



**2021 IEEE MTT-S
International Microwave Symposium**
6 - 11 June 2021, Georgia World Congress Center, Atlanta, Georgia



CALL FOR PROPOSALS FOCUS AND SPECIAL SESSIONS

The IEEE Microwave Theory and Techniques Society's (MTT-S) 2021 International Microwave Symposium (IMS2021, www.ims-ieee.org) will be held 6-11 June 2021 at the Georgia World Congress Center, Atlanta, GA, USA. IMS2021 is the centerpiece of the Microwave Week 2021, which also includes the RFIC Symposium (www.rfic-ieee.org) and the ARFTG Conference (www.arftg.org), and offers technical sessions, interactive forums, plenary and panel sessions, workshops, technical lectures, application seminars, and industrial and historical exhibits. In addition, a wide variety of other technical and social networking activities including guest programs are offered at IMS2021.

New this year: IMS2021 will be a hybrid conference – both face-to-face and virtual. More details will be reported soon.

Focus and Special Sessions are an integral part of the IMS2021 technical program. Proposals are invited for Focus and Special Sessions on topics in RF and microwave technologies that are of high interest to the microwave community.

Focus Session Proposals should highlight emerging new technical topics that are gaining importance and are of high interest to the RF and microwave community. Focus Sessions encompass a wide range of topics and may either involve a specific emerging technology or cover several technologies that are relevant to a common application. Examples of emerging technologies that are of interest include, but are not limited to:

- Ubiquitous Connectivity – 5G and Beyond wireless communications (mm-waves, massive MIMO)
 - Aerospace – Mobile, SATCOM and Line-of-Sight (LOS) communications (terrestrial, maritime, airborne, LEO, MEO, GEO)
 - Automated production systems. Factory of the future (m2m), Edge computing technologies, Automotive (V2X)
- RF packaging and RF frontends (RFFE)
- Convergence of RF and digital techniques at the IC and system level
- Advances in photonics and THz communications and multi-spectral radar sensors
- RF technologies for automotive radar sensors and drones
- Internet of things (IoT) (consumer, industrial applications)
- Artificial intelligence and machine learning applied to RF and mm-wave systems
- Wireless power transmission and conversion (ground-based, space-based)
- Non-contact, wearable, and implantable health monitoring
- RF devices and wireless sensors for medical diagnostics and treatment



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1721 Boxelder St., Ste. 107, Louisville, CO 80007, USA
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- Quantum devices, systems and applications
- MHz-to-THz physical layer security

Special Session Proposals should recognize events of historical significance to the microwave community or highlight the technical achievements in a specific technical area, application space, or geographical region of the world. IMS2021 shall accept Special Session proposals only for technical topics. Please note that the technical topic may be named after a famous individual, e.g. Doherty or Chebyshev. Special Session proposals commemorating deceased individuals shall be directed to the Memorials Committee of the MTT-S Administrative Committee (AdCom). These proposals will not be accepted or reviewed by the IMS2021 Technical Program Committee. Also, IMS2021 will NOT accept proposals commemorating individuals who are alive. Examples of Special Sessions topics include:

- Anniversary of a major invention or milestone
- Microwaves for humanitarian activities
- Microwave Activity by Regions (1-6,7,8,9,10)
- Evolution or challenges of a specific technology
- Technology advancement of special multidisciplinary technologies

Focus and Special Session Proposal Submission: If interested in submitting a Focus or Special Session proposal, please see the detailed Focus and Special Session Proposal Submission Instructions posted at www.ims-ieee.org. The Proposal Submission Deadline is 5:00 PM HST (UTC – 10:00) on Monday, **28 September 2020**. Additional instructions on paper submissions will be provided to the organizers and speakers of accepted proposals. Organizers of accepted proposals should instruct their speakers to submit their papers by the IMS paper submission deadline (Wednesday, 9 December 2020), and to select the Focused Session or Special Session (as applicable) category during submission. There are no exceptions to IMS paper submission deadlines, for the Focus and Special Session papers.

Focus and Special Sessions Committee: Manos Tentzeris, Yong-Kyu Yoon, Omeed Momeni



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