



IEEE Nagoya Chapter

Midland Student Express 2012 Autumn

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

1. General Information

Date: 9 November, 2012
 Venue: Kanazawa Institute of Technology
 Bldg. 6, 3rd Floor, Room 6.334
 7-1 Ohgigaoka, Nonoichi, Ishikawa
 Sponsors: IEEE AP-S Nagoya Chapter
 IEEE MTT-S Nagoya Chapter
 Technical Co-Sponsors: IEEE Nagoya Section
 IEICE Hokuriku



2. Committee

General Chairs:	Nobuyoshi Kikuma	Nagoya Institute of Technology
	Takashi Ohira	Toyohashi University of Technology
Secretaries:	Keisuke Noguchi	Kanazawa Institute of Technology
	Akimasa Hirata	Nagoya Institute of Technology
	Akio Wakejima	Nagoya Institute of Technology

3. Technical Program

Session Chair: **TBA**

10:25-10:30		Opening address by T.Ohira, Toyohashi University of Technology
10:30-10:45	S1-1	Maximum input power of the Bridge RF Rectifier with an Impedance Transfer <i>Kohei Hosodani, Kanazawa Institute of Technology</i>
10:45-11:00	S1-2	2.4 GHz band Bridge RF Rectifier <i>Yoshiyuki Shimada, Kanazawa Institute of Technology</i>
11:00-11:15	S1-3	Comparison of Loaded-Line Phase Shifters with Compensation of Imperfect Switches <i>Hiroyuki Kamitani, Kanazawa Institute of Technology</i>
11:15-11:30	S1-4	Prototype 1/10 Scaled Model EVER <i>Toshihiro Torii, Toyohashi University of Technology</i>
11:30-11:45	S1-5	Equivalent circuit analysis at low frequency for AlGaN/GaN HEMT <i>Takashi Yamada, Nagoya Institute of Technology</i>
11:45-13:15	Lunch	

<i>Plenary Session: Messages from Industry</i>		
13:15-13:45	PS-1	(Invited) Industrial applications of femto-second fiber laser <i>Yuzuru Uehara, Aishin Seiki Co., Ltd.</i>
13:45-14:15	PS-2	(Invited) Wireless Technologies for 'Safe Driving' <i>Kazuoki Matsugatani, DENSO CORPORATION</i>
14:15-14:30	Short break (I)	
14:30-14:45	S2-1	Reflect array antenna using slot type resonant element <i>Souta Shibata, Kanazawa Institute of Technology</i>
14:45-15:00	S2-2	Efficiency of an RFID Antenna by Using Q-factor <i>Harutaka Kyomura, Kanazawa Institute of Technology</i>
15:00-15:15	S2-3	Study on the feed of the dielectric lens antenna for the millimeter wave collision avoidance radar <i>Shunsuke Sudo, Shizuoka University</i>
15:15-15:30	S2-4	Measurement of 60 GHz Rain Attenuation Characteristics for Millimeter-Wave Satellite Communications <i>Tripathi Naresh, Meijo University</i>
15:30-15:45	S2-5	Visualization of the emission by use of the confocal array <i>Yuta Kitagawa, Shizuoka University</i>
15:45-16:00	Short break (II)	
16:00-16:15	S3-1	Basic study on spherical wave absorption by radio absorber <i>Naoya Fukuoka, Kanazawa University</i>
16:15-16:30	S3-2	Near-Field Thermal Imaging by Passive Millimeter-Wave Microscopy <i>Manabu Ishino, University of Toyama</i>
16:30-16:45	S3-3	Visualization of the current source by use of the inverse problem <i>Kei Hirota, Shizuoka University</i>
16:45-17:00	S3-4	Development of diversity technology using the camera image recognition for LED visible light communications <i>Kento Nakanishi, Meijo University</i>
17:00-17:15	S3-5	Transient analysis of the transmission line by the CIP method <i>Kazutaka Ishida, Gifu University</i>
17:15-17:20	Closing address by N.Kikuma, Nagoya Institute of Technology	
18:00	Banquet	