



APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

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

Session Title:	[FB2] Recent Advances in Instrumentation and Device Measurements
Session Date:	December 5 (Fri.), 2025
Session Time:	10:30-12:10
Session Room:	Room B (Halla B)
Session Chair(s):	Tinus Stander (University of Pretoria, South Africa) Sanggeun Jeon (Korea University, Korea)

[FB2-1] 10:30-10:50

Challenges for High-Datarate Chip-to-Chip Interconnects Using Organic Interposer Materials for Heterogeneous Chiplet Systems Up to 110 GHz

Jens Loeffler, Manuel Koch, Sascha Breun, Robert Weigel and Norman Franchi (Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany)

[FB2-2] 10:50-11:10

Open-Loop Active Load-Pull Setup Using the ZCU216 Radio Frequency System-on-Chip

Iaroslav Shilinkov, Rob Maaskant and Gregor Lasser (Chalmers University of Technology, Sweden)

[FB2-3] 11:10-11:30

Transformation Response Analysis of Wideband Impedance Transforming Test Fixtures in Load-Pull Measurement Setups

Lida Kouhalvandi (Dogus University, Turkey); Osman Ceylan (Maury Microwave, USA)

[FB2-4] 11:30-11:50

Four-Port Probe Stations and SOLR Calibration Standard Design Up to 125 GHz on 28 nm CMOS

Dipankar Shakya (New York University, USA); Theodore Rappaport (New York University & NYU WIRELESS, USA); Ethan Shieh and Michael E. Knox (NYU WIRELESS, USA); Hamed Rahmani (New York University, USA); Davood Shahrjerdi (NYU WIRELESS, USA); Mingjun Ying (New York University & NYU WIRELESS, USA); Kimberly Fan and Matt Lu (MPI Corporation, USA); Andrej Rumiantsev (MPI Corporation, Germany); Vince Malette (MPI Corporation, USA); Gavin Fisher, Giancarlo De Chirico, Pratik Ghate and Shean McMahon (Formfactor Inc., USA)

[FB2-5] 11:50-12:10

Deep Learning Based Phase Calibration for Enhanced Beam Control Accuracy

Nam Jik Kim (Chung-Ang University, Korea (South)); Gilsu Jeong (University of Electronics Engineering & Chung-Ang University, Korea (South)); Han Lim Lee (Chung-Ang University, Korea (South))