



APMC 2025

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

Session Title:	[FB3] Numerical Modeling 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) Rongchuan Bai (Zhejiang University, China)
Session Chair(s):	Jae-Young Chung (Seoul National University of Science and Technology, Korea)

[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 and Xiaoping Li (Southwest University of Science and Technology, 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); Parisa Aghdam (Ericsson AB, Sweden); Rob Maaskant (Chalmers University of Technology, 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)