



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:	08:30–10:10
Session Room:	Room D (Samda B)
Session Chair(s):	Soo-Chang Chae (KETI, Korea) Chung-Hao Huang (Chung Yuan Christian University, Taiwan)

[FD1-1]	08:30–08:50
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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]	08:50–09:10
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Compact Low-Profile Multi-Mode Hemispherical Null-Steering Antenna

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

[FD1-3]	09:10–09:30
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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]	09:30–09:50
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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 and Lihan Wang (Nanjing University of Aeronautics and Astronautics, China); Wenquan Che (South China University of Technology, China); Shilong Pan (Nanjing University of Aeronautics and Astronautics, China)

[FD1-5]	09:50–10:10
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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)