



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)

[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 and Shao Nan Chen (Southeast University, China); Hui Dong Li (Southeast University, China); 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 (Southeast University, China); H. L. Wang (Southeast University, Afghanistan)

[TD1-3]

09:10-09:30

Adaptive Frequency-Reconfigurable Antenna for Emerging 5G and IoT Applications

Domin Choi, Jaemin Lee and Wahaj Abbas Awan (Chungbuk National University, Korea (South)); Sangmin Lee (Korea National University of Transportation, Korea (South)); Nam Kim (Chungbuk National University, Korea (South))

[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)