



APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

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

Session Title:	[TF1] Reconfigurable Intelligent Surface for 5G adv/6G
Session Date:	December 4 (Thu.), 2025
Session Time:	08:30-10:10
Session Room:	Room F (302)
Session Chair(s):	Atsushi Sanada (Osaka University, Japan) Seunggoo Nam (KETI, Korea)

[TF1-1] 08:30-08:50

RIS-Enabled Four-Stream Beamforming System for Multi-User Millimeter-Wave Communications

Jun Wei Zhang and Qiang Cheng (Southeast University, China)

[TF1-2] 08:50-09:10

A Millimeter Wave Omni-Directional Scattering Surface Using Randomly Placed Metal Patches

Fu-Ching Wang, Jhao-Fu Luo and Hsin-Chia Lu (National Taiwan University, Taiwan)

[TF1-3] 09:10-09:30

A Scalable LC Phase Shifter Based on Periodic Differential Microstrip Loading for 5G RIS

Yuh-Chyi Chang, Tien-Lun Ting and Tsung-Hsien Lin (National Sun Yat-Sen University, Taiwan)

[TF1-4] 09:30-09:50

300 GHz Stretchable RISs with Dynamic Reflection Beam Control

Sonoa Oe and Yuki Tankawa (The University of Osaka, Japan); Yuto Kato (National Institute of Advanced Industrial Science and Technology, Japan); Yosuke Nakata and Atsushi Sanada (The University of Osaka, Japan)

[TF1-5] 09:50-10:10

Sub-THz Graphene-Based Reconfigurable Intelligent Surface Assisted 2D Beam Steering for 6G Applications

Abhishek Chauhan, Amit Kumar Singh, Rahul Mondal and Akhilesh Kumar (Indian Institute of Technology Patna, India); Mohd Farman Ali (Indian Institute of Technology Delhi, India)