



APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE
DEC 2 - 5, 2025 | ICC JEJU, Jeju Island, Korea

Session Title:	[TD1] Space-Time Coding and Reconfigurable Antennas for Future Wireless Systems
Session Date:	December 4 (Thu.), 2025
Session Time:	08:30–10:10
Session Room:	Room D (Samda B)
Session Chair(s):	Md Abu Sufian (DGIST, Korea) Ick-Jae Yoon (Chungnam National University, Korea)

[TD1-1] 08:30–08:50

Frequency-Modulated Continuous Waves Generation Based on Space-Time-Coding Leaky-Wave Antenna

Zi Han Ma, Han Qing Yang, Rui Bi, Shao Nan Chen, Hui Dong Li, Jun Yan Dai and Qiang Cheng (Southeast University, China)

[TD1-2] 08:50–09:10

A RCS Manipulation Cloak Based on the 2-Bit Space-Time Coding Metasurfaces

Zhe Zhang, Hai Lin Wang and Hui Feng Ma (Southeast University, China)

[TD1-3] 09:10–09:30

A Compact Circularly Polarized Filtering Antenna with 2-Bit Reconfigurable Phase

Ge Fan (Southeast University, China)

[TD1-4] 09:30–09:50

On-Chip Slotted Patch Antenna at 226 – 244 GHz in SiGe Cu-Backend Technology

Raqibul Hasan (IHP Microelectronics, Germany); Darko Cvetkovski (IHP – Leibniz-Institut Für Innovative Mikroelektronik, Germany); Franz Alwin Dürrwald (Technische Universität Dresden, Germany); Seyyid Dilek (IHP – Leibniz Institute for High Performance Microelectronics, Germany); Uwe Maaß (Fraunhofer IZM, Germany); Akanksha Bhutani (Karlsruhe Institute of Technology, Germany); Mohamed Hussein Eissa (IHP, Germany); Batuhan Sütbaşı (IHP – Leibniz Institute for High Performance Microelectronics, Germany); Dietmar Kissinger (Ulm University, Germany); Corrado Carta (IHP – Leibniz Institut für Innovative Mikroelektronik, Germany & Technische Universität Berlin, Germany)

[TD1-5] 09:50–10:10

Dual-Band Counter-CP Antenna with Wide AR Based on Metamaterials

Pei-Min Huang, Qing-Xin Chu, Zheng-hua Rong and Pei-Lin Yu (South China University of Technology, China)