Altair is proud to host the 40th Annual Meeting and Symposium of the AMTA in historic Colonial Williamsburg, Virginia, USA from November 4-9, 2018. Altair and co-hosts NASA Langley Research Center, Virginia Tech, and Old Dominion University cordially invite you to attend and participate in this annual event.

The Antenna Measurement Techniques Association (AMTA) is a non-profit, international organization dedicated to the development and dissemination of theory, best practices, and applications of antenna, radar signature and other electromagnetic measurement technologies. Visit www.amta.org for more information.

SYMPOSIUM BENEFITS

- High-quality technical papers presented on a continuous basis over four days
- A practical, full day short course related to antenna measurements
- Exhibits showcasing antenna and measurement-related products and services
- The latest innovations in antenna and Radar Cross Section (RCS) measurements
- Known leading companies related to antenna measurements products and services will be presenting and exhibiting
- Networking opportunities with industry experts
- A technical tour of NASA Langley Research Center, Hampton, VA, on Friday of the symposium week
- Unrivaled social events around historic Colonial Williamsburg
- Daytime companion tours to area highlights

Do not miss this outstanding event! Join us in Williamsburg, Virginia!

For more information about AMTA 2018, please visit www.AMTA2018.org or contact:
C.J. Reddy, AMTA 2018 Chair
host@amta.org

Hosted by
Altair
1820 E. Big Beaver Rd.
Troy, MI 48083, USA
www.altair.com
CALL FOR PAPERS

Authors addressing advancement and innovation in topics of interest to AMTA are invited to submit a 250-350 word abstract for review as a possible candidate for presentation at the Symposium.

EXAMPLE TOPICS
- Theory and applications of the measurement of antennas and radar scattering
- Advances in indoor and outdoor test ranges
- Measurement standards and laboratory comparisons
- Advances in near-field, far-field, compact and RCS range measurement techniques
- New instrumentation for testing
- Data acquisition and processing methods
- Measurement imaging, algorithms and processing techniques
- Diagnostic methods for antenna acceptance testing
- Phased array, adaptive/smart antenna applications and measurements
- EMU/EMC/PIM chamber design, measurement and instrumentation
- GNSS, PCS, cellular, satellite, and automotive antennas and measurement
- RF material design, measurement and instrumentation
- Ultra-wideband or frequency independent antenna measurement
- MM-Wave, terahertz, and quasi-optical antenna measurement
- Applied computational electromagnetics
- Numerical methods related to EM measurements
- RFID characterization
- Radome characterization
- Wearable antenna designs with measurements
- Multi-link MIMO and cooperative channels
- In-situ testing and channel sounding
- Other antenna measurement topics

STUDENT PAPERS

AMTA 2018 will award at least three (3) Best Student Paper Awards. Each student award recipient will receive a $500 (USD) cash award, a complimentary registration at AMTA 2019, and a one (1) year AMTA membership, active through December 31, 2019.

WILLIAMSBURG LODGE

310 South England Street, Williamsburg, VA 23185 USA
Reservations: + 1 (888) 965-7254
www.colonialwilliamsburg.com/stay/williamsburg-lodge/

AMTA Reservation Rate: $135 (USD) plus tax for single or double occupancy, available on a first-come, first-served basis. The AMTA rate includes complimentary high-speed internet access in the guest room. Also $113 (USD) plus tax for single or double occupancy room rate is available at the companion hotel – Williamsburg Hotel & Suites on a first-come, first-served basis.

WILLIAMSBURG HISTORY

Williamsburg was the thriving capital of Virginia when the dream of American freedom and independence was taking shape and the colony was a rich and powerful land stretching west to the Mississippi River and north to the Great Lakes. For 119 formative years, from 1699 to 1780, Williamsburg was the political, cultural, and educational center of what was then the largest, most populous, and most influential of the American colonies. It was here that the fundamental concepts — responsible leadership, a sense of public service, self-government, and individual liberty — were nurtured under the leadership of patriots such as George Washington, Thomas Jefferson, George Mason, and Peyton Randolph.

Enjoy a relaxing escape in the heart of Colonial Williamsburg. Just steps from the action, the inviting lodge boasts a world-class restaurant and convenient access to spa and golf recreation amenities. Admission ticket discounts and special daily events are just the beginning of the exclusive benefits you’ll enjoy as the hotel guest.

WILLIAMSBURG TRAVEL SCHOLARSHIP

The scholarship is designed to encourage participation of students interested in electromagnetics with an emphasis on antennas. It is open to undergraduate juniors and seniors worldwide.

STUDENT PAPERS

AMTA 2018 will award at least three (3) Best Student Paper Awards. Each student award recipient will receive a $500 (USD) cash award, a complimentary registration at AMTA 2019, and a one (1) year AMTA membership, active through December 31, 2019.

Award recipients are required to present their papers at the AMTA 2018 Symposium. Student paper guidelines will be sent upon acceptance of the abstract. Authors are asked to mark their abstract as “Student Paper” when submitting.

STUDENT TRAVEL SCHOLARSHIP

The scholarship is designed to encourage participation of students interested in electromagnetics with an emphasis on antennas. It is open to undergraduate juniors and seniors worldwide.

Students must show a demonstrated interest in electromagnetics and/or in antennas, as well as be able to attend the AMTA 2018 Symposium. Award winners will receive travel funding up to $2000 (USD) to attend the symposium, as well as many other benefits. In order to apply, students must submit:

- An essay about his/her interest in AMTA, antennas, radar, or/and electromagnetic-related fields, giving background and plans for the future.
- A resume with course/grade listings.
- A letter of recommendation from an AMTA Senior Member or Fellow who is not a sitting Board Member or a member of the scholarship selection committee.

Submittal deadline: May 2, 2018
Award announcement: June 4, 2018
See www.amta.org for complete details or contact the Scholarship Chairman at scholarship@amta.org

DEADLINES

250-350 word email abstract. May 2, 2018
E-mail notification of acceptance. May 31, 2018
MS Word or searchable PDF manuscripts. July 25, 2018

We understand that some authors may be required to submit their abstracts, papers, and presentations for public release approval. Please start this process early so that you can meet the above deadlines.

SUBMIT AN ABSTRACT

Electronic submission of abstracts is required. Abstract submission will begin in the March 2018 timeframe. For details on abstract submission, please refer to the AMTA 2018 web site. www.amta2018.org. Submission requires an account and password; account registration is free. Questions may be referred to: technical-coordinator@amta.org