[WeC1] Computational Electromagnetics

Date / Time	Oct. 24 (Wed.), 2018 / 13:00-15:00
Place	Room C (Grand Ballroom 3)
Session Chairs	Ic-Pyo Hong (Kongju National University, Korea) Shinichiro Ohnuki (Nihon University, Japan)

WeC1-1 13:00-13:20

A Fast Computation of Far Interactions in MLCBFM for Electromagnetic Analysis of Large Structures

Chan-Sun Park[1], Ic-Pyo Hong[2], Inkyun Jung[3], and Jong-Gwan Yook[1]
[1]Yonsei University, Korea, [2]Kongju National University, Korea, [3]Korea Aerospace Industries, Korea

WeC1-2 13:20-13:40

A Study on Eigenmode Analysis of Pillar-Type Photonic Crystal Waveguide

Koki Watanabe and Kamin Kangkarn
Fukuoka Institute of Technology, Japan

WeC1-3 13:40-14:00

A General-Purpose Preconditioner for Method of Moments Matrices and a Novel Approach to Resolving the Low Frequency Breakdown Problem

Rajarshi Bhattacharya[1,2], Nathawut Homsup[1], and Raj Mittra[1]
[1]University of Central Florida, USA, [2]National Institute of Technology Patna, India

WeC1-4 [Invited] 14:00-14:20

Auxiliary Divergence-Free Electromagnetic Fields

Raphael Kastner[1,2]
[1]Tel Aviv University, Israel, [2]University of Pennsylvania, USA

WeC1-5 14:20-14:40

Numerical Accuracy of Finite-Difference Methods

Ryohei Ohnishi[1], Di Wu[1], Takashi Yamaguchi[2], and Shinichiro Ohnuki[1]
[1]Nihon University, Japan, [2]Tokyo Metropolitan Industrial Technology Research Institute, Japan

WeC1-6 14:40-15:00

An Efficient Unconditionally Stable RPIM Meshless Algorithm Solution of Helmholtz Wave Equation in Time Domain

R. Khalef, M. T. Benhabiles, F. Grine, Z. Cheraiet, L. Benkhaoua, H. Ammari, and M. L. Riabi
Université Fréres Mentouri, Algeria