials

- Electromagnetic bandgap (EBG)
- Photonic bandgap (PBG)
- Left-handed materials (LHM)

- Electromagnetic anisotropy
 - Frequency selective surfaces (FSS)
 - Artificial magnetic conductors (AMC)
 - Fractal structures
 - Bi-anisotropic materials
 - Novel features of EM materials
 - Smart materials
 - Analysis and design of EM materials
- #### Applications
- Medical applications
 - UWB communications
 - UWB radar systems
 - MIMO transmission systems
 - 3G and beyond mobile wireless systems
 - Wireless communication systems (handheld devices, base stations)
 - Bluetooth/W-LAN (PDAs, laptops)
 - RFID/Sensors
 - Body-centric wireless communications
 - Radar systems/Automotives
 - GPS systems
 - Millimeter systems

Important Dates

- Deadline of paper submission : **October 15, 2007**
- Notification of Acceptance : November 30, 2007

Paper Submission Guidelines

Authors MUST submit camera-ready papers **up to 4 A4 pages** including figures by October 15, 2007 via the workshop website. Electronic submissions must meet IEEE Xplore specifications, including embedding of all fonts in the PDF file. See the workshop website for templates and more information on creating acceptable electronic files.

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