



18th International Symposium on Antenna Technology and Applied Electromagnetics, AUGUST 19-22, 2018

~~~~~ Enabling Intelligent Sensing & Connectivity ~~~~~

## CALL FOR PAPERS

### Scope of the Conference

The 18th International Symposium on Antenna Technology and Applied Electromagnetics will be held from August 19 – 22, 2018 in Waterloo, ON, Canada. The language of the conference will be English.

The technical sessions will provide a comprehensive and well-balanced program and are intended to provide an international forum for the exchange of information on state-of-the-art research in antennas, propagation, and electromagnetic engineering. Authors are invited to submit contributions for review and presentation at the symposium on topics of interest to ANTEM. In addition to regularly scheduled oral presentations, there will be distinguished lecturers and special sessions. There will be a Student Paper Competition as well as a Technical Exhibition. Accepted submissions will be published on IEEE Xplore.



### Venue Information

Waterloo Region – a cross road of *innovation* and *tradition*, is known as one of Canada's foremost education centre. It is home to three internationally acclaimed post-secondary institutions. A spirit of entrepreneurship, discovery and collaboration has placed Waterloo among the top 20 *start up hubs* in the world. Imagine a place where you can glimpse into the future through the cutting edge of new technology or back in time to horse-drawn buggies. Imagine the excitement of big-city life with world-renowned festivals, theatres and attractions, and yet close enough to escape into the pristine calm of the surrounding countryside. Combine ANTEM 2018, and a vacation, at the heart of [Ontario's diverse tourist country!](#)

ANTEM 2018 will be held on the main campus of the University of Waterloo, housed in the [Faculty of Engineering](#) complex, Canada's largest engineering school and a pipeline for engineering talent for the world's leading companies. Ranked among the top engineering schools in the world, the Faculty's reputation for excellence is built on the foundation of [co-op education](#) and a bold history of innovation. Attendees will enjoy and be immersed in this vibrant learning environment all through the conference. With its energy, diversity, and high-tech savvy, Waterloo will inspire you!

A valid passport is required for entry to Canada. Please contact the Canadian Embassy nearest you for specific details and [visa requirements](#).

### IMPORTANT DATES

Final Paper Submission:  
**March 1, 2018**

Notification of Acceptance:  
**May 1, 2018**

Early Registration Deadline:  
**July 1, 2018**

# ANTEM 2018

AUGUST 19-22, 2018 WATERLOO, ONTARIO  
CANADA



UNIVERSITY OF MANITOBA



Email: [antem@umanitoba.ca](mailto:antem@umanitoba.ca)  
<http://antem.ee.umanitoba.ca>



## List of Topics for ANTEM 2018

### Antenna

- Antenna Theory
- Dielectric, Planar and Conformal Antennas
- Antenna Miniaturization and Integration
- Intelligent Reconfigurable Antennas
- Phased Arrays, Reflect-Array, and Lens
- Reflector Antenna
- Wearable and Wireless Sensor Antennas
- On-Chip/In-Package Antennas
- Terahertz and Optical Antennas
- UWB Antennas and Systems

### Field Theory and Computation

- Analytic and Numerical Methods
- Modelling and EM-CAD Tools
- Scattering and Diffraction
- Inverse Scattering and Remote Sensing
- Guided Waves
- Transients and Time Domain Electromagnetics

### New Phenomena and Engineered Media

- Bio-electromagnetics
- Nano-electromagnetics
- EBG/Metamaterial Structures
- Frequency Selective Surfaces

### Electromagnetic Devices, Systems, and Applications

- Next Generation Mobile Communication and Sensing
- Satellite Radio Communication Systems
- Terrestrial, and Ionospheric Radio Communication
- Automotive Radar and Imaging Systems
- Software Defined Radio
- MEMS and Micromachining for RF Systems
- Microwave-to-THz Devices, Circuits and Imaging applications
- MIMO Systems
- Photonic Devices and Circuits
- Vehicular Electromagnetics
- Wireless Power Transmission
- Electromagnetic Energy Harvesting
- Bio-medical Imaging and Sensing
- Electromagnetic Field Measurement
- Electromagnetic Properties and Material Characterization
- EMI/EMC



## Paper Submission Information

Authors are invited to submit a 2-page paper via online submission. The format of all submissions is PDF and must be created according to IEEE specifications. Submissions will be reviewed by the Technical Program Committee and notice of acceptance/rejection will be emailed to the corresponding author. Accepted submissions will be published in the conference proceedings and on IEEE Xplore, provided the presenting author (or one author, in the case of multiple authors) is pre-registered by the early registration deadline. Additional information will be added to the conference website as it becomes available

<http://antem.ee.umanitoba.ca>



<http://antem.ee.umanitoba.ca>