



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:	13:20-15:00
Session Room:	Room A (Halla A)

[FA4-1] 13:20-13:40

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

Cheolhyeon Lee (Korea Electronics Technology Institute, Korea (South) & KETI, Korea (South)); Young-Han Kim (Korea Electronics Technology Institute (KETI), Korea (South)); 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] 13:40-14:00

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

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

[FA4-3] 14:00-14:20

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

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

[FA4-4] 14:20-14:40

A Phased Array Antenna for 24 GHz Wireless Power Transfer Applications

Shailendra Kaushal (Fujikura Ltd., Japan); Kenji Itoh (Kanazawa Institute of Technology, Japan); Ning Guan (Fujikura, Ltd., Japan)

[FA4-5] 14:40-15:00

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

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