



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



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IEEE 名古屋支部
(IEEE Nagoya Section)



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

11:30-11:45	S2-3	2.4GHz band High Power Rectenna with the Inductive Folded Dipole Antenna <i>Atsuya Hirono, Kanazawa Institute of Technology</i>
11:45-12:45	Lunch	
Session 3	Chair: <i>Ryoya Furukura (Toyama University)</i> Co-chair: <i>Reiji Nishigaki (Nagoya Institute of Technology)</i>	
12:45-13:00	S3-1	A simple evaluation method of residual aberration frequency characteristics in reflect array antenna <i>Aoi Kotoura, Kanazawa Institute of Technology</i>
13:00-13:15	S3-2	Comparison Topologies of Resonant Tank from Class-C Wireless Power Transfer <i>Irawan Sukma, Kanazawa University</i>
13:15-13:30	S3-3	Basic study of UHF antennas for Kanazawa-Sat³ microsatellite <i>Kohei Kawagoshi, Kanazawa University</i>
13:30-13:45	S3-4	Development of a Climber Location Information Sharing System <i>Yuhei Oguri, Toyama Prefectural University</i>
13:45-13:55	Short Break	
Session 4	Chair: <i>Takuya Iwata (Fukui University)</i> Co-chair: <i>Ikki Tanaka (Shizuoka University)</i>	
13:55-14:10	S4-1	An Implementation of 4×4 Correlation Matrix of Base Station MIMO Antenna Using Bessel Function <i>Ryoya Furukura, Toyama University</i>
14:10-14:25	S4-2	A Simple Model for Analyzing the Channel Capacity of MIMO Antenna Mounted on a Vehicle Roof <i>Takahiro Fuchino, Toyama University</i>
14:25-14:40	S4-3	Elevational Directivity Control of a Monopole Antenna By Means of the Radius of a Ground Plane <i>Nana Narukawa, Toyama University</i>
14:40-14:55	S4-4	Improvement of receiving power by folded dipole antenna for 5.8 GHz wireless power transfer <i>Reiji Nishigaki, Nagoya Institute of Technology</i>
14:55-15:05	Short break	
Session 5	Chair: <i>Kohei Kawagoshi (Kanazawa University)</i> Co-chair: <i>Kazuki Nishide (Fukui University)</i>	
15:05-15:20	S5-1	Theoretical Lower Bound of Power Loss in the Switching Device Working for Class-E Inverters <i>Satoshi Koyama, Toyohashi University of Technology</i>
15:20-15:35	S5-2	Evaluation of Transparent Monopole <i>Ikki Tanaka, Shizuoka University</i>
15:35-15:50	S5-3	Measurement of Complex Permittivity of Breast Tissue <i>Akira Nozaki, Shizuoka University</i>
15:50-16:05	S5-4	Debye Parameter Extraction of Breast Tissue and Proposal of Novel Tumor Marker <i>Yuhji Nakada, Shizuoka University</i>
Special Session (Chair: <i>Prof. Noguchi, Kanazawa Institute of Technology</i>) 電子情報通信学会北陸支部共催 特別講演会		
16:15-16:55	金沢大学衛星の開発 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-	Banquet	