



APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE
DEC 2 - 5, 2025 | ICC JEJU, Jeju Island, Korea

Session Title:	[FF1] Advances in Wireless Sensors and Applications
Session Date:	December 5 (Fri.), 2025
Session Time:	08:30-10:10
Session Room:	Room F (302)
Session Chair(s):	Tzyy-Sheng Jason Horng (National Sun Yat-sen University, Taiwan) Min-Gi Kim (Samsung Electronics Co., Ltd., Korea)

[FF1-1] [Invited]	08:30-08:50
-------------------	-------------

Cognitive 4D MIMO Radar Technology for Human-Centric ISAC in B5G/6G Networks

Tzyy-Sheng Jason Horng and Yi-Chen Lai (National Sun Yat-Sen University, Taiwan)

[FF1-2]	08:50-09:10
---------	-------------

Biomedical Radar Sensor for Non-Contact Simplified Pulmonary Function Testing

Li Wen (Shanghai Jiao Tong University, China); Yijing Guo (Shanghai Sixth People's Hospital, China); Changzhan Gu (Shanghai Jiao Tong University, China)

[FF1-3]	09:10-09:30
---------	-------------

Contactless Vital Sign Monitor Using IEEE 802.15.4z HRP UWB Communication

Hyojun Park, Haechan Jang and Byung Jun Jang (Kookmin University, Korea (South))

[FF1-4]	09:30-09:50
---------	-------------

Basic Experiment of Sub-cm Sized 2-GHz Domino-Resonator Wireless Sensor Network for High-Density EEG

Kota Nishi, Tomoyuki Furuichi and Noriharu Suematsu (Tohoku University, Japan)

[FF1-5]	09:50-10:10
---------	-------------

Classification of Mangosteen Fruit Quality Based on Microwave Signal Measurement and Machine Learning

Suthami Ariessaputra (University of Indonesia, Indonesia); Catur Apriono and Fitri Yuli Zulkifli (Universitas Indonesia, Indonesia)