
Session Title	[PB-A8] Wave Propagation 1
Date and Time	June 20 (Tuesday) / 14:10-16:00
Place	Rm. 104 (1F)
Session Chair	Sandor Bilicz (Budapest Univ. of Tech, and Economics, Hungary)

PB-A8-1

Digest ID: 42

A Statistical Study of DORT method for Locating Soft Faults in Complex Wire Networks

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PB-A8-2

Digest ID: 87

Numerical Investigation of Higher-Order Mode Characteristics in Polarizer Miter Bend

Fujita, Yoshihisa (1); Ikuno, Soichiro (2); Toru, Tsujimura (3); Kubo, Shin (3,4); Nakamura, Hiroaki (3,4)

1: National Institute of Technology, Hakodate College, Japan; 2: School of Computer Technology, Tokyo University of Technology, Japan; 3: National Institute of Fusion Science, National Institute of Natural Sciences, Japan; 4: Department of Energy Engineer

PB-A8-3

Digest ID: 99

Magnetic resonator design in a VHF range using a systematic design approach

Shin, Hyundo (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)

PB-A8-4

Digest ID: 101

Implementation of Microwave Simulation at Dispersive Material in Dataflow Architecture FDTD Dedicated Computer

Kawaguchi, Hideki (1); Matsuoka, Shun-suke (2)

1: Muroran Institute of Technology, Japan; 2: National Institute of Technology, Asahikawa College

PB-A8-5

Digest ID: 389

Tractable Bayesian Learning for Automated Design of Electromagnetic Structures

Patel, Ramesh; Roy, Kallol; Choi, Jaesik; Han, Ki Jin

Ulsan National Institute of Science and Technology, Korea, Republic of (South Korea)

PB-A8-6

Digest ID: 105

Study on defect detection in cylindrical cavity by electromagnetic ultrasonic creeping wave

Liu, Suzhen; Dong, Shuo; Zhang, Yanwei; Zhang, Chuang; Jin, Liang; Yang, Qingxin; Zhang, Changgeng
Hebei University of Technology, China

PB-A8-7

Digest ID: 688

Simulation Based Design of a New Capacitive Probe for Very Fast Voltage Measurements on High Voltage Cables

Obrist, Roman (1); Bucher, Matthias (1); Smajic, Jasmin (1); Hennig, John (2)
1: HSR University of Applied Sciences, Switzerland; 2: Comet AG, Switzerland

PB-A8-8

Digest ID: 206

Design of cubesat planar antennas using Niobium Pentoxide substrate

Travassos, X. Lucas (1); Queiroz, Idalmir (2); Fontgalland, Glauco (3); Dantas, Josiane (4)
1: Federal University of Santa Catarina, Brazil; 2: Federal University of Semiárido, Brazil; 3: Federal University of Campina Grande, Brazil; 4: Manufacturing and Technology Integrated Campus, Brazil

PB-A8-9

Digest ID: 273

Total-Field/Scattered-Field Separation Based on H-field Correction for the 3-D Nonstandard Finite-Difference Time-Domain Method

Ohtani, Tadao (1); Kanai, Yasushi (2); Kantartzis, Nikolaos (3)
1: Asahikawa, Japan; 2: Niigata Institute of Technology, Japan; 3: Aristotle University of Thessaloniki

PB-A8-10

Digest ID: 313

2D Time Domain Geometrical Optics with Ray Tracing Accelerated by Binary Space Partitioning

Lyu, Pengfei (1,2,3); Xu, Xiaoyu (1,2); Yan, Shuai (1,2); Ren, Zhuoxiang (1,4)
1: Institute of Microelectronics, Chinese Academy of Sciences, China; 2: Beijing Key Laboratory of 3D & Nano IC Electronic Design Automation Technologies, Beijing, China; 3: University of Chinese Academy of Sciences, Beijing, China; 4: Sorbonne Université

PB-A8-11

Digest ID: 355

A Numerical Method for Analyzing Electromagnetic Properties of a Moving Three-dimensional Object

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

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Digest ID: 554

High-frequency electromagnetic field analysis by COCR method using anatomical human body models

Takei, Amane (1); Ogino, Masao (2); Sugimoto, Shin-ichiro (3)
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