



International Conference

on

Sustainable Computing in Science, Technology & Management (SUSCOM-2019)

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Wireless, Microwave and Optical Communication with Antenna Designing

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Aims & Scope:

This special session focused on research in emerging techniques in the field of Wireless, Microwave and Optical Communication. It covers most recent findings and achievements in high frequency technology, from RF to optical spectrum on theoretical, applied, and system results in RF, Microwave, and Millimetre Waves, Antennas and Propagation, Sub millimetre-Wave and Infrared Technology, and Optical Engineering. Microwave solid state devices, metamaterials, microwave antennas, microwave tubes, high power microwave sources and systems, microwave communication, wave propagation, millimetre- and sub-millimetre-wave techniques, radar engineering, radio astronomy, remote sensing and imaging applications. It specifically focuses on: analysis, design, development, measurement, and testing of microwave components and devices, high power microwave sources and system, the interaction of electromagnetic waves with discrete, continuous, and biological media.

Subtopics:

- Microwave, Millimetre-Wave, and Terahertz Technologies.
- Microwave Antennas and Devices.
- Microwave Photonics.
- Infrared and Laser Technologies.
- Band Gap Materials.
- Electromagnetic Field.
- Microwave Communications.
- Image processing.
- Segmentation Technique.
- Wireless sensor network.
- MMIC, MEMS, PBG Structures and Metamaterials.
- Analytical and numerical modelling of metamaterials.
- Homogenization of metamaterials and effective medium models.
- Planar metamaterials, meta-surfaces and meta-sheets.
- Nonmaterial's including graphene.

- Nonlinear, tuneable and reconfigurable metamaterials.
- Metamaterials for quantum electronics.
- Quantum metamaterials and nanophotonics.
- Optical and Plasmonic metamaterials.
- Photonic crystals.
- Millimetre wave/THz metamaterials.
- General Metamaterials for acoustic, mechanical and thermodynamic applications.
- Integrated nanophotonics.
- Super resolution and near-field imaging.
- Transformation electromagnetic and optics.
- Optical Communication, RF and Microwave Devices.

Technical Programme Committee(s):

- Dr. Mahender Singh, GTBIT, New Delhi
- Dr. Manoj Singh Parihar, IIITDM, Jabalpur
- Dr. Rajveer Singh Yaduvanshi, AITAR, Delhi
- Dr. Manisha Mittal, GTBIT, New Delhi
- Mr. Piyush Sharma, NTRO, New Delhi
- Dr. Saurabh Kumar Verma, NIT, Andhra Pradesh
- Dr. Richa Gupta, MSIT, New Delhi
- Anu Chauhan, Dronacharya college, Gurgaon

Submission Procedure:

Researchers and practitioners are invited to submit papers through the below given easy chair link:

<https://easychair.org/conferences/?conf=suscom2019>.

Select the special session track from the listed track. All submissions must be original and may not be under review by another publication. The submitted papers will be reviewed on a double-blind and peer review basis.

Publications:

All registered and presented papers will be published in the **ELSEVIER-SSRN Digital Library** at <https://hq.ssrn.com/conference=SUSCOM-2019>. Extended versions of selected papers will be considered for the special issue of journals indexed in ESCI, Scopus, SCIE, DBLP, Web of Science, ACM, Compendex, INSPEC, Thomson Reuters, Cabell's Directories to name a few.

All inquiries should be directed to the attention of Session Chair/Co-Chair:

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