



APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

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

Session Title:

[WG2] Radar Signal Processing, Measurement Techniques and Systems

Session Date:

December 3 (Wed.), 2025

Session Time:

15:40-17:20

Session Room:

Room G (303)

[WG2-1]

15:40-16:00

A Deep Learning-Based Wavenumber Domain Imaging Method for ISAC

Lue Wen (National University of Singapore Singapore, Singapore); Siyuan Zhao (National University of Singapore & NUS ECE, Singapore); Tiantian Yin (National University of Singapore, Singapore); Yongxin Guo (City University of Hong Kong, Hong Kong); Xudong Chen (National University of Singapore, Singapore)

[WG2-2]

16:00-16:20

Wideband LFM Measurement with Synchronized Direct-Conversion Receivers

Ye-Won Jeong, Won-Jun Park and Byungkwan Kim (Chungnam National University, Korea (South))

[WG2-3]

16:20-16:40

Indoor Localization Using CNNs with Integrated Wi-Fi Fingerprints and Directional Information

Taiga Arata, Satoru Aikawa and Shinichiro Yamamoto (University of Hyogo, Japan)

[WG2-4]

16:40-17:00

A Mutual Coupling Based Self-Calibration Method Using RFSoc for L-Band Synthetic Aperture Radar

Koen Mouthaan (NUS, Singapore); Peizhuo Yang and Yuanchen Zeng (National University of Singapore, Singapore)

[WG2-5]

17:00-17:20

A Sub-400 mm² 24-GHz FMCW Radar with 2×2 Antenna Array Configuration

Goo-Han Ko, Ryu Si Keuk and Minki Kang (Chung-Ang University, Korea (South)); Donghyun Baek (Chung-ang University, Korea (South))