

Best Paper Award – Topic A. Antennas

- Yi He (University of Technology Sydney, Australia), Shaodong Wang (Xidian University, China), Gengming Wei, Can Ding, and Y. Jay Guo (University of Technology Sydney, Australia),
" A Low-Profile Shared-Aperture Antenna Array with Self-Descattering and Self-Decoupling Capabilities"
- Ming Che, Yoshiki Kamiura, Ryo Doi, and Kazutoshi Kato (Kyushu University, Japan),
" Photonic-Integrated InGaAs/SiC UTC-PD-Fed Microstrip Stub Array Antenna for 300-GHz Fan-Beam Generation"
- Makoto Sano (Yokohama National University, Japan),
" Design of a Folded Reflectarray Antenna with High Aperture Efficiency and Low Sidelobes"

Best Paper Award — Topic B. Propagation

- Jihwan Lee, Sirous Bahrami, and Wonbin Hong (Pohang University of Science and Technology, Korea),
"Inverse-Designed Holographic Surfaces for Multi-Focus Spatial Beamforming with Flexible Focal Region and Polarization Control"
- Kosuke Ishii, Tetsuro Imai (Tokyo Denki University, Japan), Toshiki Hozen, Kazuma Tomimoto, Ryo Yamaguchi, and Tomonori Ikeda (Softbank Corp., Japan),
"Evaluation of Blockage Probability of Direct Wave by Human Bodies in Indoor Hotspot Environment"

Best Paper Award — Topic C. Electromagnetic-wave Theory

- Satoru Nishimura and Shouhei Kidera (The University of Electro-Communications, Japan),
" Accuracy Enhanced TDOA-Based Ablation Zone Imaging for Microwave Breast Cancer Treatment"

Best Paper Award — Topic D. AP-related Topics

- Mao Sekine, Shunto Arai, Kentaro Murata, and Naoki Honma (Iwate University, Japan),
"Interference-Free Human-Aware Beamforming for Microwave Wireless Power Transfer"
- Nhan Nguyen and Markku Juntti (University of Oulu, Finland)
"Hybrid RIS Aided Wireless Communications"
- Keidai Ishioka and Shouhei Kidera (The University of Electro-Communications, Japan),
"High-Resolution Imaging for Millimeter-Wave Automotive Radar with Doppler Velocity Decomposition and Synthetic Aperture Process"

Student Presentation Award

■ Jiongjian Fang (The Hong Kong Polytechnic University, China)

Title: A Full-Metal, Electrically Small, Linearly Polarized Huygens Dipole Antenna with High Polarization Purity and High Efficiency
Authors: Jiongjian Fang and Wei Lin (The Hong Kong Polytechnic University, Hong Kong)

■ Yuxin Zhang and Hang Wong (City University of Hong Kong, China)

Title: A Wideband Millimeter-Wave HDI-Based Antenna-in-Package Design and Its GSG-Probe-Free Measurement
Authors: Yuxin Zhang, Hang Wong (City University of Hong Kong, Hong Kong), and Qingsha Cheng (Southern University of Science and Technology, Shenzhen, China)

■ Keita Hamada (Doshisha University, Japan)

Title: Grating Lobe Suppression with Mixed Skewed and Rectangular Grids for Single-Layer 15/28-GHz Band Dual-Beam Reflectarray Antenna
Authors: Keita Hamada, Masataka Ohira, and Hiroyuki Deguchi (Doshisha University, Japan)

■ Keita Shigaki (Doshisha University, Japan)

Title: Improvement of anti-Eavesdropping Performance of Spatially Selective Modulation System Using Artificial Noise Transmission
Authors: Keita Shigaki, Sasuke Daikoku, Hisato Iwai, and Shinsuke Ibi (Doshisha University, Japan)

■ Núria Flores-Espinosa (KTH Royal Institute of Technology, Sweden)

Title: Ray-Tracing Physical-Optics Model for Dielectric Lens Antennas
Authors: Núria Flores-Espinosa, Pilar Castillo-Tapia (KTH Royal Institute of Technology, Sweden), Francisco Mesa (University of Seville, Spain), and Oscar Quevedo-Teruel (KTH Royal Institute of Technology, Sweden)

■ Linran Xie (National University of Singapore, Singapore)

Title: RCS and Angular Width of Two Trihedral Corner Reflectors Separated by a Distance
Authors: Linran Xie and Koen Mouthaan (National University of Singapore, Singapore)

Young Engineer Award

■ Yuan Yuan (The University of Adelaide, Australia)

Title: A Full-Metal, Electrically Small, Linearly Polarized Huygens Dipole Antenna with High Polarization Purity and High Efficiency

Authors: Yuan Yuan (The University of Adelaide, Australia), Shengjian Jammy Chen (Flinders University, Australia & The University of Adelaide, Australia), and Christophe Fumeaux (University of Queensland, Australia)

■ Kentaro Murata (Iwate University, Japan)

Title: RePH: RIS-Inspired Electronic Phantom

Authors: Kentaro Murata, Naoki Honma, and Shinya Miyajima (Iwate University, Japan)

■ Minghe Mao (Niigata University, Japan)

Title: Near-Field Reflector-Assisted Indoor Dual-Beam MIMO Capacity Analysis at Sub-THz Bands

Authors: Minghe Mao and Minseok Kim (Niigata University, Japan)

■ Zhengdong Lin (The University of Tokyo, Japan)

Title: Experimental Evaluation of Beamforming with Broad Nulls for Microwave Power Transfer

Authors: Zhengdong Lin, Yu Kagaya, Akira Ebihara, Daisuke Kobuchi, Hiroyuki Morikawa, and Yoshiaki Narusue (The University of Tokyo, Japan)

■ Okan Yurduseven (Queen's University Belfast, United Kingdom)

Title: Programmable Metasurfaces for Computational DoA Estimation: Experimental Validation

Authors: Okan Yurduseven, María García Fernández, Guillermo Alvarez Narciandi (Queen's University Belfast, United Kingdom), Mohsen Khalily (University of Surrey & 5G Innovation Centre, Institute for Communication Systems, United Kingdom), and Amir Masoud Molaei (Queen's University Belfast, United Kingdom)

■ Kazuma Tomimoto (Softbank Corp., Japan)

Title: Study on Improving Target Detection Accuracy of Sensing Using Mobile Communication Systems

Authors: Kazuma Tomimoto, Ryo Yamaguchi, Toshiki Hozen, and Shumpei Tabuchi (Softbank Corp., Japan)