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Advanced Technical Program

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Coffee Break

14:05 - 14:15

Pre-function Area (4F & 8F)

M4: RF, Microwave, Millimeter Wave Components and Circuits II

14:15-15:05

Jul. 11, Thursday

Main Hall

Chair: Prof. Her-Lih Chiueh

M4-1

220043: Complementary Voltage-Controlled Oscillator with Degenerated Drain-connected Inductors...164

Ho-Chang Lee, Wei-Ling Huang and Chang-Han Wu (Chung Yuan Christian University, Taiwan)

Sheng-Lyang Jang (National Taiwan University of Science and Technology, Taiwan)

M4-2

220068: A Frequency Isolator Design For 5G-FR2 Bands...167

Chao-Shun Yang, Jia-Wei Shi and Bevin Aqilla Faalih (Ming Chi University of Technology, Taiwan)

M4-3

220116: UWB Low R Jitter Phase-Locked Loops Uses Voltage-Controlled Oscillator...170

Ho-Chang Lee, Hao-Yun Li and Yu-Chen Kuo (Chung Yuan Christian University, Taiwan)

Sheng-Lyang Jang (National Taiwan University of Science and Technology, Taiwan)

M4-4

220121: Performance Improvement in AlGaIn/GaN-Based HEMT with Optimized Ohmic Contacts...N/A

Wen-Sheng Peng, Zhao-Xiang Luo, Zi-Ming Peng, Meng-Hsin Chen and Vin-Cent Su (National United University, Taiwan)

M4-5

220064: Toward a Greener ASEAN: Wireless Power Transmission Solutions for Urban Environments...173

Wai Yie Leong (INTI International University, Malaysia)

Yuan Zhi Leong and Wai San Leong (Schneider Electric Singapore Pte. Ltd., Singapore)

A4: AI-based EM Technology

14:15-15:05

Jul. 11, Thursday

Room A

Chair: Prof. Sheng-Yao Hu

A4-1

220036: Prospects of Application Based on Automatic Measurement Platform for Analysis of EMI Characteristics of Development Board ICs and Determination of Program Execution...175

Shao-Hsiang Hung, Shih-Yi Yuan and Tzu-Ning Wu (Feng Chia University, Taiwan)

Yuan-Fu Ku and Liang-Yang Lin (Electron Testing Center, Taiwan)

A4-2

220085: Bilayer Thin-Film Terahertz Polarizer Manufactured By Laser Direct Writing...178

Yin-Han Cheng, Chih-Han Lin and Yu-Hsiang Cheng (National Taiwan University, Taiwan)

Chao-Jia Liu (The University of Texas at San Antonio, USA)

A4-3

220135: Advanced Second-Order Sensitivity Neural Network Modeling Approach for Microwave Devices...N/A

Hui Zong (CETC Metrology & Test & Certification (Beijing) Company Limited, China)

Kaige Qu (University of Waterloo, Canada)

Wei Zhang, Haitian Hu and Dingcheng Yi (Beijing University of Posts and Telecommunications, China)

A4-4

220137: Artificial Neural Network-Assisted Anti-Resonance Hollow Core Fiber Confinement Loss Prediction...N/A

Dingcheng Yi, Zhiguo Zhang, Wei Zhang and Haojie Zhang (Beijing University of Posts and Telecommunications, China)

B4: Antennas and Propagation III

14:15-15:05

Jul. 11, Thursday

Room B

Chair: Prof. Cheng-Yen Chen

B4-1

220119: Parallel Coplanar Waveguide-Fed Antenna Design for Full-Duplex Wireless Systems...180

Li-Chi Chang, Yi-Xuan Shi and Tzong-Dar Wu (National Taiwan Ocean University, Taiwan)

B4-2

220122: Simulation Study of Plane Wave Generator Implemented by Stacked Patch Antenna for 5G Millimeter Wave Compact Antenna Test Range...182

Li Cao and Jui-Ching Cheng (National Taipei University of Technology Taiwan)

B4-3

220126: Design and Development of Artificial Magnetic Conductor on Asymmetric Coplanar Strip Antenna for Wireless Applications...184

Yusnita Rahayu and Ishmatullah Bahri (Universitas Riau, Indonesia)

Chia-Hao Ku (Ming Chi University of Technology, Taiwan)

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220128: Retrodirective Harmonic Tag using Van-Atta array...186

Kakeru Murata and Nobuhiro Kuga (Yokohama National University, Japan)

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220132: Small compact spiral implanted antenna with the defected ground structure for leadless pacemaker application...188

Yusnita Rahayu and Nafisyah Apriani (Universitas Riau, Indonesia)

Teguh Praludi (National Research and Innovation Agency, Indonesia)

Coffee Break

15:05 - 15:20

Pre-function Area (4F & 8F)

Keynote Speaker VI

15:20 - 16:10

Main Hall

A Brand New TCATR for 5G and LEO Satellites OTA Measurement...N/A

Prof. Dau-Chyrh Chang (IEEE Life Fellow, Taiwan)

Closing Ceremony

16:10 - 17:00

Main Hall

July 12th Tours and Activities

Corporate Visits

09:30-11:30

TMY Technology Inc. (TMYTEK)

(Address: Rm. E, 3F., No. 3, Yuandong Rd., Banqiao District., New Taipei City, Taiwan)

Lunch

11:30-13:30

Hai Pa Wang (Hai-Shan)

(Address: No. 22, Sec.1, Zhongyang Rd., Tucheng District, New Taipei City, Taiwan)

The Lin Family Mansion and Garden Tour

13:30-16:40

The Lin Family Mansion and Garden

(Address: No. 9, Ximen St., Banqiao District, New Taipei City, Taiwan)