



Special Session on

ANTENNAS DESIGN FOR COMMUNICATION, SENSING AND CHARACTERIZATION METHODS

Organized and co-chaired by:

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Call for Papers

This special session is dedicated to research work covering the areas of applied electromagnetics including radiating elements (antennas), artificial electromagnetic materials and metasurfaces with novel properties enabling the design of new functionalities in communication and sensing applications, and characterization methods of new materials (artificial, bio-inspired, etc). Energy and power consumption reduction aspects are important points that are expected to be taken into account in the design stages of electronic systems.

Topics of interest include, but are not limited to:

- Antennas design
- Metasurfaces design with specific properties dedicated to new generation applications
- Study of the power consumption of electromagnetic devices
- Use of antennas for novel communication applications (IoT, on-body communication, medical applications)
- Design of antennas by means of machine-learning approaches
- Modelling of challenging antenna configurations
- Characterization of antennas and of antenna coupling
- Characterization of materials
- Antenna arrays, transmitarrays, reflectarrays
- Quasi-optical beam-forming systems
- Active antennas
- Antennas for channel sensing

Submission of papers: deadline follows the deadline for the regular papers.

All the instructions for paper submission are included in the conference website:

<https://ieeefrance.org/author-guidelines/>