



IEEE Nagoya Chapter

Midland Student Express 2014 Autumn

Event of the students, by the students, for the students

1. General Information

Date: 28 November, 2014
Venue: Toyama University, Faculty of Engineering,
Faculty of Engineering Office,
2nd Floor, Meeting Hall,
Gofuku 3190, Toyama-shi, Toyama.

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2. Committee

General Chairs: Koichi Ogawa Toyama University
Jongsuck Bae Nagoya Institute of Technology
Secretaries: Mitoshi Fujimoto University of Fukui
Toshikazu Sekine Gifu University

3. Technical Program

13:00-13:05	Opening address by Koichi Ogawa, Toyama University	
Session 1 (Chair: Masashi Sakai, Gifu University)		
13:05-13:20	S1-1	Analysis of a Top-Loading Monopole Antenna with the Folded Model <i>Kohei Omote, Toyama University</i>
13:20-13:35	S1-2	Study on miniaturizing factors of folded inverted-L antennas <i>Akihiro Tanaka, Kanazawa Institute of Technology</i>
13:35-13:50	S1-3	A Patch Turn-style Antenna with an Increased Radiation in the Low Elevation Angles, <i>Yuta Ishisaka, Toyama University</i>
13:50-14:05	S1-4	A high impedance wideband folded-card type antenna <i>Nao Nambo, Kanazawa Institute of Technology</i>
14:05-14:15	Short Break (1)	

Session 2 (Chair: Kento Karitani, Toyama University)		
14:15-14:30	S2-1	Rectenna for the Energy Harvesting <i>Takahide Shinagawa, Kanazawa Institute of Technology</i>
14:30-14:45	S2-2	Prototype Development of 1 kW Via-Wheel Power Transfer with Bus Tire Pair, <i>Aoyama Mondo, Toyohashi University of Technology</i>
14:45-15:00	S2-3	Low-power adiabatic logic circuit without AC-DC converter <i>Masashi Sakai, Gifu University</i>
15:00-15:20	Short Break (2)	
Session 3 (Chair: Kohei Omote, Toyama University)		
15:20-15:35	S3-1	A formulation of the state equations of the circuit based on the modified nodal analysis, <i>Daisuke Saito, Gifu University</i>
15:35-15:50	S3-2	Measurement method of S-parameters using a jig with unnecessary couplings, <i>Keisuke Takada, Gifu University</i>
15:50-16:05	S3-3	A 300GHz-band Detector Array for Food Inspection <i>Xiongbin Yu, Nagoya Institute of Technology</i>
16:05-16:20	S3-4	Synchronization of LED visible light communication system with low-bit-rate CMOS camera, <i>Naoaki Kawagita, Meijo University</i>
16:20-16:30	Short break (3)	
Session 4 (Chair: Akihiro Tanaka, Kanazawa Institute of Technology)		
16:30-16:45	S4-1	Throughput Measurement of a Smart Antenna Using the Base Station Simulator, <i>Kento Karitani, Toyama University</i>
16:45-17:00	S4-2	Combined Antenna Evaluation Considering Uplink and Downlink Channels Using a Bilateral OTA Apparatus, <i>Toshihiko Kabeya, Toyama University</i>
17:00-17:15	S4-3	Automatic tracking robot with switched beam antenna and AM receiver <i>Masashi Izumi, Toyohashi University of Technology</i>
17:15-17:20	Closing address by Jongsuck Bae, Nagoya Institute of Technology	
17:30-	Banquet	