



APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

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

Session Title:

[FG2] [SS] Recent Advances in Radar Research for Various Applications II

Session Date:

December 5 (Fri.), 2025

Session Time:

10:30-12:10

Session Room:

Room G (303)

[FG2-1]

10:30-10:50

A Comprehensive Harmonic Radar Modeling Approach Through Analysis of Nonlinear Radar Equation and RCS

Sooyoung Oh and Sun K. Hong (Soongsil University, Korea (South))

[FG2-2]

10:50-11:10

Design of L-Band Radar Module Assembly

Gunyoung Kim (Hanwha Systems, Korea (South))

[FG2-3]

11:10-11:30

High-Precision Micro-Deformation Estimation Algorithm for mmWave GB-Arc-InSAR Based on One-Dimensional Range Projection

Yue Li (Chongqing University of Posts and Telecommunications, China)

[FG2-4]

11:30-11:50

A Novel MIMO Radar Imaging Algorithm for Mobile Platforms

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

[FG2-5]

11:50-12:10

3D Mount-Angle Calibration Using Inverse Sensor Model-Based Occupancy Grid Map

Ho-Won Kim, Young-Seo Ji, Jun-Beom Cho and Byungkwan Kim (Chungnam National University, Korea (South))