

WA2**Antennas with Metmaterials 1****WB2****Computational Electromagnetics 1****WD2****Mobile and Indoor Propagations 1**

Rm. Capri 1001 - 1002

Rm. Capri 1003

Rm. Capri 1103

1530 – 1550

109**Dual Frequency Band Operations of Composite Right/Left Handed Transmission Line and Inverted-F Antenna**

Hirohisa Kitahara, Naobumi Michishita, Yoshihide Yamada

National Defense Academy, Japan

92**The Multi-Scale Method Combined to the GEC Modeling for the Study of Pre-Fractal Structures with Incorporated PIN Diodes**

Sonia Mili, Chiraz Larbi Aguilil, Taoufik Aguilil

National Engineering School of Tunis, Tunisia

24**Pulse Shaping for Impulse Radio UWB**

Robert Urban, Pavel Pechac

Czech Technical University in Prague, Czech Republic

1550 – 1610

134**Circularly Polarized Microstrip Leaky Wave Antenna Using Composite Right/Left-Handed Transmission Line**

Yoshiki Mitsuhata, Ryo Osagawa, Kazuhiro Kitatani, Yasuyuki Okamura

Osaka University, Japan

139**Robustness and Stability of a Massively Parallel Out-of-Core Solver for Solving Pure MoM Problems with Million Level Unknowns**Yu Zhang¹, Xun-Wang Zhao¹, Sio-Weng Ting², Hang Su³¹ Xidian University, China² University of Macau, China³ Lanzhou University, China**35****Vegetation Attenuation by a Single Tree for High Elevation Angles at 2.0 and 6.5 GHz**

Petr Horak, Pavel Pechac

Czech Technical University in Prague, Czech Republic

1610 – 1630

173**Dual Layer Minkowski Radiating Shape for Reflectarray Antenna Design**

Amiruddeen Wahid, Mohamad Kamal Abdul Rahim, Farid Zubir, Sharifah Hafizah Syed Ariffin, Sharifah Kamilah Syed Yusof

Universiti Teknologi Malaysia, Malaysia

188**Numerical Analysis of Electromagnetic Bandgap Structures of Arbitrary Shapes**

Maurice Seay, Mitsuhiro Yokota

University of Miyazaki, Japan

64**On Distance Characteristics Parameters Evaluated by a Two-Ray Ground Reflection Model**

Taro Tamaki, Kazunori Uchida, Junichi Honda

Fukuoka Institute of Technology, Japan

1630 – 1650

198**Mutual Coupling Reduction in Patch Antenna Arrays Using Corrugated Structure**

Cheng Huang, Zeyu Zhao, Qin Feng, Xiangang Luo

Chinese Academy of Sciences, China

241**Marching-on-in-Time Method with Equivalent Dipole Moment Method for Time Domain Electric Field Integral Equation**

Jaroslav Lacik

Brno University of Technology, Czech Republic

71**Outdoor/Indoor Propagation Experiment for Estimation of Interference Level Caused by Terrestrial Mobile Terminal in Satellite/Terrestrial Integrated Mobile Communication System**A. Miura, H. Watanabe, H. Tsuji, N. Hamamoto, Y. Fujino, R. Suzuki
NICT, Japan

1650 – 1710

201**FD/DFD and FDTD Analysis of Photonic Crystals and Loss Effect on Propagation Modes**

Amin Gul Hanif, Takuji Arima, Toru Uno

Tokyo University of Agriculture and Technology, Japan

269**Investigations on Thermal Distribution and Average Power Handling Capability of Substrate-Integrated Waveguide (SIW)**

Yumei Chang, Wenquan Che, Liming Gu, Li Li

Nanjing University of Science & Technology, China

222**Coverage Prediction for ATSC interference form ISDB-T System**

Sung Woong Choi, Heon Jin Hong

Electronics and Telecommunications Research Institute, KOREA,

1710-1730

213**Effect of Substrate Thickness on the Radiation Characteristics of Inductor-loaded Patch Antenna**

Hyun-Woo Cho, Tae-Young Kim, Boo-Gyoun Kim

Soongsil University, Korea

251**Evaluation of Free Space Link Budget in UWB Impulse Radio**

Pitak Keawbunsong, Sathaporn

Promwong, Thawatchai

Sereewattanapong, Suvepol Sittichivapak

King Mongkut's Institute of Technology Ladkrabang, Thailand.