



# APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

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

<b>Session Title:</b>	<b>[FD3] SIW and Waveguide-Based Circuits</b>
<b>Session Date:</b>	<b>December 5 (Fri.), 2025</b>
<b>Session Time:</b>	<b>13:20-15:00</b>
<b>Session Room:</b>	<b>Room D (Samda B)</b>

**[FD3-1] 13:20-13:40**

**Design of a Wideband SIW Bandpass Filter Using Resonator Spacing for Improved Coupling**

Geun-Young Bae (Korea Electronics Technology Institute, Korea (South)); Kwang-Sik Park (Thislink, Korea (South)); Jong-Gwan Yook (Yonsei University, Korea (South)); Chan-Sei Yoo (Korea Electronics Technology Institute, Korea (South))

**[FD3-2] 13:40-14:00**

**Design of SIW Filters Based on Circuit Model Extraction**

Chunxia Zhou (Nanjin University of Science and Technology, China)

**[FD3-3] 14:00-14:20**

**Band-Pass Filters Through Unmetallized 3D Printed Dielectric Waveguide Inserts**

Tinus Stander (University of Pretoria, South Africa); Carlos Sempere Chaves (Fraunhofer FHR, Germany); Dirk Nüßler (Fraunhofer Institute for High Frequency Physics and Radar Techniques FHR, Germany)

**[FD3-4] 14:20-14:40**

**Low-Pass Corrugated Filters Based on Half-Mode Groove Gap Waveguide Technology**

Stephan Marini and Antonio Seller-Rueda (Universidad de Alicante, Spain); Pablo Soto (Universidad Polit cnica de Valencia, Spain); Encarnaci n Gimeno Nieves (Universidad de Alicante, Spain); Vicente Boria (Universidad Polit cnica de Valencia, Spain)

**[FD3-5] 14:40-15:00**

**Design of a 3-dB Broadband Coupled-Line Coupler Based on Periodically Corrugated Rectangular Coaxial Waveguide**

Kelin Zhang, Qiuyi Zhang and Shunli Li (Southeast University, China); Hongxin Zhao (State Key Laboratory of Millimeter Waves, Southeast University, China)