



# APMC 2025

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

Session Title:	[TD4] Wide-Scanning and Reconfigurable Antenna Systems
Session Date:	December 4 (Thu.), 2025
Session Time:	15:40-17:20
Session Room:	Room D (Samda B)
Session Chair(s):	Arokiaswami Alphones (Nanyang Technological University, Singapore) Gangil Byun (UNIST, Korea)

[TD4-1] [Invited] 15:40-16:00

### Wideband Beam Scanning Leaky Wave Antenna Using CRLH T-Shaped Unit Cells

Arokiaswami Alphones and Mahalingam Durga Lakshmi (Nanyang Technological University, Singapore); N Nasimuddin (Institute for Infocomm Research, Singapore)

[TD4-2] 16:00-16:20

### An Ultrawide-Angle Scanning Planar Phased Array for Radar Application

Wen-Ye Liu and Zhang-Cheng Hao (Southeast University, China)

[TD4-3] 16:20-16:40

### Millimeter-Wave Miniaturized Antenna and Its Wide-Angle Scanning Array for 5G Mobile Communication

Kai Chen, Jun Xu, Jixin Chen, Zhengbo Jiang and Wei Hong (Southeast University, China)

[TD4-4] 16:40-17:00

### Pattern-Reconfigurable Antenna with Multi-Permittivity Dielectric Lens Using Dual Layer 3-D Printing Method

Ji-Hoon Lee, Young-Jun Lim, Dong-Min Seo, Yeong-Ju Seo, Hyeon-Jeong Cho and Jong-Won Yu (Korea Advanced Institute of Science and Technology (KAIST), Korea (South))

[TD4-5] 17:00-17:20

### Impedance and Radiation Phase Tunable Miniaturized PIFA with a Single Varactor for 6G FR3 Beamforming-IC-Less Array Antenna

Woojun Lee (Virginia Tech, USA); Jaehoon Kim, Jinhyun Kim and Jungsuek Oh (Seoul National University, Korea (South))