



[FrF3] [Special Session] Millimeter Wave Metasurfaces for Communication and Sensing

Date / Time	Oct. 26 (Fri.), 2018 / 14:30-16:10
Place	Room F (Miami Room)
Session Chairs	Jungsuek Oh (Seoul National University, Korea) Kuang Zhang (Harbin Institute of Technology, China)

FrF3-1

14:30-14:50

Principle of Ultra-Thin Metalenses and Applications in Manipulation of Electromagnetic Waves

Kuang Zhang, Ruiwei Dai, Yueyi Yuan, Xumin Ding, Guohui Yang, Jiahui Fu, and Qun Wu
Harbin Institute of Technology, China

FrF3-2

14:50-15:10

Continuously Tapered Sinusoidally Modulated Reactance Surface Antenna

Doohyun Yang and Sangwook Nam
Seoul National University, Korea

FrF3-3

15:10-15:30

Design of Frequency Selective Surface Loaded to Multilayer Dielectric Plate for Loss Reduction over Wide Incident Angle

Shota Ino, Tomihiro Ikegami, Kunio Sakakibara, Nobuyoshi Kikuma, and Toshikazu Hori
¹*Nagoya Institute of Technology, Japan*, ²*University of Fukui, Japan*

FrF3-4

15:30-15:50

Design of Compact Flat Lens for 5G MIMO Array Antenna System

Seungtae Ko, Yoongeon Kim, Hyunjin Kim, and Youngjoo Lee
Samsung Electronics Co., Ltd., Korea

FrF3-5

15:50-16:10

Cross Bowtie Antenna-Coupled Detector for Circularly Polarized Infrared Wave Sensing

Sangjo Choi
University of Ulsan, Korea