

Midland Student Express 2018 Spring (Nagoya ekimae Office for Innovation Hub 2018/4/20)

Time schedule

TIME	NUM.	TITLE	PRESENTER	
10:00 - 10:05		Opening address	Toshikazu Sekine	Gifu Univ.
Session 1		Chair: Hidetaka Kato (Nagoya Institute of Tech.) Co-chair: Haruna Yokoi (Nagoya Institute of Tech.)		
10:05 - 10:20	S1-1	Demonstration of Far-End-Reaction Movement-Adust Tuning for WPT System Using Small Size EV	Junya Shintani	Toyohashi Univ. of Tech.
10:20 - 10:35	S1-2	Proposal and Evaluation of 10 Watt Solid State High Frequency Rectifier Switch	Ryota Gibo	Toyohashi Univ. of Tech.
10:35 - 10:50	S1-3	Proposal of Buck-Boost Gate Driver Achieving Switching Loss Savings and Gate Energy Recovery	Hikaru Kitaoka	Toyohashi Univ. of Tech.
10:50 - 11:05	S1-4	Improvement of Estimation Accuracy by Using Multiple Guiding Sensors in DOA Estimation of Radio Waves with VESPA Algorithm	Yuya Sato	Nagoya Institute of Tech.
11:05 - 11:20	S1-5	Localization of Near-Field Sources Using Compressed Sensing	Masahiro Inami	Nagoya Institute of Tech.
11:20 - 11:35	S1-6	DOA Estimation of Desired Wave with Interference Rejection Using Beamspace Root-MUSIC	Kento Kataoka	Nagoya Institute of Tech.
11:35 - 12:35		Lunch (60 minutes)		
Session 2		Chair: Tomoya Osaki (Shizuoka Univ.) Co-chair: Arie Setiawan(Shizuoka Univ.)		
12:35 - 13:15	S2-1	Ku-Band GaN SSPA Prototype for Satellites Communication	Takuma Torii	Mitsubishi Electric Corp.
13:15 - 13:30	S2-2	Transmission Error Correction Using Overlapping Elements in Virtual Array of MIMO Radar	Hidetaka Kato	Nagoya Institute of Tech.
13:30 - 13:45	S2-3	Double-layer Waveguide Planar Array Antenna Composed of Cavity-backed 2x2-element Sub-arrays fed by E-plane Feeding Circuit	Haruna Yokoi	Nagoya Institute of Tech.
13:45 - 14:00	S2-4	Input Angle Independent Frequency Selective Surface for Low Reflection Characteristic of Multi-layer Dielectric Plate	Shota Ino	Nagoya Institute of Tech.
14:00 - 14:15	S2-5	Perpendicular Beam-scanning Performance of Rotman Lens in Multi-layer Dielectric Plate	Yosuke Otsuka	Nagoya Institute of Tech.
14:15 - 14:25		Break (10 minutes)		
Session 3		Chair: Takuya Kakumoto(Kanazawa Univ.) Co-chair: Tatsuya Morita (Toyohashi Univ. of Tech.)		
14:25 - 14:40	S3-1	Coupling Control of Rounded Radiating Element for Arbitrary Linear Polarization in Traveling Array Design of Microstrip Comb-line Antenna	Ryosuke Kojima	Nagoya Institute of Tech.
14:40 - 14:55	S3-2	Spatial Power Combining Circuit Using Taper Waveguide in Terahertz Band	Kazuaki Niwa	Nagoya Institute of Tech.
14:55 - 15:10	S3-3	Improvement of Communication Quality in Down Link for Multi-user MIMO	Shogo Yamauchi	Nagoya Institute of Tech.
15:10 - 15:25	S3-4	Microwave Mammography Using Bilateral Symmetry of Breast Tissue	Tomoya Osaki	Shizuoka Univ.
15:25 - 15:40	S3-5	Flat Lens Antenna Design by Genetic Algorithm	Arie Setiawan	Shizuoka Univ.
15:40 - 15:55	S3-6	Development of Communication System for Cubesat	Kazuma Nogi	Shizuoka Univ.
15:55 - 16:05		Break (10 minutes)		
Session 4		Chair:Junya Shintani(Toyohashi Univ. of Tech.) Co-chair: Yuya Sato(Nagoya Institute of Tech.)		
16:05 - 16:20	S4-1	Estimation of Electric Properties of Layered Structure Using Transmission Line Model	Masaya Makiguchi	Shizuoka Univ.
16:20 - 16:35	S4-2	Matching Method for Cavity Resonance enabled WPT utilizing the Monopole probe with the Variable Reactance Circuit	Shinji Nimura	Toyohashi Univ. of Tech.
16:35 - 16:50	S4-3	Estimation of Ionospheric Effects on HF Radar Signals from Full-wave Simulation	Takuya Kakumoto	Kanazawa Univ.
16:50 - 17:05	S4-4	Integrated Structure of Filter and Element in Array Antenna for 5th Generation	Tatsuya Morita	Toyohashi Univ. of Tech.
17:05 - 17:20	S4-5	Fabrication and Evaluation of YBCO-based Microwave Kinetic Inductance Detectors with S-type Spiral Resonator	Hikaru Mikami	Toyohashi Univ. of Tech.
17:20 - 17:25		Closing address	Yoshihiko Kuwahara	Shizuoka Univ.
17:35 -		Banquet		