



APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

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

Session Title:

[FE1] Antenna Designs: Reconfigurability, Feed Networks, and RCS Reduction

Session Date:

December 5 (Fri.), 2025

Session Time:

08:30-10:10

Session Room:

Room E (301)

[FE1-1]

08:30-08:50

Linear Polarization Reconfigurable Array Antenna with Pattern Diversity Using Rat-Race Coupler and Switchable Feed Network

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

[FE1-2]

08:50-09:10

A Waveguide Rat-Race Coupler with Phase Inverter Circuits Comprised of Twists

Hidenori Yukawa (Mitsubishi Electric, Japan); Takeshi Oshima and Akimichi Hirota (Mitsubishi Electric Corporation, Japan)

[FE1-3]

09:10-09:30

Broadband and Wide-Angle RCS Reduction for Microstrip Slot Array Antenna Using Metamaterial Absorber

Gege Gao, Huidong Li, Jun Yan Dai and Qiang Cheng (Southeast University, China)

[FE1-4]

09:30-09:50

An X-Shaped Compact Single-Layer Patch Antenna for Dual-Band GNSS L1/L5

Yooree Shin and Moon-Que Lee (University of Seoul, Korea (South))

[FE1-5]

09:50-10:10

A Flexible Millimeter-Wave Array Antenna with Ultralow-Loss BaTiO₃/MXene/PET Composite Substrate

Luyang Sun (Southeast University, China & Center for Flexible RF Technology, China); Hao Chen, Tong-Shuai Sun, Ze-Hui Chen, Jianing Li, Wenzhe Song and Wei Bing Lu (Southeast University, China)