



# APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

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

<b>Session Title:</b>	<b>[TF1] Reconfigurable Intelligent Surface for 5G adv/6G</b>
<b>Session Date:</b>	<b>December 4 (Thu.), 2025</b>
<b>Session Time:</b>	<b>08:30-10:10</b>
<b>Session Room:</b>	<b>Room F (302)</b>

**[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 (National Sun Yat-Sen University, Taiwan); Tien-Lun Ting (National Sun Yat-sen University, Taiwan); 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 (Osaka University, Japan); 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 (Indian Institute of Technology Patna, India); Amit Kumar Singh (IIT Patna, India); Rahul Mondal (Indian Institute of Technology Patna, India); Akhilesh Kumar (Indian Institute of Technology, Patna, India); Mohd Farman Ali (Indian Institute of Technology Delhi, India)