

## Special Session on “Latest trends in EM Propagation, Antennas and Microwave Communication for 5G & beyond Applications”

### Session Chairs

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### Session Description

The latest techniques based on evolutionary computing tools as well as advanced applications of machine learning techniques has outperformed the conventional techniques in antennas and other electromagnetic system design. It has allowed accelerated progress in diverse industrial sectors, including telecommunications, energy, biomedicine, and high-performance computer platforms. Based on the historical evolution of high-frequency design optimization, it is essential to adopt the intelligent techniques which are highly adaptive to the design specifications and does not need much expertise during the deployment and operations.

Hence this session invites new findings in the techniques for design, novel models of electromagnetic systems, analysis and measurements, research and development in Modern antennas, EM propagation, applied electromagnetics, EMI/EMC for applications in 5G & beyond and other related topics.

This special session is aimed to cover the following topics (but not limited to):

- Millimetre and Terahertz Communication
- Embedded and wearable antennas
- RF Technologies, MIMO Antennas for 5G/6G and beyond
- Electromagnetic Interference and Compatibility (EMI/EMC)
- EM theory and computational EM
- Reconfigurable antennas, Phased array antennas
- Horn antennas & Feed components, Reflector and reflect-array antennas
- Radar and remote sensing antennas
- Aircraft antennas, Antennas for seekers and defense applications
- Ultra-Wide Band and multi-band antennas, Metamaterials and SIW Technology
- Autonomous Vehicle Radars, Antennas for V2V Communication
- SAR Analysis of EM Radiation on Human body, Microwave Filters

### **Instructions for Paper Submission Process**

Please submit your paper (in word format) via Conference Easy chair submission system and also send the paper to [srivalligundala@gmail.com](mailto:srivalligundala@gmail.com), with “**Latest trends in EM Propagation, Antennas and Microwave Communication for 5G Applications**” by mentioning in the subject line, the Paper Title and PaperID generated in easy chair submission system.