



**International Microwave Symposium**  
19-24 June 2022  
Denver, Colorado



**FIRST CALL FOR PROPOSALS**  
**MICROWAVE APPLICATION SEMINARS**  
**AND INDUSTRY WORKSHOPS**

The 2022 IEEE MTT-S International Microwave Symposium (IMS2022) will be held 19 – 24 June 2022 at the Colorado Convention Center, Denver, Co, USA. IMS2022 is the centerpiece of the Microwave Week, which offers technical sessions, interactive forums, plenary and panel sessions, workshops, technical lectures, microwave application (MicroApps) seminars, industry workshops, and exhibits.

Technical experts from the IMS2022 paid exhibitors present at the MicroApps and Industry Workshops. The focus is on providing practical information, in many cases basic design or test techniques and/or tribal knowledge, that practicing engineers and technicians can apply to solve the current issues in their projects and products. Theoretical and sales/marketing information is discouraged at these forums. However, presenters may point out specific features of their companies' products that help solve the problems and also provide the opportunity to have follow-up discussions at the exhibitor booths.

**About MicroApps:**

The MicroApps seminars are 15 minutes each in duration and will be held 21-23 June 2022. MicroApps seminars will be grouped based on subject matter, so that interested attendees may gather information on a specific topic from a variety of industry experts. The grouping also allows other exhibitors seeking industry partners and supply chains, to quickly access all relevant companies and experts with the desired subject matter expertise. The MicroApps seminars are held at the MicroApps theater in the exhibit area, to facilitate easy access (at no additional charge) for all the attendees and exhibitor personnel.

**About Industry Workshops:**

The Industry Workshops are 2-hours each in duration, with one or more presentations. They are presented by a single company or group of companies to discuss a specific technical topic in much greater depth than the MicroApps seminars, possibly with live demonstrations and attendee participation. The Industry Workshops are held in a classroom setting and are open to all registered Microwave Week attendees.

Proposals that are submitted by other means, such as emails to the MicroApps and Industry Workshop committee members will be not reviewed or accepted. Please have the following information handy when you are ready to submit your proposal. Visit [ims-ieee.org](http://ims-ieee.org) for to submit your proposal.

1. Primary Author/Organizer Information: Name(s), Title(s), Affiliation, Telephone #, and Email Address
2. MicroApps and Industry Workshops:
  - Please provide the following information
    - Presentation Title, Topic Category, Presenter Name(s), Title, Affiliation, Telephone #, and Email Address
    - 50 to 100 word abstract (in English). The abstract should describe the product or process, its importance to the microwave community, and how it helps a practicing engineer or technician.
    - Indicate if there will be any demonstrations planned and if there are any special needs
3. If your proposal is accepted, you will be asked to authorize IMS2022 to publish your abstract and technical presentation in the proceedings.

The IMS2022 MicroApps and Industry Workshop Committee will review the submitted information including the abstract and select those proposals that (i) are from registered paid IMS2022 exhibitors and (ii) address one or more of the suggested topics (see table below).

### **Electronic Submission Deadlines**

Proposals Due:	7 December 2021
Proposal Decision Notification:	2 February 2022



Suggested MicroApps Topics (15 minutes per topic)	Suggested Industry Workshop Topics (2-hours per topic)
CAD and Modeling Products and Techniques (Software)	GaN Technology and Amplifier Design
Waveguides, Filters, and Other Passive Components	Practical Antenna Design and Testing
Circulators, Isolators, and Other Passive Components	Beam-Forming Network Design
Antenna and Antenna Components	Electronic Module Packaging
Low Noise Devices	SoC Design and Test
High Power Devices, including GaN Devices	Design to MIL-STD-810G and MIL-STD-461
Frequency Translation Devices	Wideband Signal Sources/Receivers for EW
SOC Devices, including 5G Devices	Automotive Radar
Fiber-Optic Devices	Automated Test Stations for Production
Sub-Assemblies (Vector Modulators, Oscillators)	How to Make Low Noise Measurements
Sensor Devices, Assemblies, Systems	Phase Noise Measurement
Systems (Transmitters, Receivers, Jammers)	Front-End Modules for Wireless
Instrumentation and Measurement Techniques (Test Equipment)	High Power Testing
Test Equipment Software	Design for EMI/EMC, Testing, Qualification
Materials	Quantum Electronic Testing
Packaging and Interconnects	Space and High Rel MW Applications
Manufacturing Processes and PC Boards	RF/MW Applications in Medicine
Extreme Environment Design and Test	Arbitrary Waveform Generation
Biomedical Applications of RF/MW	Topics on Filters
5G Fundamentals	5G Measurements

Quick Comparison of MicroApps Seminars and Industry Workshops:

	Industry Workshops	MicroApps Seminars
Presentation Length	2 Hours	15 minutes
Presentation Format and Location	Workshop in Classroom Style	On the Stage in the Exhibit Hall
Publication Format	Virtual Proceedings	Virtual Proceedings
Cost to IMS Registrant to Attend	Free	Free
Cost to IMS Exhibitor to Participate	Free	Free