



[WeF1] [Special Session] Recent Advances in Electromagnetic Sensors for Wireless Sensing Applications

Date / Time	Oct. 24 (Wed.), 2018 / 13:00-15:00
Place	Room F (Miami Room)
Session Chairs	Danai Torrungrueng (King Mongkut's University of Technology North Bangkok, Thailand) Takeshi Fukusako (Kumamoto University, Jaan)

WeF1-1

[Invited Speaker]

13:00-13:40

Recent Advances in RFID Sensors for Construction Material Monitoring Applications

Rattapong Suwalak¹, Kittima Lertsakwimarn², Chuwong Phongcharoenpanich¹, Prayoot Akkaraekthalin², and Danai Torrungrueng²

¹King Mongkut's Institute of Technology Ladkrabang, Thailand,

²King Mongkut's University of Technology North Bangkok, Thailand

WeF1-2

13:40-14:00

Paddy Moisture Measurement System in Hopper Silo by Using Near-Field Transmission Technique

Somporn Seewattananon¹, Nopphamat Promasa¹, Nonchanutt Chudpooti², and Prayoot Akkaraekthalin²

¹Rajamangala University of Technology Suvarnabhumi, Thailand,

²King Mongkut's University of Technology North Bangkok, Thailand

WeF1-3

14:00-14:20

Beam Steering Technology of Near-Field Focused Phased Array of Antennas for RFID Applications

Chen-Yi Chang¹, Hsi-Tseng Chou¹, Zong-Chen Tsai¹, Ming-Yu Lee², and Chien-Te Yu²

¹National Taiwan University, Taiwan, ²Yuan-Ze University, Taiwan

WeF1-4

14:20-14:40

Low-Profile and 4-Beam Antenna for Sensor Network Applications

Takeshi Fukusako, Nobuhiro Imaizumi, and Ryuji Kuse

Kumamoto University, Japan

WeF1-5

14:40-15:00

Mitigation of Interference from Strong Scatters in Remote Sensing Scenarios

Yuan-Chang Hou and Wen-Jiao Liao

National Taiwan University of Science and Technology, Taiwan