



IEEE MTT-S International Microwave Symposium
11-16 June 2023
San Diego, CA



Invitation to Submit Proposals for Panel, Focus and Special Sessions IMS2023, San Diego, CA

Important Dates:

Proposals due 16 September 2022 – **Submit via IMS2023 website: www.ims-ieee.org**

The IMS2023 Technical Program Committee is soliciting proposals for panel, focus and special sessions. Any topics in the RF and microwave area that are particularly timely or even controversial are encouraged and considered.

Panel Sessions

Panel sessions are one hour and twenty minutes long, typically held during lunchtime on Tuesday, Wednesday, and Thursday. Some topics particularly relevant to IMS2023 themes are listed in the following:

- Microwaves and satellites for Space 2.0
- Microwaves for Bio-medical Applications
- Wireless Power and RF Energy Harvesting
- 5G/6G Hardware: from components to system-on-chip and RF to THz
- Quantum RF System Engineering
- Education in Microwaves
- Smart Digital High Frequency Solutions
- Radar, Phased Arrays, OTA test
- Multifunction Wireless Systems and Technologies

Examples of panel sessions at previous symposia include:

- Software-Defined Radios - Facts and Fantasies
- Microwave Photonics: A Growing or Shrinking Value Proposition?

In addition, special proposals for **Inter-Society Technology Panel (ISTP)** sessions are solicited, which should cover broader and emerging interests of multiple IEEE societies and councils in connection with RF and microwave fields.

Focus Session Proposals should highlight emerging new technical topics that are gaining importance and are of high interest to the RF and microwave community. Concerted proposals are also considered for evening **Rump Session** to address pressing topics and/or issues of significant importance for special interest groups, industrial sectors, and communities at large. 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:

- Space (including aerospace) – SatComs, design for reliability, radiation-hard design, Internet of Space, LEO, cubesat project, etc.
- Intelligent Meta-Surface/Meta-Device for 5G/6G
- Machine Learning/AI in Microwaves (incl. model-based systems engineering (MBSE))
- Radar (more towards context-aware communication systems, e.g., joint radar-communication design)
- Nano-materials in microwave/mm-wave applications

- Non-contact, wearable, and implantable health monitoring, bio-sensors for medical diagnostics and treatment
- Millimeter-Wave and Terahertz Electronics and Photonics for 6G and Wireless Systems
- Quantum devices, systems and applications
- RF & Microwave Research in Latin America

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. IMS2023 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 IMS2023 Technical Program Committee. Also, IMS2023 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

Submission information:

Final proposals should be submitted through the link which will be provided on www.ims-ieee.org.
If interested in submitting a proposal, please send to the Chairs via email including:

- Type of session (Focus, Special, Inter Society or Panel)
- Session title
- Short abstract
- List of contributors (5) with a preliminary title of their contribution.

The **Proposal Submission Deadline** is 5:00 PM HST (UTC – 10:00) on Friday, 16 September 2022.

The proposals will be evaluated by the committee and the decision will be communicated to the organizers in early October.

For further information, please write to the Focus, Special, and Panel Sessions Committee Chairs: Alessandra Costanzo, Anding Zhu, Nuno Carvalho and Ke Wu.

Focus & Special Sessions Chairs: Alessandra Costanzo and Anding Zhu

- IMS2023FocusSessions@gmail.com

Panel & Inter-Society Sessions Chairs: Nuno Borges Carvalho and Ke Wu

- IMS2023Panels@gmail.com