



APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

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

| | |
|-------------------|--|
| Session Title: | [FF3] Wireless Power Transfer, RF Devices & Circuit Modeling |
| Session Date: | December 5 (Fri.), 2025 |
| Session Time: | 13:20-15:00 |
| Session Room: | Room F (302) |
| Session Chair(s): | Kenji Itoh (Kanazawa Institute of Technology, Japan) Yeosun Yoon (Sejong University, Korea) |

[FF3-1] [Invited] 13:20-13:40

Design and Calibration of a CW Time Reversal Wireless Power Transfer Transmitter with Pilot Signal Detection

Young-Seok Lee, Taeyeon Yoon, Jungsuek Oh and Sangwook Nam (Seoul National University, Korea (South))

[FF3-2] 13:40-14:00

PTX-Symmetric Wireless Power Transfer for IoT in Low-Q Conditions

Myeongjun Shin, Chanho An and Hyunchul Ku (Konkuk University, Korea (South))

[FF3-3] 14:00-14:20

K-Band WPT Link with a DC Output Power of 2.9 Watts and a High Transfer Efficiency of 20.7% from the Transmitter's RF Output Power

Ryosuke Sato, Naoki Sakai and Kenji Itoh (Kanazawa Institute of Technology, Japan)

[FF3-4] 14:20-14:40

Rectifier Model Using Two Types of Neural Networks for Multiple Average Input Power Levels

Hiroto Sakaki (Mitsubishi Electric Corporation, Japan); Kenjiro Nishikawa (Kagoshima University, Japan)

[FF3-5] 14:40-15:00

Design of Furniture Embedded 3-D Transmitting Coil for Multi-Receiver Wireless Power Transfer

Yeong-Ju Seo, Seong-Jin Kim, Hyeon-Jeong Cho, Dong-Min Seo, Ji-Hoon Lee and Jong-Won Yu (Korea Advanced Institute of Science and Technology (KAIST), Korea (South))