
Session Title	[PD-M1] Wave Propagation 2
Date and Time	June 22 (Thursday) / 11:00-12:50
Place	Rm. 101 (1F)
Session Chair	Yasushi Kanai (Niigata Inst. of Tech., Japan)

PD-M1-1 **Digest ID: 317**

Digital Filtering Technique in SB FDTD for SPP Propagation Modelling on Graphene Based Optical Structures

Masud Rana, Md (1); Rabiul Islam, Md (1); Xu, Wei (2); Zhu, Jianguo (3)
1: Rajshahi University of Engineering & Technology, Rajshahi-6204, Bangladesh; 2: School of Electrical and Electronics Engineering, Huazhong University of Science & Technology, China; 3: Faculty of Engineering & IT, University of Technology Sydney, Sydney

PD-M1-2 **Digest ID: 362**

A Numerical Method for Analyzing Electromagnetic Properties of a Moving Ferromagnet with One-side Conducting Border

Shao, JingHui; Ma, XiKui; Wang, JiaWei; Yin, ShuLi
Xi'an JiaoTong University, China, People's Republic of

PD-M1-3 **Digest ID: 102**

Systematic Design of Grating Structure to Induce Surface Plasmon Resonance at the Prescribed Wavelength

Seong, Hong Kyoung (1); Yoo, Jeonghoon (2)
1: Graduate School of Mechanical Engineering, Yonsei university, Korea, Republic of (South Korea); 2: School of Mechanical Engineering, Yonsei university, Korea, Republic of (South Korea)

PD-M1-4 **Digest ID: 433**

Optimum Design of a Patch Antenna with Metamaterial

SOUZA, EDUARDO DE (1); BATALHA, ROSE MARY DE SOUZA (1); SOARES, GUSTAVO LUIS (1); SILVA, ELSON JOSÉ DA (2)
1: PONTÍFICA UNIVERSIDADE CATÓLICA DE MINAS GERAIS - PUCMINAS, Brazil; 2: UNIVERSIDADE FEDERAL DE MINAS GERAIS - UFMG, Brazil

PD-M1-5 **Digest ID: 500**

Electromagnetic simulation of rotating propeller blades for radar detection purposes

Marak, Karoly; Peto, Tamas; Bilicz, Sandor; Gyimothy, Szabolcs; Pavo, Jozsef
Budapest University of Technology and Economics, Hungary

PD-M1-6

Digest ID: 605

Multi-Domain Transmission Conditions for Domain Decomposition Methods Applied to Scattering Problems

Baratta, Igor Almeida; da Silva, Elson José
Universidade Federal de Minas Gerais, Brazil

PD-M1-7

Digest ID: 138

Interactive Electromagnetic Simulation for Optimizing Photonic Crystal Waveguides Using GPU

Yokoyama, Yuki (1); Chen, Gong (2); Nakata, Susumu (1); Ikuno, Soichiro (2)
1: Ritsumeikan University, Japan; 2: Tokyo University of Technology, Japan

PD-M1-8

Digest ID: 692

Numerical computation of plasmonic resonances in devices made of several dispersive media

Demésy, Guillaume; Nicolet, André; Zolla, Frédéric
Aix Marseille Univ, CNRS, Centrale Marseille, Institut Fresnel, F-13013 Marseille, France

PD-M1-9

Digest ID: 705

Hybrid Cross Approximation and Shared-Memory Programming for the Electric Field Integral Equation

Daquin, Priscillia (1); Poirier, Jean-René (1); Perrussel, Ronan (1); Buttari, Alfredo (2)
1: Université de Toulouse, CNRS, LAPLACE, Toulouse, France; 2: Université de Toulouse, CNRS, IRIT, Toulouse, France

PD-M1-10

Digest ID: 761

High-Resolution Millimeter Wave Ground Based-SAR Imaging via Compressed Sensing

Jung, Sang-hoon (1); Cho, Yong-sun (2); Kim, Jin-Hyeok (1); Park, Rae-seoung (3); Chung, Yong-seek (4); Jung, Hyun-Kyo (1)
1: Department of Electrical and Computer Engineering, Seoul National University, Seoul 08826, Korea; 2: R&D Center of Aerospace Division, Korean Air, Daejeon 34054, Korea; 3: Department of Electrical and Computer Engineering, University of Seoul, Seoul 13