



[ThD1] [Special Session] IAET Special Session: Antenna Technologies for 4G/5G Mobile Communication Devices

Date / Time	Oct. 25 (Thu.), 2018 / 09:00-10:40
Place	Room D (Napoli Room)
Session Chairs	Wei-Yu Li (Industrial Technology Research Institute, Taiwan) Cheng-Tse Lee (ASUSTek Computer Inc., Taiwan)

ThD1-1

09:00-09:20

Compact Quad-Offset Loop/IFA Hybrid Antenna Array for Forming Eight 3.5/5.8 GHz MIMO Antennas in the Future Smartphone

Wei-Yu Li¹, Wei Chung¹, and Kin-Lu Wong²

¹Industrial Technology Research Institute, Taiwan, ²National Sun Yat-Sen University, Taiwan

ThD1-2

09:20-09:40

A MIMO Dual-Polarized Antenna Array for Small Cell Application

Chia-Lun Tang¹, Chi-Ming Chiang¹, Shih-Chi Lai¹, Wen-Hsiu Hsu², and Wei-Yan Chen²

¹Auden Techno Corp., Taiwan, ²Shu-Te University, Taiwan

ThD1-3

09:40-10:00

AI-Based Antenna Technology for 5G Software-Defined Radio Platform

Lan-Hsin Wang¹, Fu-Ren Hsiao¹, Yu-Xuan Zhang², and Tsung-Wen Chiu²

¹Advanced Wireless and Antenna Inc., Taiwan, ²BWant Co., Ltd., Taiwan

ThD1-4

10:00-10:20

Small-Sized, Tri-Band, Two-Antenna System Aimed for 4 × 4 Gbps Notebook Applications

Cheng-Tse Lee and Saou-Wen Su

ASUSTek Computer Inc., Taiwan

ThD1-5

10:20-10:40

An Eight-Band WWAN/LTE By-Hinge Printed Inverted-F Antenna on Laptop Computer

Shu-Chuan Chen¹, Chong-Wei Liou², Chung-I G. Hsu², and Jia-Yi Sze¹

¹National Defense University, Taiwan, ²National Yunlin University of Science and Technology, Taiwan