



**103rd** ARFTG Microwave Measurement Conference

# Advanced Measurement Techniques for Next-gen Communication Systems

Washington DC | Jun 21, 2024  
Co-located with IMS-2024 Week

» Call for Papers | Abstract Due: February 23rd, 2024

ARFTG is generously supported by:



GOLD SPONSOR



GOLD SPONSOR



SILVER SPONSOR



SILVER SPONSOR



SILVER SPONSOR



SILVER SPONSOR

Outstanding exhibition and corporate sponsorship opportunities:

Please contact our Exhibits Chair Joel Dunsmore ([exhibits@arftg.org](mailto:exhibits@arftg.org)) or our Sponsors Chair Joe Gering ([sponsorship@arftg.org](mailto:sponsorship@arftg.org)) directly for further information.

[www.arftg.org](http://www.arftg.org)

# CALL FOR PAPERS



The theme for the 103rd ARFTG Conference (co-located with IMS 2024) is “Advanced measurement techniques for next-gen communication systems”. We encourage the submission of original papers demonstrating innovative measurement approaches to support the development of next generation communication systems. Contributions exploring all areas of RF, microwave, and sub-THz measurements are welcome.

Suggested topics include, but are not limited to:

- Measurement & calibration to support 6G and Future-G systems
- Large signal measurements incl. linearization of devices, circuits, and systems
- Millimeter-wave antenna and OTA testing
- THz/mm-wave measurements, including with modulated signals
- Measurement based machine learning methods and AI applications
- Innovative measurements in quantum technologies

Topics always of interest including:

- RF/digital mixed-signal measurement and calibration
- Microwave measurements for bio-medical applications
- Characterization of material properties
- Other recent developments in metrology incl. measurement uncertainty

## DEADLINES

<b>February 23, 2024</b>	<b>Abstract submission due</b>
March 22, 2024	Paper acceptance and classification will be communicated
April 19, 2024	Publication-ready paper is due in PDF format

## INSTRUCTIONS FOR AUTHORS

Authors are strongly encouraged to use the template on that webpage to prepare both initial paper and final paper submissions.

We request that authors submit an initial paper (4 pages or less) with supporting figures of both experimental setups and measurement results to enable evaluation with respect to the interests of the participants and the novelty of the work.

Contributed papers will be presented as 20-minute talks or in an interactive poster session. Final papers will be published as part of the ARFTG proceedings in IEEE Xplore, provided it has been presented at the conference.

More details can be found on the ARFTG website: <https://arftg.org/author-instruction>.

### CONFERENCE CO-CHAIRS

✉ [chairs@arftg.org](mailto:chairs@arftg.org)

Dominique Schreurs  
*KU Leuven*

Marco Spirito  
*Delft University of Technology*

### TECHNICAL PROGRAM CO-CHAIRS

✉ [tpc@arftg.org](mailto:tpc@arftg.org)

Mauro Marchetti  
*Maury Microwave*

Dennis Lewis  
*Boeing*

### EXECUTIVE COMMITTEE

**President:** David Blackham  
*Keysight Technologies*

**Vice-president:** Rusty Myers  
Nominations & Membership  
*Keysight Technologies*

**Secretary:** Patrick Roblin  
*The Ohio State University*

**Treasurer:** Jon Martens  
*Anritsu*

Joe Gering | Sponsorship & SPAG  
*Qorvo*

Dominique Schreurs | MTT Liaison  
*KU Leuven*

Joel Dunsmore | Exhibits  
*Keysight Technologies*

Dennis Lewis | Advertising & Publicity  
*Boeing*

Marco Spirito | Publications  
*Delft University of Technology*

Andrej Rumiantsev | Website & Forums  
*MPI Corporation*

Jeffrey Jargon | Communications  
& e-Publicity  
*NIST*

Jean-Pierre Teyssier | Awards  
& Membership  
*Keysight Technologies*

Gia Ngoc Phung | Forums  
*PTB*

J. Apolinar Reynoso Hernandez  
Education & Short Course  
*CICESE*

Mauro Marchetti | Workshops  
*Maury Microwave*