



[ThE1] [Special Session] Innovative and Practical Antenna Designs

Date / Time	Oct. 25 (Thu.), 2018 / 09:00-10:40
Place	Room E (Venice Room)
Session Chairs	Chow-Yen-Desmond Sim (Feng Chia University, Taiwan) Wen-Jiao Liao (National Taiwan University of Science and Technology, Taiwan)

ThE1-1

09:00-09:20

A Coupled-Feed Monopole Antenna for UHF RFID Reader Application

Chow-Yen-Desmond Sim, Jia-He Zhuang, Wei-Sheng Liao, Jin-Rong Liou, Chia-Chin Hsu, and Jian-Yu Huang
Feng Chia University, Taiwan

ThE1-2

09:20-09:40

A Diversity-Based Multi-Antenna Design for Comprehensive RFID Tag Reading

Wen-Jiao Liao¹, Yi-Chung Li¹, Hao-De Tang¹, Hsin-Chin Liu¹, and Chin-Chung Nien²
¹*National Taiwan University of Science and Technology, Taiwan*, ²*Industrial Technology Research Institute, Taiwan*

ThE1-3

09:40-10:00

Metamaterial Self-Oscillating Active Antennas for Extending Readable Range of RFID

Tzyh-Ghuang Ma, Zhi-Hong Liu, Yu Wei Chang, and Huy Nam Chu
National Taiwan University of Science and Technology, Taiwan

ThE1-4

10:00-10:20

Dual-Band Embedded Antenna on Metallic Chassis for Tunable Low-Band and Broadband High-Band

Chien-Hao Chiu¹, Shih-Chia Chiu², Shih-An Yang², Wang-Ta Hsieh², and Shih-Yuan Chen¹
¹*National Taiwan University, Taiwan*, ²*ASUSTek Computer Inc., Taiwan*

ThE1-5

10:20-10:40

Stent-Based Antennas for Smart Stent Applications

Shuo-Chih Chen, Zhe-Yuan Zhang, and Chien-Hao Liu
National Taiwan University, Taiwan