



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)
Session Chair(s):	Jung-Hoon Han (Korea Aerospace University, Korea) Sheikh Faisal Ahmad (Kyungpook National University, Korea)

[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)