

CALL FOR PROPOSALS

MICROWAVE APPLICATION SEMINARS (MicroApps)

The IEEE MTT-S 2020 International Microwave Symposium (IMS2020) will be held 21 – 26 June 2020 at the Los Angeles Convention Center, Los Angeles, CA, USA. IMS2020 is the centerpiece of the **Microwave Week**, which offers technical sessions, interactive forums, plenary and panel sessions, workshops, short courses, **microwave application (MicroApps) seminars, industry workshops**, and exhibits.

The **Microwave Application seminars (MicroApps)**, offered **Tuesday, 23 June through Thursday, 25 June 2020**, provide a unique forum for the exchange of ideas and practical knowledge related to the design, development, production, and test of products and services. Technical experts from the IMS2020 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.

The MicroApps seminars are 15 minutes each in duration. IMS2020 MicroApps and Industry Workshops Committee (MIWC) will group and schedule the MicroApps seminars 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.

In contrast- The Industry Workshops are 2-hours each in duration, with one or more presentations. They are awarded to 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. The Industry Workshops seminars are held at the workshop, located in the LACC. For more information refer to the Industry Workshop tab on the IMS2020 website - industrial exhibition tab.

Exhibitors, with paid booth registrations, are invited to submit their proposals here:

<https://www.mpassociates.com/ml/account/login.aspx?redirectkey=57>.

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.

1. Primary Author/Organizer Information: Name(s), Title(s), Affiliation, Telephone #, and Email Address

2. Industry Workshop

○ **Please provide the following information**

- 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.
- Presentation Title, Topic Category, Presenter Name(s), Title, Affiliation, Telephone #, and Email Address
- 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 IMS2020 to publish your abstract and technical presentation in the virtual proceedings.

The IMS2020 MicroApps Committee will review the submitted information including the abstract and select those proposals that (i) are from registered paid IMS2020 exhibitors and (ii) address one or more of the suggested topics (see table below).

Electronic Submission Deadlines

Proposals:	5 December 2019
Proposal Decision Notification:	30 January 2020
Draft Micro Apps and Industry Workshop Presentation Slides:	30 April 2020
Final Micro Apps and Industry Workshop Presentation Slides:	18 May 2020

MicroApps Committee

IMS2020microapps@gmail.com

Jim Weiler (co-Chair)
Janet O'Neil (co-Chair)
S. Horn (susie@mpassociates.com)

IMS2020 MicroApps Seminars and Industry Workshop Topics (other topics will be considered):

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
Other: (Proposer Defined)	Other: (Proposer Defined)

Quick Comparison of Industry Workshops and MicroApps Seminars

	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