



APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

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

Session Title:

[FE2] Cutting-Edge Array Design: Performance Optimization and Measurement

Session Date:

December 5 (Fri.), 2025

Session Time:

10:30-12:10

Session Room:

Room E (301)

[FE2-1]

10:30-10:50

Ultra-Low-Profile Circularly Polarized Folded Metasurface Array with High Aperture Efficiency

yifan Wang Yifan, Wang (Southeast University, China); Ruina Xing (AVIC LEIHUA Electronic Technology Research Institute , China, China); Teng Li (Southeast University, China)

[FE2-2]

10:50-11:10

Discussion on the Architecture of High Aperture Efficiency Large-Spacing Horn-Lens Array

Chen-Yu Ding and Zhang-Cheng Hao (Southeast University, China)

[FE2-3]

11:10-11:30

Multifidelity Active Reflection Coefficient Surrogate Models for Large Regular Phased Arrays

Brandt Kloppe (North-West University, South Africa)

[FE2-4]

11:30-11:50

A Method for High Power Microwave Array Antenna Pointing Calibration and Power Combining Based on Drone

Xinhong Cui (The Northwest Institute of Nuclear Technology, China)

[FE2-5]

11:50-12:10

A Coverage-Reconfigurable Patch Antenna Using Switchable Parasitic Elements

Maodudul Hasan (Toyohashi University of Technology, Japan); Eisuke Nishiyama (Saga University, Japan); Masaya Tamura (Toyohashi University of Technology, Japan); Ichihiko Toyoda (Saga University, Japan)