



APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

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

Session Title:	[FA4] [SS] Wireless Power Transmission Systems
Session Date:	December 5 (Fri.), 2025
Session Time:	15:20-17:00
Session Room:	Room A (Halla A)
Session Chair(s):	Young-Han Kim (KETI, Korea) Yujun Shin (Keimyung University, Korea)

[FA4-1] 15:20-15:40

Automated Coil Optimization for Efficient Wireless Power Transfer in Implantable Medical Devices

Cheolhyeon Lee, Young-Han Kim and Hyunsu Kim (Korea Electronics Technology Institute, Korea (South)); Hanbyeol Park and Junha Lee (The Catholic University of Korea, Korea (South)); Sohmyung Ha (New York University Abu Dhabi, United Arab Emirates); Soon-Jae Kweon (The Catholic University of Korea, Korea (South))

[FA4-2] 15:40-16:00

Design of N-Sector Coils with Differential Mode for Uniform Field Exposure in Cell Culture

Hae-Been Han and Moon-Que Lee (University of Seoul, Korea (South))

[FA4-3] 16:00-16:20

Cavity Resonance-Enabled WPT Using Dual-Axis Orthogonal Power Receivers

Ayumu Omae, Kawai Ryui and Masaya Tamura (Toyohashi University of Technology, Japan)

[FA4-4] 16:20-16:40

A Phased Array Antenna for 24 GHz Wireless Power Transfer Applications

Shailendra Kaushal and Yuki Suto (Fujikura Ltd., Japan); Naoki Sakai, Ryosuke Sato and Kenji Itoh (Kanazawa Institute of Technology, Japan); Ning Guan (Fujikura, Ltd., Japan)

[FA4-5] 16:40-17:00

System-Level Simulation of Long-Range Wireless Power Transfer for Multi-Device in Indoor Environment

Yoo Jung Moon, Changseok Yoon, Hyun-Seok Ahn and Young-Han Kim (Korea Electronics Technology Institute (KETI), Korea (South))