





IEEE Nagoya Chapter

Midland Student Express 2018 Autumn

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

1. General Information

Date: 16 November, 2018 Venue: Fukui University

Bunkyo Campus, Academy Hall 3-9-1 Bunkyo, Fukui-shi, Fukui

Sponsors: IEEE AP-S Nagoya Chapter

IEEE MTT-S Nagoya Chapter

Technical Co-Sponsors: IEEE Nagoya Section

IEICE Hokuriku







2. Committee

General Chairs: Yoshihiko Kuwahara Shizuoka University

Toshikazu Sekine Gifu University

Secretaries: Yoshitaka Goto Kanazawa University

Shintaro Hisataka Gifu University

3. Technical Program

10:00-10:05	Opening address by Prof. Sekine, IEEE MTT-S Nagoya Chapter Chair		
Session 1	Chair: Tsuboi Sota (Kanazawa Institute of Technology)		
	Co-chair: Atsuya Hirono (Kanazawa Institute of Technology)		
10:05-10:20	S1-1	Multiple Objects Position Estimation Method using Hyperbola, Ellipse	
		and Circle	
		Takuya Iwata, Fukui University	
10:20-10:35	S1-2	Specific Area Communication System using Virtual Linear Array Ayano Mikunide, Fukui University	
10:35-10:50	S1-3	Wide Angle Interference Suppression using TDL Array Antenna Kazuki Nishide, Fukui University	
10:50-11:00	Short Break		
Session 2	Chair: Ayano Mikunide (Fukui University) Co-chair: Yuhei Oguri (Toyama Prefectural University)		
11:00-11:15	S2-1	Study on antennas in the proximity of human body	
		Sota Tsuboi, Kanazawa Institute of Technology	
11:15-11:30	S2-2	The 2.4 GHz High Power planar bridge rectifier with diode array	
		Justin Han, Kanazawa Institute of Technology	

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11:30-11:45	S2-3	2.4GHz band High Power Rectenna with the Inductive Folded Dipole Antenna		
	32-3	Atsuya Hirono, Kanazawa Institute of Technology		
11:45-12:45	Lunch			
	Chair: Ryoya Furukura (Toyama University)			
Session 3	Co-chair: Reiji Nishigaki (Nagoya Institute of Technology)			
	CO CII	A simple evaluation method of residual aberration frequency		
12:45-13:00	S3-1	characteristics in reflect array antenna		
		Aoi Kotoura, Kanazawa Institute of Technology		
13:00-13:15		Comparison Topologies of Resonant Tank from Class-C Wireless		
	S3-2	Power Transfer		
	20 2	Irawan Sukma, Kanazawa University		
13:15-13:30	S3-3	Basic study of UHF antennas for Kanazawa-Sat ³ microsatellite		
		Kohei Kawagoshi, Kanazawa University		
		Development of a Climber Location Information Sharing System		
13:30-13:45	S3-4	Yuhei Oguri, Toyama Prefectural University		
13:45-13:55	Short			
		: Takuya Iwata (Fukui University)		
Session 4	1	air: Ikki Tanaka (Shizuoka University)		
		An Implementation of 4×4 Correlation Matrix of Base Station MIMO		
13:55-14:10	S4-1	Antenna Using Bessel Function		
		Ryoya Furukura, Toyama University		
		A Simple Model for Analyzing the Channel Capacity of MIMO Antenna		
14:10-14:25	S4-2	Mounted on a Vehicle Roof		
		Takahiro Fuchino, Toyama University		
	S4-3	Elevational Directivity Control of a Monopole Antenna By Means of the		
14:25-14:40		Radius of a Ground Plane		
		Nana Narukawa, Toyama University		
14401455	S4-4	Improvement of receiving power by folded dipole antenna for 5.8 GHz		
14:40-14:55		wireless power transfer		
14:55-15:05	Short	Reiji Nishigaki, Nagoya Institute of Technology		
		: Kohei Kawagoshi (Kanazawa University)		
Session 5	Co-chair: Kazuki Nishide (Fukui University)			
	20011	Theoretical Lower Bound of Power Loss in the Switching Device		
15:05-15:20	S5-1	Working for Class-E Inverters		
		Satoshi Koyama, Toyohashi University of Technology		
15.20.15.25	S5-2	Evaluation of Transparent Monopole		
15:20-15:35		Ikki Tanaka, Shizuoka University		
	S5-3	Measurement of Complex Permittivity of Breast Tissue		
15:35-15:50		Akira Nozaki, Shizuoka University		
		Debye Parameter Extraction of Breast Tissue and Proposal of Novel		
15:50-16:05	S5-4	Tumor Marker		
		Yuhji Nakada, Shizuoka University		
		Chair: Prof. Noguchi, Kanazawa Institute of Technology)		
電子情報通信学会北陸支部共催 特別講演会				
16:15-16:55		大学衛星の開発 八木谷 聡 教授 (金沢大学)		
	Development of Kanazawa University Microsatellite			
	by Prof. Satoshi Yagitani, Kanazawa University			
16:55-17:00	Closing address by Prof. Kuwahara, , IEEE AP-S Nagoya Chapter Chair			
17:20-	Banqu	net		