



# APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

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

<b>Session Title:</b>	<b>[TD2] SIW, Multibeam, and Biomedical Antenna Solutions</b>
<b>Session Date:</b>	<b>December 4 (Thu.), 2025</b>
<b>Session Time:</b>	<b>10:30-12:10</b>
<b>Session Room:</b>	<b>Room D (Samda B)</b>
<b>Session Chair(s):</b>	<b>Chung-Tse Michael Wu (National Taiwan University, Taiwan) Jae-Young Chung (Seoul National University of Science and Technology, Korea)</b>

**[TD2-1]** 10:30-10:50

**2-D Multibeam End-Fire Antenna Based on Broadband Hybrid SIW and SICL Butler Matrices**

Wei Li, Jun Xu, Pinpin Yan, Zhengbo Jiang and Wei Hong (Southeast University, China)

**[TD2-2]** 10:50-11:10

**Experimental Analysis of a Quad-Band Antenna to Establish Wireless Intracranial Implant-to-Implant Communications**

Uzman Ali, Abdul Basir and Toni Björninen (Tampere University, Finland)

**[TD2-3]** 11:10-11:30

**A SIW-Based Shared Aperture Beam-Steerable Antenna for Multiband Wireless Communications**

Md Abu Sufian (DGIST, Korea (South)); Niamat Hussain (University of Glasgow, United Kingdom (Great Britain)); Minyoung Song (DGIST, Korea (South))

**[TD2-4]** 11:30-11:50

**G-Band CRLH Substrate-Integrated Waveguide Slot Antenna in Glass-Based IPD Technology**

Shuping Li (Rutgers University, USA); Yusiung Wu and Yu-Hsiang Cheng (National Taiwan University, Taiwan); Chung-Tse Michael Wu (Rutgers University, USA)

**[TD2-5]** 11:50-12:10

**A Hybrid-Integrated Dual-Circularly Polarized Horn Antenna with Microstrip-to-Waveguide Transition for Ku-Band Receiver Applications**

Jian-Yu Li and Hao-Chun Chen (Yuan Ze University, Taiwan); Tzung-Wern Chiou (BWant Co., Ltd, Taiwan)