





IEEE Nagoya Chapter

Midland Student Express 2014 Spring Event of the students, by the students, for the students

1.	General Informa	IEEE 名古屋支部					
	Date: 25 April, 2	(IEEE Nagoya Section)					
	Venue: Nagoya H	⑦ 雷影会					
	Meieki 4-4-38, Nakamura-ku, Nagoya 450-0002, Japan						
	Sponsors: IEEE AP-S Nagoya Chapter						
	IEEE MTT-S Nagoya Chapter						
	Technical Co-Sponsors: IEEE Nago			a Section			
	Deneikai of Nagoya Institute of Technology						
2.	Committee						
	General Chairs	Jongsuck	Bae	Nagoya Institute of	Technology		
		Koichi O	gawa	University of Toyan	na		
	Secretaries	Toshikaz	u Sekine	Gifu University			

Mitoshi Fujimoto

University of Fukui

3. Technical Program

9:40-9:45		Opening address by J. Bae, Nagoya Institute of Technology			
Session 1		Chair:			
		Co-Chair:			
		Design of Reverse Waveguide-Output Patch-Coupled Microstrip-to-Waveguide			
9:45	S1-1	Transition			
		Yuki Ishikawa, Nagoya Institute of Technology			
		Disign of Spiral-Slot Frequency Selective Surfaces for Shielding from Noises of			
10:00	S1-2	Wireless Power Transmission			
		Firdaus Kei, Nagoya Institute of Technology			
		Design of Hollow-Waveguide Narrow-Wall Slot Array Antenna using Partially			
10:15	S1-3	Parallel-Feeding System in Millimeter-Wave Band			
		Yuichi Hirayama, Nagoya Institute of Technology			
		Miniaturization of Four-Port Planar Microstrip-to-Waveguide Transitions with			
10:30	S1-4	Slot Radiator for Center-Feeding Microstrip Array Antennas			
		Hiroaki Yamada, Nagoya Instistute of Technology			
10:45-11:00		Break			
Session 2		Chair:			
		Co-Chair:			
11.00	\$2-1	Design of Microstrip-Line Connection-Circuit for Rotman-Lens Phase-Shifter			
11.00	52 1	Yasuhiro Imade, Nagoya Institute of Technology			
		Load-Invariant Constant-Voltage-Ratio Transformer without Employing Mutual			
11:15	S2-2	Inductance			
		Kyohei Yamada, Toyohashi University of Technology			
		DC Load Pulling Characteristic of a 50 W 7 MHz Double-Current Rectifier for			
11:30	S2-3	Wireless Power Transfer			
		Yoichiro Miyazaki, Toyohashi University of Technology			

		A Prototype 1 kW 7 MHz Real-Time Load Tracking Circuit for Automatic				
11:45	S2-4	Impedance Matching				
		Akira Saito, Toyohashi University of Technology				
12:00-1	3:00					
Sess	ion 3					
	1					
10.00		A Consideration of Radiation Efficiency for Harmonics in Coupled-resonant				
13:00	S3-1	Wireless Power Transfer				
		Shohei Fukasawa, Nagoya Institute of Technology				
12.15	\$2-2					
13.15	33 2	System				
		Nguyen Thi Nguyen, Meljo University				
13:30	S3-3	Toshiki Matsuhara, Gifu University				
		An Estimation Method for S-Parameters of 4-Port Circuit by 2-Port				
13:45	S3-4	Measurements				
		Shinii Ohno, Gifu University				
		Reflection characteristics of microwaves for optically excited free-carriers in				
14:00	S3-5	silicon				
		Yuichi Sugimura, Nagoya Institute of Technology				
14.15	\$3-6	Design of a 190-GHz Frequency Doubler Using Schottky Barrier Diodes				
11.10		Takumi Shimada, Nagoya Institute of Technology				
14:30-1	4:45	Break Chair				
Sess	ion 4					
		Detection Characteristics of Missource Kinetic Inductories Detectors of				
14.45	S/_1	Terrelighter for mean size				
14.45	34 1	leranertz Frequencies				
		Xiongbin Yu, Wagoya Institute of Technology				
15:00	S4-2	Output Characteristics of a Frozen Wave Generator at Terahertz Frequencies				
		Mitsuhiko Sato, Nagoya Institute of Technology				
15:15	S4-3	Array Anerture				
		Toshiki Iwai Nagova Institute of Technology				
		A Consideration of High-resolution Location Estimation of Radio Sources by				
15:30	S4-4	Holography Method				
		Kanato Kimura, Nagoya Institute of Technology				
		A Consideration of Propagation Delay Time Estimation of Direct Wave in				
15:45	S4-5	Multipath Environments Using Frequency Sample Data				
		Yoshiki Oishi, Nagoya Institute of Technology				
16:00-16:15		Break				
Session 5						
ļ						
10.15		Performance Improvement of MIMO Radar Using Spatial Smoothing				
10:15	50-1	Preprocessing				
		Naoya Matsukawa, Nagoya Institute of Technology Performance Improvement of MIL-MIMO by Receiving Antenna Selection of				
16:30	\$5-2	Heave with PD Method				
10.00		Tachira Oaka Nagaya Institute of Technolomy				
		A Consideration of Obstacle Detection Method Using Short Range MIMO				
16:45	S5-3	Sensor in Limited Space				
		Yuva Aoki, Nagova Institute of Technology				
		Mation Conture Medaling of a Human Walking for Warnahla Millio Arth				
17:00	S5-4					
		Probe Amongomont Design of an OTA Apparetus for 2D MIMO Among Antonno				
17:15	S5-5	FIGUE ATTANGEMENT DESIGN OF AN UTA APPARATUS FOR ZU-MIMU ARRAY ANTENNAS				
17:30-17:35		Closing address by K.Ogawa, Tovama University				
17:45		Banquet				
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