IEEE Nagoya Chapters

Midland Student Express 2011 Autumn

1. General Information

Date: 5 November, 2011

Venue: Kanazawa Institute of Technology
7-1 Ohgigaoka Nonoichi Ishikawa

Sponsors: IEEE AP-S Nagoya Chapter
IEEE MTT-S Nagoya Chapter

Co-Sponsor: IEICE Hokuriku Section

Technical Co-Sponsors: IEEE Nagoya Section

2. Committee

General Chairs

Nobuyoshi Kikuma	Nagoya Institute of Technology
Takashi Ohira	Toyohashi University of Technology

Secretaries

Keisuke Noguchi	Kanazawa Institute of Technology
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Masahiro Hanazawa	Toyota Central R&D Labs., Inc.

Treasurers

Hideo Iizuka	Toyota Central R&D Labs., Inc.
Tatsuo Nozokido	University of Toyama

3. Technical Program

Session Chairs: Yuichi Miyaji and Naoki Sakai, Toyohashi University of Technology

Time		
10:25-10:30		Opening address by Prof. Ohira, Toyohashi University of Technology
10:30-10:45	S1-1	Study on PMC Characteristic Using Capacitance Grid with Metal Plate *Masumi Murae, Kanazawa Institute of Technology*
10:45-11:00	S1-2	Oblique Incidence Performance of a Tunable Absorber Having an EBG Structure *Masayuki Nojima, Kanazawa University*
11:00-11:15	S1-3	Study on Characteristics of an MSA Array Due to Substrate Thickness *Makoto Nagai, Kanazawa Institute of Technology*
11:15-11:30	S1-4	Analysis of Capacitance-grid with Metal Plate using Method of Moments *Kazuki Niwa, Kanazawa Institute of Technology*
11:30-11:45	S1-5	An Analysis of the Frequency Characteristics of Channel Capacity for a MIMO Antenna Mounted on a Metal Body Considering the Effects of Matching Circuit *Takeshi Kitamura, University of Toyama*
11:45-13:15		Lunch
13:15-13:30	S2-1	A Basic Study on Long Distance Wireless Power Transmission at 950MHz *Kazuhei Ozaki, University of Toyama*
13:30-13:45	S2-2	Power Feed to Running Electric Vehicles via Road-to-Tire Capacitive Coupling *Naoki Sakai, Toyohashi University of Technology*
13:45-14:00	S2-3	Application of Discrete Hilbert Transform for Time Domain Analysis of Nonuniform Transmission Line *Isao Kumazaki, Gifu University*
14:00-14:15	S2-4	A 丌 type transformer for dual-band applications *Xiaolong Wang, University of Toyama*
14:15-14:30	S2-5	Improvement of Group Delay for Coupled Resonators Filter Using All-Pass Function *Koichi Murasawa, Gifu University*
14:30-14:45		Break
14:45-15:00	S3-1	Development of the Measurement System in the Personal Identification Using a Walk Waveform *Yuuki Nonaka, Kanazawa Institute of Technology*
15:00-15:15	S3-2	Microwave Mammography *Saori Miura, Shizuoka University*
15:15-15:30	S3-3	The Algorithm in the Personal Identification Using a Walk Waveform *Daiki Fujino, Kanazawa Institute of Technology*
15:30-15:45	S3-4	Signal Processing for High-Resolution Millimeter-Wave Microscopy Using Scannig Probes with Line-Like Tips *Hiroyuki Kamikawa, University of Toyama*
15:45-16:00		Break
16:00-16:15	S4-1	Development of Passive Millimeter-Wave Microscopy *Manabu Ishino, University of Toyama*
16:15-16:30	S4-2	A Method of Mitigation of Impedance Mismatch Using a Varactor Diode for a 4-Branch MRC Array Close to the Human Hands

		Makoto Yamazaki, University of Toyama
16:30-16:45	S4-3	**Harmonics termination Effect of the Bridge RF Rectifier with an Impedance Transfer** *Tsunehiro Saen, Kanazawa Institute of Technology*
16:45-17:00	S4-4	**Analysis and Evaluation of Oscillator Q for the FET Oscillators with a Coaxial Resonator** *Tomoya Morimasa, Kanazawa Institute of Technology*
17:00-17:05		**Closing address** by Prof. Kikuma, Nagoya Institute of Technology
18:00		Banquet