



[FrG1] [Special Session] Metamaterial-related Antennas

Date / Time	Oct. 26 (Fri.), 2018 / 08:30-10:10
Place	Room G (Sicily Room)
Session Chairs	Hisamatsu Nakano (Hosei University, Japan) Richard W. Ziolkowski (University of Technology Sydney, Australia)

FrG1-1

08:30-08:50

Dual-Functional Electrically Small Huygens Antenna System

Wei Lin and Richard W. Ziolkowski

University of Technology Sydney, Australia

FrG1-2

08:50-09:10

A Small Real-Estate Platform for 5G Beamforming/Beam-Steering Antennas Shared with WBAN UHF-Band MIMO Antennas

Heejun Park, Gwang-Gyun Namgung, Changhyeong Lee, Jinyoung Kwon, and Sungtek Kahng

Incheon National University, Korea

FrG1-3

09:10-09:30

Phase Change for CP Conical Radiation from a Metaloop Antenna

Hisamatsu Nakano, Tomoki Abe, and Junji Yamauchi

Hosei University, Japan

FrG1-4

09:30-09:50

Coaxially Fed Monopole Antenna Composed of Composite Right/Left-Handed Transmission Line

Takatsugu Fukushima¹, Naobumi Michishita¹, Hisashi Morishita¹, and Naoya Fujimoto²

¹*National Defense Academy, Japan*, ²*Hitachi Kokusai Electric Inc., Japan*

FrG1-5

09:50-10:10

Polarization Control of Leaky Wave Radiation from Phase-Shifting Nonreciprocal CRLH Metamaterials

Junji Yamauchi¹, Tetsuya Ueda¹, and Tatsuo Itoh²

¹*Kyoto Institute of Technology, Japan*, ²*University of California, USA*