



[FrD2] EM Propagation Fundamentals and Measurements

Date / Time	Oct. 26 (Fri.), 2018 / 10:30-12:30
Place	Room D (Napoli Room)
Session Chairs	Soon-Soo Oh (Chosun University, Korea) Hajime Fukuchi (Tokyo Metropolitan University, Japan)

FrD2-1

10:30-10:50

Integration Time Dependence of Rainfall Rate Spatial Correlation Derived from Radar Rain Map

Hajime Fukuchi

Tokyo Metropolitan University, Japan

FrD2-2

10:50-11:10

The Relation of Total Electron Content between Libreville and Ny-Alesund IGS Stations

S. Z. Hamzah, M. J. Homam, and M. Z. M. Alias

Universiti Tun Hussein Onn Malaysia, Malaysia

FrD2-3

11:10-11:30

Analysis of Wave Propagation Using Half-Canyon Model

Hwa-Choon Lee¹, Young-Chul Lee², Byung-Lok Cho³, Il-Yong Lee⁴, Jong-Hyuk Lim⁴, Dae-Hwan Yoon⁴, Sung Won Park⁴, and Soon-Soo Oh¹

¹*Chosun University, Korea*, ²*Mokpo National Maritime University, Korea*, ³*Sunchon National University, Korea*,

⁴*National Radio Research Agency, Korea*

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11:30-11:50

Statistical Analysis of 1090 MHz Signals Measured During a Flight Experiment

Junichi Honda and Takuya Otsuyama

Electronic Navigation Research Institute, Japan

FrD2-5

11:50-12:10

Prediction Method by Deep-Learning for Path Loss Characteristics in an Open-Square Environment

Nobuaki Kuno and Yasushi Takatori

NTT Corporations, Japan

FrD2-6

12:10-12:30

Multi-Path Channel Based Detection Metric for Passive Radar Systems

Hassan El-Sallabi, Abdulaziz Aldosari, and Yahia Basahl

Qatar Armed Forces, Qatar