



APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

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

Session Title:

[FD1] Reconfigurable Antennas, Metasurfaces, and Intelligent Array Systems

Session Date:

December 5 (Fri.), 2025

Session Time:

10:30-12:10

Session Room:

Room D (Samda B)

[FD1-1]

10:30-10:50

Design of a 2-Bit Dual-Polarized Beam-Scanning Reconfigurable Intelligent Surface

Qiankun Xu, Shenglin Rao, Jiahao Chen, Jingkai Xue, Chunyue Zhao and Xing Chen (Sichuan University, China)

[FD1-2]

10:50-11:10

Compact Low-Profile Multi-Mode Hemispherical Null-Steering Antenna

Tran-Hien Bui (University of Queensland, Australia); Sasan Ahdi Rezaeieh (The University of Queensland, Australia); Christophe Fumeaux (University of Queensland, Australia)

[FD1-3]

11:10-11:30

A 3D Hemispherical Reconfigurable Antenna with Switchable Patterns Using a Butler Matrix

Mohamed Himdi (Université de Rennes, France & IETR, France); Hamsakutty Vettikalladi (King Saud University, Saudi Arabia); Amani Cherif and Sylvain Dubois (Université de Rennes, France); Ali M. Albishi (King Saud University, Saudi Arabia)

[FD1-4]

11:30-11:50

A RIS-Integrated Phased Antenna Array for 6G Wide-Range Communication Applications

Wanchen Yang (Nanjing University of Aeronautics and Astronautics, China); Li Wei (Hohai University, China); Xiangchuan Wang (Nanjing University of Aeronautics & Astronautics, China); Lihan Wang (Nanjing University of Aeronautics and Astronautics, China); Wenquan Che (South China University of Technology, China); Shilong Pan (Nanjing University of Aeronautics & Astronautics, China)

[FD1-5]

11:50-12:10

A Reconfigurable Dual-Beam Dual-CP Patch Array Antenna with Switchable Parasitic Lines

Ren Sonoda, Maodudul Hasan and Masaya Tamura (Toyohashi University of Technology, Japan)