Ritsumeikan University IEEE Student Branch
English Presentation Competition 2016

Date: Friday, 7th Oct 2016
Place: RITSUMEIKAN UNIVERSITY ROHM PLAZA 3F, 5F

Schedule

-------------------ROHM PLAZA 5F-------------------

10:00-10:30    Registration
10:30-10:35    Opening Speech by Dr. Kumaki, a chair of Kansai Section Young Professionals AG
10:35-10:40    Introduction of IEEE Student Branch (SB) and This Competition by Muragishi, a chair of Ritsumeikan Univ. IEEE Student Branch

Session 1 (10:50-12:00)

-------------------ROHM PLAZA 3F-------------------

11:00-11:10    Characteristic Functions of Sensing Node in for Monitoring Landslide Disaster
Takeyoshi Nakano    Ritsumeikan University
11:10-11:20    Multi-monolith Synchronization based on NTP for t-Room
Yoshiki Fujita    Doshisha University
11:20-11:30    Fluorine plasma treatment on InN films grown by RF-MBE
Syunsuke Fukushima    Ritsumeikan University
11:30-11:40    Power analysis and modeling of quadcopters on horizontal flight
Kotaro Maekawa    Ritsumeikan University
11:40-11:50    Lossless multi-channel EEG compression based on Kruskal’s algorithm
Marin Yasugi    University of Hyogo
11:50-12:00    A development of the high efficient charger recycling the surplus power of unstable solar panels
Naoki Yoshida    Ritsumeikan University

-------------------ROHM PLAZA 5F-------------------

11:00-11:10    Physical Behavior Estimated by Dynamic Data Flows in Telemetric Body Area Network System
Kenji Hayashi    Ritsumeikan University
11:10-11:20    See-Through: Driving as You've Never Seen
Che-Tsung Lin    Tsinghua University
11:20-11:30    Growth of N-polar InN by RF-MBE
Yuji Kubonaka    Ritsumeikan University
11:30-11:40    Performance evaluation of mega solar photovoltaic systems with different rated value photovoltaic modules connection
Naotaka Oka    Doshisha University
11:40-11:50    Analyzing the relations between donations and development progress in open source software projects
Keitaro Nakasai    Nara Institute of Science and Technology
11:50-12:00    Comfortable Sound Design Based on Sound Reconstruction of Infant Cry
Aomi Kobayashi    Ritsumeikan University

12:10-13:10    Lunch Break (60mins)
Session 2 (13:10-14:30)

-------------------------------ROHM PLAZA 3F-------------------------------
(UnderGraduate Session)

             Seiya Sirakuni  Ritsumeikan University

13:28-13:36  New contactless power transfer to articulated arm robot based on a disk repeater  
             Kentaro Kawabe  Ryukoku University

             Hiroaki Ito  Ritsumeikan University

             Akira Higuchi  Ritsumeikan University

13:52-14:00  Algorithm associated with the separation of sound with achievement of circulatory system  
             Wang Yigi  Ritsumeikan University

14:00-14:08  Research of stethoscope to catch circulatory system diseases  
             Ryota Sakamuki  Ritsumeikan University

14:08-14:16  Weighted Double Sideband Modulation for Parametric Loudspeaker  
             Yoshinori Ogami  Ritsumeikan University

14:16-14:24  Research of super-resolution that is suitable to security cameras for the criminal investigation support  
             Akira Akamatsu  Ritsumeikan University

-------------------------------ROHM PLAZA 5F-------------------------------

13:20-13:30  Surface potential measurement of a-Ga2O3 by Kelvin probe force microscopy  
             Yoshiki Fujiki  Ritsumeikan University

13:30-13:40  Autonomous Stabilization of Exercise Intensity in Physical Activities  
             Muhammad Azary Rusli  Ritsumeikan University

13:40-13:50  Lossless multi-channel EEG compression based on Kruskal’s algorithm  
             Yuki Terai  Osaka University

13:50-14:00  Vocal and Head Pose Coordination during Turn-taking Predicts Ratings of Social Reciprocity and Rapport of Children with Autism Spectrum Disorder  
             Chin-Po Chen  Tsinghua University

14:00-14:10  An Optimal Wireless Power Transfer System for Lithium-Ion Battery Charge  
             Yuto Honda  Ritsumeikan University

14:10-14:20  Localization of Sound Distance for 16ch Head-enclosed Loudspeaker-array  
             Taku Yoshimura  Ritsumeikan University

14:30-14:50  Rest (30mins)
Session 3 (14:50-16:10)

15:00-15:10  Design of Active Human Interface Realized Closed Body Area Network System
Daichi Sugita  Ritsumeikan University

15:10-15:20  Growth of thick InGaN by RF-MBE
Yuto Yamaguchi  Ritsumeikan University

15:20-15:30  Indoor-environmental Sound Discrimination in Reverberant Environments
Based on Deep Neural Network
Sakiko Mishima  Ritsumeikan University

15:30-15:40  Macrophage tracking in time-lapse MR images
Atsuki Tashita  University of Hyogo

15:40-15:50  The reduction of threading dislocation density in InN by radical-beam irradiation
Ryoichi Fujita  Ritsumeikan University

15:50-16:00  A Study on Identification of Loudspeaker System Using Functional Link Artificial
Neural Network
Yuya Nakahira  Kwansei Gakuin University

16:10-16:40  Rest (30mins)

Commentary & Awards Ceremony

Closing Speech by Prof. Fukumizu, a counselor of IEEE
Ritsumeikan SB and a member of IEEE Kansai Section
Student Activities Committee.

Friendly Meeting (Food and drink will be provided)
Place: Materials Exhibition Room (ROHM PLAZA3F)
**Staffs**

**IEEE Student Branch at Ritsumeikan University Officer:**

- **Chair:** Yuya Muragishi
- **Vice-Chair:** Kohei Sugiyama
- **Secretary:** Takuya Hatamoto
- **Treasurer:** Kotaro Maekawa
- **Counselor:** Prof. Yohei Fukumizu

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- Yuri Sumi
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**IEEE Kansai Section SB Chair:**

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- **Kyoto University:** Syunzi Kishino
- **Nara Institute of Science and Technology:** Kyouhei Uemura
- **Osaka University:** Mayu Yamashita
- **University of Hyogo:** Marin Yasugi

**IEEE Kansai Section Young Professionals Affinity Group:**

- **Chair:** Dr. Takeshi Kumaki
- **Treasurer:** Dr. Shingo Sato
- Dr. Ami Tanaka

**Home page (Ritsumeikan Student Branch)**

**URL:** [http://www.ieee.se.ritsumei.ac.jp/J/main.html](http://www.ieee.se.ritsumei.ac.jp/J/main.html)

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*Sponsored by IEEE Kansai Section Student Activities Committee, Ritsumeikan University, Doshisha University, Kyoto University, Nara Institute of Science and Technology, Osaka University, University of Hyogo and IEEE Kansai Section Young Professionals Affinity Group*