



# APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

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

Session Title:	[TG1] Algorithms and Computational EM for Intelligent EW/Sensing
Session Date:	December 4 (Thu.), 2025
Session Time:	08:30-10:10
Session Room:	Room G (303)
Session Chair(s):	Byungkwan Kim (Chungnam National University, Korea) Young-Chul Park (Hankuk University of Foreign Studies, Korea)

[TG1-1] [Invited] 08:30-08:50

**FDA Beampattern Optimization with Nonlinear Frequency Offsets and Non-Uniform Element Spacing**

Abdul Hadee, Ahmad Bilal, Sohom Bhattacharjee, Yash Hemant Shah and Choon Sik Cho (Korea Aerospace University, Korea (South)); Pathipati Srihari (National Institute of Technology Karnataka, India)

[TG1-2] 08:50-09:10

**Design of an Optimal Jammer Trajectory for Maintaining a Consistent Jamming-to-Signal Ratio**

Bosung Park, Changhyeon Im and Hosung Choo (Hongik University, Korea (South))

[TG1-3] 09:10-09:30

**Highly Cost-Effective Reconfigurable Metasurface Using SMD Slide Switches for Zero-Power Consumption**

Kyounghwan Kim and Sungjoon Lim (Chung-Ang University, Korea (South))

[TG1-4] 09:30-09:50

**Multi-Task Frequency Attentive Network for Lightweight Small Aerial Target Classification**

Yan Gong, Hanjun Zhao and Hui Chu (Nanjing University of Science and Technology, China)

[TG1-5] 09:50-10:10

**Deep-Learning-Based X-Band Waveguide Permittivity Measurement Method for Dielectric Materials with Air Gaps**

Seonguk Kwon, Jungbin Seo, Handong Seo, Hyemin Yang, Chaejin Lee and Youngcheol Park (Hankuk University of Foreign Studies, Korea (South))