

5.5 *Best Student Paper Competition*

Date: 24 November 2010

Time: 14:30 – 16:30

Venue: Capri 1101 – Capri 1102

Paper ID: **26**

Printed WWAN Coupled-Fed Loop Antenna Closely Integrated with Nearby System Ground Plane for Mobile Phone Application

Ting-Wei Kang, Wei-Yu Chen, Kin-Lu Wong

National Sun Yat-Sen University, Taiwan

Paper ID: **27**

Efficient Modeling of a Small Reverberation Chamber Using FDTD Method

SoonGyu Yi¹, Ki-Bok Kong¹, Jung-Hwan Choi¹, Jung-Ick Moon², Seong-Ook Park¹

¹Korea Advanced Institute of Science and Technology

²Electronics and Telecommunications Research Institute, Korea

Paper ID: **47**

Application of Impedance Extension Method to 2D Large-Scale Periodic Array Antenna with Faulty Elements

Keisuke Konno, Qiang Chen, Kunio Sawaya, Toshihiro Sezai

Tohoku University, Japan Aerospace Exploration Agency, Japan

Paper ID: **54**

Adding Dense Multipath Components to Geometry-Based MIMO Channel Models

Juho Poutanen¹, Fredrik Tufvesson², Katsuyuki Haneda¹, Lingfeng Liu³, Claude Oestges³, Pertti Vainikainen¹

¹Aalto University School of Science and Technology, Finland

²Lund University, Sweden

³Université catholique de Louvain, Belgium

Paper ID: **57**

13.56 MHz-RFID Antenna Fabricated with Metal Layer of Standard CMOS Process for Biosensor Applications

Boram Kim, Shigeyasu Uno, Kazuo Nakazato

Nagoya University, Japan

Paper ID: **66**

Numerical Solution for Transient Scattering by Uniformly Moving Targets

S.Q Jia¹, X.M Jiang¹, M.Y Xia²

¹Peking University, China

²University of Electronic Science and Technology, China

Paper ID: **67**

Design of a MIMO Antenna with an Inductor Loaded Neutralization Line for Wireless Communications

Changho Lee, Juman Kim, Minseok Han, Jaehoon Choi
Hanyang University, Korea

Paper ID: **95**

Low-Profile Leaky-Wave Antenna with Monopolar Radiation Pattern Using Composite Right / Left-Handed Transmission Line

Woo-jin Kim, Naobumi Michishita, Yoshihide Yamada
National Defense Academy, Japan

Paper ID: **132**

Single-Feed Circularly Polarized Microstrip Antenna Loaded with a Periodic Structure Superstrate

Chawalit Rakluea¹, Sarawuth Chaimool¹, Kwok L. Chung², Prayoot Akkaraekthalin¹

¹King Mongku's University of Technology North Bangkok, Thailand

²The Hong Kong Polytechnic University, Hong Kong

Paper ID: **137**

The Radiation Characteristics of a Liner Phased Array Antenna Using Inductor Loaded Patch Antennas

Tae-Young Kim, Gun-Su Kim, Boo-Gyoun Kim
Soongsil University, Korea

Paper ID: **141**

Polarization Switching of Ring Microstrip Antennas Fed by an L-Probe with PIN Diodes

Kenta Yamaura, Yuichi Kimura, Misao Haneishi
Saitama University, Japan

Paper ID: **146**

Analysis of Electrodes for Body-Centric Communications

Nozomi Haga, Kazuyuki Saito, Masaharu Takahashi, Koichi Ito
Chiba University, Japan

Paper ID: **149**

Simple Selection Method by the Second Eigenvalue in Indoor 2x2 MIMO System

Mitsuki Sagara, Daisuke Uchida, Hiroyuki Arai
Yokohama National University, Japan

Paper ID: **152**

A 2.45GHz Band Passive RFID System Using a Single Wire Transmission Line

Toru Suzuki, Shigeki Obote, Kenichi Kagoshima
Ibaraki University, Japan

Paper ID: 171

Heating Performance of Loop Antenna for Microwave Thermal Therapy by Combination of HIFU Treatment System

Samon Ishikawa, Kazuyuki Saito, Masaharu Takahashi, Koichi Ito
Chiba University, Japan

Paper ID: 210

Design of a Linearly-Polarized Radial Line Slot

Ken Saeki, Hideki Ueda, Jiro Hirokawa, Makoto Ando
Tokyo Institute of Technology, Japan

Paper ID: 297

An Adaptive Evaluation Method of Material with Complex Permittivity in a Cylindrical Cavity

Nobuyuki Nakao, Yosuke Morishita, Kikuo Wakino, Toshihide Kitazawa
Ritsumeikan University, Japan

Paper ID: 317

A Three-Port Integrated Dual Band Filter-Antenna Module

Li Yang, Pedro Cheong, Wai Wa Choi, Kam Weng Tam
University of Macau, Macao

Paper ID: 320

An Integrated Open-Loop Resonator Bandpass Filter-Slot Antenna with Stopband Improvement

Wen-Yao Zhuang, Pedro Cheong, Wai-Wa Choi, Kam-Weng Tam
University of Macau, Macao

Paper ID: 331

Interpolating Multilevel Green's Function with Radial Basis Function and Phase Compensation

Peng Zhao, Chi Hou Chan,
City University of Hong Kong, Hong Kong