



## TENCON 2019 SPECIAL SESSION

# Recent Advances on Materials and Metasurface based Devices and Antennas for High Frequency Applications

October 17-20, 2019

[www.tencon2019.org](http://www.tencon2019.org)

Hotel Grand Hyatt, Kochi, Kerala, India

**This special session has the following motivation/objectives:**

Recently, 2D based materials exhibit tremendous potential among research communities for several applications. On the other hand, metasurface, originally evolved from metamaterials, shows an array of promising applications in the area of microwave circuits, photonics, optical engineering and also in printed antennas for modern wireless applications. In addition, metasurface based arrays are being touted as futuristic solutions in defence and aerospace applications for shielding applications. Moreover, it is also being considered as a potent candidate for energy harvesting applications in low power-level scenarios. This particular special session of TENCON-2019 will focus on the recent advances in the area of materials based metasurface research with special emphasis towards microwave devices, circuits and antenna applications. The research findings may be reported from both theoretical and experimental point of views. Research works on high frequency applications in gigahertz domain and above based on metasurfaces will be considered for presentation.

### Topics of Interest

- Metamaterials & Metasurfaces
- Materials Based Novel Designs
- 2-Dimensional Structures & thin film
- Novel Compact Antennas
- Antennas for Radar & Navigational Applications

*Authors of the accepted papers of this special session will receive special rewards/offers in the conference*

### Session Conveners

Dr. Somak Bhattacharyya, IIT (BHU), Varanasi, India  
Dr. Santanu Das, IIT (BHU), Varanasi, India  
Dr. Chinmoy Saha, IIST Trivandrum, India

**Submission Deadline: 30 June, 2019**

**Acceptance Notification: 15 August, 2019**

**Camera Ready Submission: 30 August, 2019**

### Submission Guideline

For paper submission instructions and template, please visit  
<http://www.tencon2019.org/submissions.html>

**P.S.: During Submission, please select this Special Session**