Update: 2019/4/18

Midland Student Express 2019 Spring (Nagoya ekimae Office for Innovation Hub 2019/4/26)

Time schedule

TIME	NUM.	TITLE	PRESENTER	
11:00 - 11:05		Opening address	Toshikazu Sekine	Gifu University
Session 1		**Chair: Korya Chiathong (Toyohashi University of Technology)** **Co-chair: Keisuke Watanabe (Nagoya Institute of Technology)**		
11:05 - 11:20	S1-1	Basic Study of High-power Impedance Measurement for Wireless Power Transfer	Takase Ohshima	Nagoya Institute of Technology
11:20 - 11:35	S1-2	Performance Analysis of Block Maximum SNR Algorithm in MU-MIMO System under Rice Fading Environment	Junpei Ogawa	Nagoya Institute of Technology
11:35 - 11:50	S1-3	Development of Low-profile Base Station Filter for Beyond 5G	Daichi Shishido	Toyohashi University of Technology
11:50 - 12:05	S1-4	Design of H-Plane Partially Parallel-Feeding Two-Line Waveguide Z-shaped Slot Array	Taishin Niwa	Nagoya Institute of Technology
12:05 - 13:05		Lunch (60 minutes)		
Session 2		**Chair: Daichi Shishido (Toyohashi University of Technology)** **Co-chair: Taishin Niwa (Nagoya Institute of Technology)**		
13:05 - 13:20	S2-1	Optimization of Switching Frequency for Weight Reduction of Solid-State Transformer	Yuichiro Karakawa	Toyohashi University of Technology
13:20 - 13:35	S2-2	A Study on Line-of-Sight MIMO Communication Using Orbital Angular Momentum	Taiga Katsu	Nagoya Institute of Technology
13:35 - 13:50	S2-3	Delta-Doping Effect in Normally-off GaN-cap/AlGaN/GaN HEMT on Electrical Properties	Ryohei Yamaguchi	Nagoya Institute of Technology
13:50 - 14:05	S2-4	Transition from Hollow Waveguide to Substrate Integrated Waveguide in Multi-layer Substrate	Shouta Mariyama	Nagoya Institute of Technology
14:05 - 14:20	S2-5	Design of differential rectifier circuit focusing on load fluctuation of storage capacitor during charging	Daiki Fujii	Toyohashi University of Technology
14:20 - 14:35		Break (15 minutes)		
Session 3		**Chair: Ryohei Yamaguchi (Nagoya Institute of Technology)** **Co-chair: Taiga Katsu (Nagoya Institute of Technology)**		
14:35 - 14:50	S3-1	A Study on Target Direction Estimation Characteristics of Capon Method in MIMO Radar	Hajime Kimoto	Nagoya Institute of Technology
14:50 - 15:05	S3-2	High frequency characteristic of Gated-Anode AlGaN/GaN HEMT Diode	Momoe Shojima	Nagoya Institute of Technology
15:05 - 15:20	S3-3	Radiation Characteristics of Slot-pair array Located on All Layers of Multi-layer Substrate Integrated Waveguides	Kento Yamada	Nagoya Institute of Technology
15:20 - 15:35	S3-4	The 920MHz band low power rectennas with a parallel connected small loop antenna	Shogo Sakashita	Kanazawa Institute of Technology
15:35 - 15:50	S3-5	A Study on Robustness Enhancement of DOA Estimation against Array Errors	Kazuki Miyamoto	Nagoya Institute of Technology
15:50 - 16:05		Break (15 minutes)		
Session 4		**Chair: Shogo Sakashita (Kanazawa Institute of Technology)** **Co-chair: Kento Yamada (Nagoya Institute of Technology)**		
16:05 - 16:20	S4-1	Theoretical formulas of the maximum instantaneous current and voltage of the diodes in the Bridge-T Resonant rectifier circuit	Korya Chiathong	Toyohashi University of Technology
16:20 - 16:35	S4-2	Measured Evaluation of Wideband Frequency Selective Surface with Metal Periodic Structure at the Middle of Double-layer Dielectric Plates	Takahiro Murai	Nagoya Institute of Technology
16:35 - 16:50	S4-3	Efficient Modeling and Analysis of Curved Structure Based on Stabilized Explicit Isogeometric Analysis	Hayato Naojima	Shizuoka University
16:50 - 17:05	S4-4	Localization of Radio Sources Using Near-field DOA-Matrix Method in Distributed Array	Keisuke Watanabe	Nagoya Institute of Technology
Spetial lecture				
17:05 - 17:35		Let's Use the Modified Node Analysis Method Used in the Circuit Simulator Also in Hand Calculation	Toshikazu Sekine	Gifu University
17:35 - 17:40		Closing address	Mitoshi Fujimoto	Fukui University
17:50 -		Banquet		