



# APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

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

<b>Session Title:</b>	<b>[TE3] Recent Advances in Microwave Components and Their Applications</b>
<b>Session Date:</b>	<b>December 4 (Thu.), 2025</b>
<b>Session Time:</b>	<b>13:20–15:00</b>
<b>Session Room:</b>	<b>Room E (301)</b>
<b>Session Chair(s):</b>	<b>Jiro Hirokawa (Institute of Science Tokyo, Japan) Sungjoon Lim (Chung-Ang University, Korea)</b>

**[TE3-1]** **13:20–13:40**

### **3D-Printed Frequency-Diverse Metasurface for Camera-Based Terahertz Spectrometry**

Sakib Quader and Mariam Abdullah (The University of Adelaide, Australia); Estrid He (RMIT, Australia); Christophe Fumeaux (The University of Queensland, Australia); Withawat Withayachumnankul (The University of Adelaide, Australia)

**[TE3-2]** **13:40–14:00**

### **Compact Self-Matching Microwave Plasma Source with a Wide Impedance Bandwidth**

Jeong-Hun Park, Seung-Jun Park and Moon-Que Lee (University of Seoul, Korea (South))

**[TE3-2]** **14:00–14:20**

### **A Compact Ultrawideband Common-Mode Filter Based on Comb-Shaped Defected Ground Structure**

Zhiyuan Niu and Cheng Zhou (Southeast University, China); Peng Zhou (Nanjing University of Science and Technology, China); Xiaoxing Yin (State Key Laboratory of Millimeter Waves, China)

**[TE3-4]** **14:20–14:40**

### **Switch-Based Complex Termination Impedance Reconfigurable Filters for RF Receiver Front-Ends**

Chengfei Yi (University of Electronic Science and Technology of China, China)

**[TE3-5]** **14:40–15:00**

### **A Reconfigurable Miniaturized Bandpass Filter with a Fixed Center Frequency of 4 GHz**

Hao J Liu (University of Electronic Science and Technology of China, China)