

IWSA2024: Technical Program Rundown

Day2: November 20th 2024

Session 1: 08:25 – 10:40

Session Chairs: Wai Sai Wong (Shenzhen University), Guanlong Huang (Foshan University)

Time	Title	Authors	Institution(s)
08:25 — 08:40	Surrogate Model Assisted Frequency Selective Surfaces Multifunctional Optimization	Hongji Li, Sai-Wai Wong	Shenzhen University
08:40 — 08:55	Vehicle Networking Automatic Dial-Up Testing System: Deep Integration of Data Accuracy and Application Innovation	Liang Rao	China Mobile Communications Group Co., Ltd. (Hubei Branch)
08:55 — 09:10	Thermal Runaway Monitoring in Lithium-Ion Batteries via Advanced Optical Fiber Sensor	Zhengqiang Yan, Tuan Guo, Xile Han	Jinan University
09:10 — 09:25	Analysis of Square Coaxial Transmission Line With Additive Manufacturing Insulator Support	Xuzhou Yu, Lei Zhu	University of Macau
09:25 — 09:40	Wideband Out-of-Phase Filtering Power Divider With Arbitrary Power Dividing Ratio and High Selectivity	Siyu Li, Junjie Zhang, Mengyu Liu, Wenju Zhang, Tianye Ma, Gang Zhang	Nanjing Normal University
09:40 — 09:55	Field Strength Assessment for Underground Wireless Communication at LF Bands	Haruto Utsushigawa, Kun Li, Takuma Matsumoto, Shota Yamada, Takeo Fujii	The University of Electro-Communications
09:55 — 10:10	A Prior-Knowledge-Based Optimization Method for Microwave Sensor Design in Heavy Metals Detection	Peng-Fei Qin, Hao-Xuan Xian, Jing-Xi He, Yi-Min Yu, Guan-Long Huang, Xiaoming Chen, Zi-Yu Pang, Jin-Peng He	Foshan University, Xi'an Jiaotong University, University of Macau
10:10 — 10:25	Half-Mode Gap Waveguide Filtering Power Divider Based on Spoof Surface Plasmon Polariton	Jing Lu, Jingchun Fan, Jidong Liu, Weicheng Yi, Gang Zhang	Nanjing Normal University
10:25 — 10:40	Packaged Wideband Filtering Power Divider With Out-of-Phase on Multilayer Stripline	Qian Han, Zihan Duanmu, Runzhe Huang, Hao Xu, Tianye Ma, Gang Zhang	Nanjing Normal University
10:40 — 11:00	Tea Break		

Session 2: 11:15 – 13:15

Session Chairs: Gang Zhang (Nanjing Normal University), Wenhai Zhang (Soochow University)

Time	Title	Authors	Institution(s)
11:15 — 11:30	<i>Novel Design Approaches to Planar End-Fire Dual-Band Circularly Polarized Antennas</i>	Hai Peng Zhang, Wenhai Zhang, Kam-Weng Tam	Soochow University, University of Macau
11:30 — 11:45	<i>Low-Loss Dual-Wideband Circularly-Polarized Antenna Using Loading Technology</i>	Suchuan Qian, Xuan Li, Jie Tian, et al.	Nanjing Normal University
11:45 — 12:00	<i>A Pattern Reconfigurable Microstrip Patch Antenna With Through Glass via</i>	DaoXi Gong, Chanxi Han, Huawei Lin, et al.	Shenzhen University
12:00 — 12:15	<i>A Low-Profile Broadband 2D Array Based on Inverted-E and Π Shaped Shared Structure Elements</i>	Yan Xu, Bin Yuan, Wenchang Wang, Zhen Liu	Shanghai Jiao Tong University
12:15 — 12:30	<i>A Novel Circularly-Polarized Microstrip Antenna by Coupled Resonators</i>	Jia-Xiang Hao, Lei Zhu	University of Macau
12:30 — 12:45	<i>An Ultra-Wideband Antipodal Vivaldi Antenna at 0.8-30.5 GHz</i>	Ming-Feng Xu, Hao-Xuan Xian, Jing-Xi He, et al.	Foshan University, University of Macau
12:45 — 13:00	<i>Curvature-Induced Performance Variations in Conformal Antennas of Wireless Sensing of Smart Jewelry</i>	Wang Cheong, YongYu Huang, Huawei Lin, et al.	University of Macau, Shenzhen University, Gold Touch Macau
13:00 — 13:15	<i>A Dual-Band and Quadruple-Mode Circular Stacked Patch Antenna With Dual TM₁₁ and TM₁₂ Modes</i>	Chuqi Zhuang, Huawei Lin, Zhenyao Qian, et al.	Shenzhen University