

Student Presentation Award Finalist

**Title : A Low-Profile Shared-Aperture Antenna Array
with Self-Descattering and Self-Decoupling Capabilities**

Authors : Yi He (University of Technology Sydney (UTS), Australia & University of Technology Sydney, Australia)
Shaodong Wang (Xidian University, China)Gengming Wei and Can Ding (University of Technology Sydney (UTS), Australia)
Y. Jay Guo (University of Technology Sydney, Australia)

Title : RCS and Angular Width of Two Trihedral Corner Reflectors Separated by a Distance

Authors : Linran Xie (National University of Singapore, Singapore) / Koen Mouthaan (NUS, Singapore)

**Title : Numerical Analysis of Single-Patch Beam-Steering Antenna
with Orthogonal Monopulse Excitation**

Authors : Syoichi Soejima / Eisuke Nishiyama and Ichihiko Toyoda (Saga University, Japan)

**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)

**Title : Design of a Dual-Polarized Crossing Perpendicular-Corporate-Feed Waveguide
2x2-Slot Sub-Array Antenna**

Authors : Hinata Ishikawa and Jiro Hirokawa (Institute of Science Tokyo, Japan) / Takashi Tomura (Tokyo Institute of Technology, 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)

**Title : A Wideband Millimeter-Wave HDI-Based Antenna-in-Package Design
and Its GSG-Probe-Free Measurement**

Authors : Yuxin Zhang and Hang Wong (City University of Hong Kong, Hong Kong)
Qingsha Cheng (Southern University of Science and Technology, Shenzhen, China)

**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)

Title : Ray-Tracing Physical-Optics Model for Dielectric Lens Antennas

Authors : Núria Flores-Espinosa and Pilar Castillo-Tapia (KTH Royal Institute of Technology, Sweden)
Francisco Mesa (University of Seville, Spain) / Oscar Quevedo-Teruel (KTH Royal Institute of Technology, Sweden)

**Title : Survivor Detection Method in Low-Visibility Indoor Environment
with Millimeter Wave Radar Imaging and Analysis**

Authors : Toshiki Tateoka (The University of Electro-Communications, Japan) / Shouhei Kidera (University of Electro-Communications, Japan)

**Title : Accuracy Enhanced TDOA-Based Ablation Zone Imaging
for Microwave Breast Cancer Treatment**

Authors : Satoru Nishimura and Shouhei Kidera (University of Electro-Communications, Japan)

**Title : High-Resolution Imaging for Millimeter-Wave Automotive Radar
with Doppler Velocity Decomposition and Synthetic Aperture Process**

Authors : Keidai Ishioka (The University of Electro-Communications, Japan) / Shouhei Kidera (University of Electro-Communications, Japan)

Title : Unconditionally Stable Non-Uniform Grids LCDI-FDTD Method Including Lumped Elements

Authors : Guillin Hou (Anhui University, China) / Guoda Xie (Anhui University, unknown) / Chao Wang / Hang Yu / Yingsong Li and Zhixiang Huang (Anhui University, China)