



**Antenna Test & Measurement Society  
( A T M S )**

***In Pursuit of Excellence***

*The 11<sup>th</sup> Annual*

*International Conference*

*"ATMS ~ 2018"*

Dear Participants,

Antenna Test & Measurement Society (ATMS) announces its 11<sup>th</sup> International Conference i.e. ATMS-2018 to be organized between 5<sup>th</sup> to 7<sup>th</sup> February, 2018.

The Conference is dedicated to the memory of Great Indian Scientist & Father of Indian Space Programme Prof. Vikram Sarabhai, with a theme of "***Futuristic Antennas & Its Characterization***" and it will be organized on 6<sup>th</sup> & 7<sup>th</sup> February, 2018. The topics to be covered during the Conference are mentioned below. Authors are requested to contribute papers as per the guidelines mentioned on our website.

On 5<sup>th</sup> February, 2018, one day tutorials on "***Antenna Array Synthesis***" has been planned.

To encourage students to present their papers, a separate session has been arranged. A Jury will judge The Best Paper presented during the session and will be rewarded. Interested students are requested to follow our website for the Eligibilities & Rules for selection of paper/s as Students' Papers.

**Topics:**

**The Conference will broadly cover the topics given below and you are requested to contribute your paper/s accordingly.**

1. Antenna/ RCS / Radome characterization recent and in future.
2. Seawater antenna for disaster management or naval applications
3. Millimeter wave off body textile antenna arrays to find on body opportunities / antennas for bio-medical applications.
4. Body Area Network monitors motivational reactions.
5. Interference resisting antennas / Digital Forming Network (Antennas not behaving on theory of reciprocity).
6. Latest materials for light weight reflectors.
7. Antenna for 5G & 6G applications including MIMO.
8. Reconfigurable and Shared aperture antenna.
9. Tracking and Aerospace antennas.
10. Ultra-wide band/ frequency independent / wearable / textile antenna and its measurement and fabrication antenna.
11. Antenna Diagnostics & Post Processing
12. Recent advances in indoor and outdoor ranges
13. Advances in Near-field/Far-field/Compact range/ Tapered/RCS Range Measurement Techniques
14. Satellite and automotive antenna measurement
15. New Measurement Techniques and Facility Evaluation Standards
16. Characterization of Frequency Selective Surfaces
17. Impulse Radiating Antenna Characterization
18. Advances in PCS/cellular/ automotive measurement techniques and Facilities
19. Challenges in RFID/Wireless/RFIC/MMIC antenna design and testing
20. Computational electromagnetics / Transformational electromagnetics

21. Small, Conformal & Array design
22. RCS reduction, prediction, imaging & related theory.
23. SAR/Phased Array/ Adaptive antenna/Smart antenna testing/characterization
24. RF material and its application in antenna design
25. Meta material antennas, arrays for radiation pattern shaping and beam switching.
26. Antennas, its integration, alignment & special techniques of fabrication.
27. New challenges in Antennas.

**Apart from the research papers, a few *Invited Talks* will be arranged on topics of special interest.**

### Abstract Submission:

Abstract should be limited to 300 words with the following information:

- **Title of Paper**
- Name(s) of Author(s)
- Affiliation, Address,
- Email, alternate email/s, Telephone & FAX Number.
- Summary of the Paper.
- ***Student Authors are requested to mark their abstract as "Student Paper" when submitting for consideration under 'Student Category'.***

Please submit in IEEE format on our WEBSITE.

### Schedule

First Call for papers:	July 2017
Second Call for Papers:	August 2017
Third and Final Call for Papers:	September 2017
Deadline for Abstract Submission:	15 <sup>th</sup> October 2017
Notification of Acceptance of Abstract:	15 <sup>th</sup> November 2017
Deadline for submission of Full Paper:	15 <sup>th</sup> December 2017

*Please note that authors may be required to submit their abstracts, papers and presentations for internal review. The papers will undergo Blind Reviews; therefore, authors are requested to submit their abstracts / papers in two copies, one without name and affiliations for this purpose.*

*Further, authors are requested to begin the process of approval for publication at their respective organizations / labs / universities, at the time of abstract submittal in order to complete the approval process on or before the e-manuscript deadline of 15<sup>th</sup> December, 2017.*