IEEE MTT-S International Microwave Conference on Hardware and Systems for 5G and Beyond
August 26th, 28th, 2020
Suzhou, China

CALL FOR PAPERS

5G and beyond, will have profound technological and economic impacts on our society. Many of the most difficult scientific challenges are located at the “Physical Layer”, due to some fundamental limitations imposed by the nature of electromagnetic energy used. As a result, significant research is required to enable advanced microelectronic circuits and smart hardware implementation to achieve a working system. The IMC-5G 2020 conference provides a unique opportunity to bring together researchers and practitioners of different background to share the most recent advances in hardware and system technologies for 5G.

IMC-5G 2020 will feature a two-day archival series of oral and poster presentations (in IEEE Xplore) with invited talks and tutorials. An industrial exhibit featuring a selection of state-of-the-art wireless and microwave products, measurement instruments and CAD software tools will also be held. The participation of young researchers and postgraduate students is strongly encouraged. Best Student Paper Awards will be made.

TOPICS

Technical contents include, but not limited to, the following areas:

- 5G RF/millimeter-wave transceiver architectures
- Highly integrated front-end modules and mixed-signal ICs
- Large-scale phased-array, beamformers, MIMO antennas
- High efficiency and broadband power amplifiers
- Signal generation, modulation and frequency conversion
- Reconfigurable circuit elements, filters, multiplexers
- IoT sensors, RFID circuits/chips for 5G applications
- RF/Microwave device, circuit and subsystem modelling
- OTA measurement, device/circuit characterization
- Energy harvesting, wireless power transfer circuits
- Nonlinear circuit/system analysis and simulation tools

SUBMISSIONS

Prospective authors are invited to submit a three-page extended abstract in PDF format before the Abstract Submission Deadline. All papers must be written in English, and submitted electronically from the conference website.

All submissions will be peer-reviewed. Authors of accepted contributions should provide a full-length (three-page) final version of their work before the Final Manuscript Submission Deadline. The final version of the paper will be published in the conference proceedings as well as submitted for inclusion in IEEE Xplore Digital Library provided it has been presented at the conference.