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Technical Sessions

Wednesday, 21 June

09:00 – 10:20

WE-AM-1: EMC Measurements (I)

Time 09:00 – 10:20, Wednesday, 21 June

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Jonghoon Kim (KAIST, Korea)

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Young-Jin Park (Korea Electrotechnology Research Institute, Korea)

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Time 09:00 – 10:20, Wednesday, 21 June

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Time 09:00 – 10:20, Wednesday, 21 June

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Time 15:10 – 16:30, Wednesday, 21 June

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Time 15:10 – 16:50, Wednesday, 21 June

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Time 15:10 – 16:50, Wednesday, 21 June

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Thursday, 22 June

09:00 – 10:20

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Time 09:00 – 10:00, Thursday, 22 June

Room Industrial Bank of Korea Hall (B145)

Chairs Jingook Kim (Ulsan National Institute of Science and Technology, Korea)
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Time 09:00 – 10:20, Thursday, 22 June

Room Helinox Hall (B147)

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Time 10:40 – 12:20, Thursday, 22 June

Room Industrial Bank of Korea Hall (B145)

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Time 10:40 – 12:20, Thursday, 22 June

Room Kwak Joung-Hwan Challenge Hall (B146)

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- 11:40 **Parameter Identification of Noise-source Linear Equivalent Circuit of DC-DC Converter and Its Evaluation....N/A**
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- 12:00 **System-level Modeling of Conducted Emission in Motor Driving Circuit for Brake System....N/A**
Junesang Lee, Jung-rae Ha, Minho Kim, Chanho Lee, Sangwon Yun and Yeongsik Kim (MANDO Company, Korea); Wansoo Nah (Sungkyunkwan University, Korea)

TH-AM-6: Biological Effects of EMC

Time 10:40 – 12:20, Thursday, 22 June

Room Helinox Hall (B147)

Chairs Nam Kim (Chungbuk National University, Korea)
Yoon Myoung Gimm (Dankook University, Korea)

- 10:40 **The Effects of RF-EMF in Alzheimer Disease Models**
Yun-Sil Lee (Ewha Womans University, Korea)
- 11:00 **Time Reversal based Microwave Focusing for Medical Applications**
Jang-Yeol Kim, Soon-Ik Jeon and Seong-Ho Son (Electronics and Telecommunications Research Institute, Korea)
- 11:20 **Transmission Array of a Focused Microwave Thermotherapy System for Leg Diseases....221**
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- 11:40 **Influence of RF-EMF Exposure on Neurotransmitters in Rat: Glutamate....N/A**
Hye Sun Kim (Ajou University, Korea); Hyung-Do Choi (Electronics and Telecommunications Research Institute, Korea); Jeong-Ki Pack (Chungnam National University, Korea); Nam Kim (Chungbuk National University, Korea); Young Hwan Ahn (Ajou University, Korea)
- 12:00 **Effects of Wrist Model During the Specific Absorption Rate Evaluations on Smart-watch....N/A**
Seon-Eui Hong, Jong-Hwa Kwon and Hyung-Do Choi (Electronics and Telecommunication Research Institute, Korea); Jeong-Ki Pack (Chungnam National University, Korea)

TH-AM-7: Radio-Frequency Interference

Time 10:40 – 12:00, Thursday, 22 June

Room Muak Rotary Club Hall (B132)

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Hyun Ho Park (The University of Suwon, Korea)

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TH-PM-1: Electronic Packaging EMC

Time 13:30 – 14:30, Thursday, 22 June

Room Industrial Bank of Korea Hall (B145)

Chairs Ki Jin Han (Ulsan National Institute of Science and Technology, Korea)
Myunghoi Kim (Hankyong National University, Korea)

13:30 **Mitigation of Unintentional Radiation from the Package Lid Using PMC Packaging....238**

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Time 13:30 – 14:30, Thursday, 22 June

Room Kwak Joung-Hwan Challenge Hall (B146)

Chairs Ikpyo Hong (Kongju National University, Korea)
Hui Min Lee (A*STAR Institute of High Performance Computing, Singapore)

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- 14:10 **Application of Space Object Conjunction Method in the System Level EMC Evaluation....253**
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Time 13:30 – 14:30, Thursday, 22 June

Room Helinox Hall (B147)

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Yoshiki Kayano (The University of Electro-Communications, Japan)

- 13:30 **Generation of Common Mode in Non-Uniform Differential Interconnections....256**

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- 14:10 **Common Mode Reduction in Bi-directional DC-DC Converter by Changing Position of Parasitic Capacitor....N/A**

Tohlu Matsushima, Takao Kuroyanagi, Takashi Hisakado and Osami Wada (Kyoto University, Japan)

TH-PM-4: Electromagnetic Environment and High Power EMC

Time 13:30 – 14:30, Thursday, 22 June

Room Muak Rotary Club Hall (B132)

Chairs Frank Leferink (University of Twente, The Netherlands)
William A. Radasky (Metatech Corporation, USA)

- 13:30 **Exposure to Electromagnetic Near-Fields Radiated by an RFID Reader Antenna....N/A**

Kassem Jomaa and Fabien Ndagijimana (Grenoble Institute of Technology, France); Houssam Ayad, Majida Fadlallah and Jalal Jomaah (Lebanese University, Lebanon)

- 13:50 **Spacecraft Design Considerations for Spacecraft Charging Environments....266**

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Room Industrial Bank of Korea Hall (B145)

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- 15:50 **Spectrum Analysis of Slit for Real Metal at Terahertz Frequencies....281**
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TH-PM-6: Computational Electromagnetics and Multiphysics methods for Simulating Complex Electromagnetic Environment Effects

Time 14:50 – 16:50, Thursday, 22 June

Room Kwak Joung-Hwan Challenge Hall (B146)

Chairs Wen-Yan Yin (Zhejiang University, China)
Jae Wook Lee (Korea Aerospace University, Korea)

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- 15:30 **Shielding Effectiveness Prediction of Metallic Structures with Thin Slots Using FDTD....N/A**
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- 15:50 **Multi-GPU based Fast Electromagnetic Simulation Method for Analyzing PCB....297**
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TH-PM-8: EMC & Antenna Design for Wireless Communication Systems

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Time 17:00 – 18:00, Thursday, 22 June

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PS2-07 Crosstalk Suppression by Applying Multilevel Signal Transmission....N/A

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PS2-17 Size Reduction of a Sinuous Antenna Using Planar Meandering....N/A

Hosang Lee (Sungkyunkwan University, Korea); Taehoon Yoo (Dongyang Mirae University, Korea); Wansoo Nah (Sungkyunkwan University, Korea)

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