



[FrB2] EBG, Metamaterials and Applications

Date / Time	Oct. 26 (Fri.), 2018 / 10:30-12:30
Place	Room B (Grand Ballroom 2)
Session Chairs	Naobumi Michishita (National Defense Academy, Japan) Rangsan Wongsan (Suranaree University of Technology, Thailand)

FrB2-1

10:30-10:50

Thin Cylindrical Cloak Using Multi-Layer Ceramic Capacitors

Thanh Binh Nguyen¹, Naobumi Michishita¹, Hisashi Morishita¹, Teruki Miyazaki², and Masato Tadokoro²

¹National Defense Academy, Japan, ²The Yokohama Rubber Co., Ltd., Japan

FrB2-2

10:50-11:10

Equivalent Circuit Modeling for Combination of Square-Shaped and H-Shaped SRRs

Pornpat Pramerudeechaisak, Piyaporn Mesawad, and Rangsan Wongsan

Nakhon Ratchasima, Thailand

FrB2-3

11:10-11:30

Gain Enhancement of Asymmetric Horn for Secondary Radar Antenna System Using Hybrid Metamaterials

P. Khamsalee, P. Mesawad, and R. Wongsan

Suranaree University of Technology, Thailand

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11:30-11:50

An Update on Use of Unstable Non-Foster Networks in Metamaterial-Inspired EM Structures

Silvio Hrabar, Igor Krois, and Leo Vincelj

University of Zagreb, Croatia

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11:50-12:10

Meta-Dome Structure for Simultaneously Absorbing Radar and Protecting Environment

Heijun Jeong, Toan Trung Nguyen, and Sungjoon Lim

Chung-Ang University, Korea

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12:10-12:30

A Broadband Metasurface for Cross Polarization Conversion Applications

Meraj E Mustafa and Farooq A. Tahir

National University of Sciences and Technology, Pakistan