



# 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:	10:30-11:50
Session Room:	Room E (301)
Session Chair(s):	Brandt Klopper (North-West University, South Africa) Hosung Choo (Hongik University, Korea)

[FE2-1]	10:30-10:50
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Ultra-Low-Profile Circularly Polarized Folded Metasurface Array with High Aperture Efficiency

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
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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
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Multifidelity Active Reflection Coefficient Surrogate Models for Large Regular Phased Arrays

Brandt Klopper (North-West University, South Africa)

[FE2-4]	11:30-11:50
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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)