



APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

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

Session Title:

[FB3] Numerical Modelling and Analysis for RF Components and Antennas

Session Date:

December 5 (Fri.), 2025

Session Time:

13:20-15:00

Session Room:

Room B (Halla B)

[FB3-1]

13:20-13:40

Efficient Integral Equation Modeling of Arbitrary Rectangular Waveguide Bends and T-Junctions with Conducting Inclusions

Fernando D Quesada Pereira and Antonio Huéscar (Technical University of Cartagena, Spain); Antonio Oliva Aparicio (Universidad Politécnica de Cartagena, Spain); Alejandro Alvarez-Melcon (Technical University of Cartagena, Spain); Vicente Boria (Universidad Politécnica de Valencia, Spain)

[FB3-2]

13:40-14:00

Comparative PEEC Modeling of Magnetic Materials Under Different Equivalent Sources

Qiwen Yan (Southwest University of Science and Technology, China); Xiaoping Li (Swust University, China); Xu Wang and Yin Sun (DeTooLIC Technology Co., China); Jun Fan (Missouri University of Science and Technology, USA); Jingkun Mao (Tianjin University of Technology, China)

[FB3-3]

14:00-14:20

A Truncated Convolution Quadrature Approach for EM Transient Scattering from Composite Structures

Rongchuan Bai (Zhejiang University, China)

[FB3-4]

14:20-14:40

Modeling of Conformal Reflectarrays Through Domain Decomposition Using a Generalized Admittance Approach

Dijun Lin (Ericsson AB, Sweden & Chalmers University of Technology, Sweden); Lars Manholm (Ericsson Research, Sweden); Parisa Aghdam (Ericsson AB, Sweden); Rob Maaskant (CHALMERS, Sweden)

[FB3-5]

14:40-15:00

A Novel Multi-Objective Maxwell's Equations Derived Optimization Algorithm and Application in Sparse Antenna Array Synthesis

Haoyang Zhang, Xin Zhang, Tong Wang, Lilin Li and Donglin Su (Beihang University, China)