



APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

DEC 2 - 5, 2025 | ICC JEJU, Jeju Island, Korea

Session Title:	[FB1] Simulation and Measurement Techniques
Session Date:	December 5 (Fri.), 2025
Session Time:	08:30–10:10
Session Room:	Room B (Halla B)
Session Chair(s):	Michael E. Gadringer (Graz University of Technology, Austria) Tetsuya Ueda (Kyoto Institute of Technology, Japan)

[FB1-1] 08:30–08:50

Modeling of Braided Structures in Flexible Metallic Waveguides and Numerical Analysis of Propagation Loss

Yuki Sonoda, Tetsuya Ueda and Shogo Shimada (Kyoto Institute of Technology, Japan)

[FB1-2] 08:50–09:10

Investigation of the Impact of Bendings on the Polarization of Electromagnetic Surface Waves on Circular Polymer Microwave Fibers

Stefan Wögerbauer, Helmut Paulitsch and Michael Gadringer (Graz University of Technology, Austria)

[FB1-3] 09:10–09:30

Interlaboratory Comparison of Commercial High-Resistivity Silicon Calibration Substrate at D-Band

Hyunji Koo (Korea Research Institute of Standards and Science, Korea (South)); Gia Ngoc Phung and Uwe Arz (Physikalisch-Technische Bundesanstalt, Germany); Chihyun Cho (Korea Research Institute of Standard and Science, Korea (South)); Jae-Yong Kwon (Korea Research Institute of Standards and Science, Korea (South))

[FB1-4] 09:30–09:50

Single Port Dielectric Constant Extraction Using Digital-Twinning

Archibald W Rohde and Tinus Stander (University of Pretoria, South Africa)

[FB1-5] 09:50–10:10

Microwave Microfluidic Sensor for Detecting Ionic Contaminants in Water

Umesha Sandarenu, Amir Ebrahimi, Wayne Rowe and Kamran Ghorbani (RMIT University, Australia)