

**104th** ARFTG Microwave Measurement Conference

# Advanced Nonlinear and Linear Microwave Measurements

San Juan, Puerto Rico | Jan 19-22, 2025

Co-located with [RWW-2025](#) and [LAMC-2025](#)

» Call for Papers | Abstract Due Extended: **September 23th, 2024**

## Suggested topics include, but are not limited to:

- Large signal measurements incl. linearization of devices, circuits, and systems
- (N)VNA measurement & calibration to support 5G, 6G and Future-G 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 technology

**Free registration for students presenting a paper**  
**Best Student Paper Award competition**

## Outstanding exhibition and corporate sponsorship opportunities:

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

# CALL FOR PAPERS



The theme for the 104th ARFTG Conference (co-located with RWW 2025) is “Advanced nonlinear and linear microwave measurements”. 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 welcomed.

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- Large signal measurements incl. linearization of devices, circuits, and systems
- (N)VNA measurement & calibration to support 5G, 6G and Future-G systems
- Millimeter-wave antenna and OTA testing
- THz/mm-wave measurements, including with modulated signals
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Topics always of interest including:

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

## DEADLINES

<b>September 23, 2024</b>	<b>Abstract submission due (extended)</b>
October 11, 2024	Paper acceptance and classification will be communicated
November 4, 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>.

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