# Ritsumeikan University IEEE Student Branch
# English Presentation Competition 2016

Date: Friday, 7th Oct 2016
Place: RITSUMEIKAN UNIVERSITY ROHM PLAZA3F, 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

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**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

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12:10-13:10 **Lunch Break (60mins)**

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**Session 2 (13:10-14:30)**

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

**(UnderGraduate Session)**

13:20-13:28 Analysis of Hierarchical 32-Core Architectures for FPGA-based Embedded Systems
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

13:36-13:44 Study of method that detect sign of circulatory system disease.
Hiroaki Ito Ritsumeikan University

13:44-13:52 Dynamic Evaluation of Pedestrian Walking Field by their Flow Measurement
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-$Ga_2O_3$ 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

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14:30-14:50 **Rest (30mins)**

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

**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 Universit

15:30-15:40 Macrophage tracking in time-lapse MR images
Atsuki Tasihita 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

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

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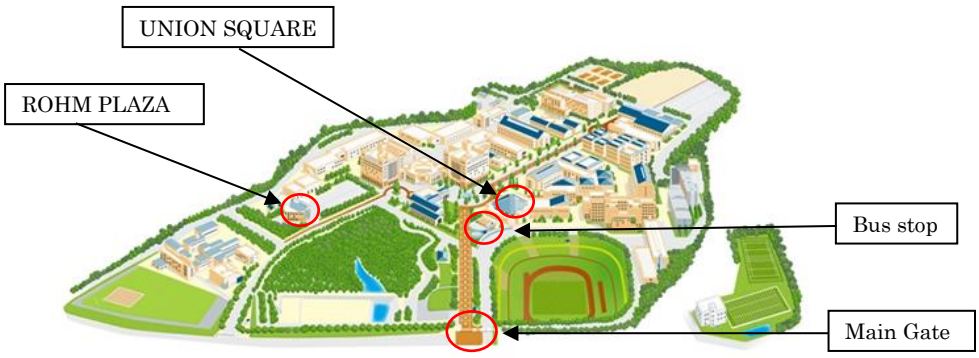
----------**ROHM PLAZA 5F**----------

16:40-17:00 Commentary & Awards Ceremony
17:00-17:05 Closing Speech by Prof. Fukumizu, a counselor of IEEE Ritsumeikan SB and a member of IEEE Kansai Section Student Activities Committee.

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

18:00-19:00 Friendly Meeting (Food and drink will be provided)
Place: Materials Exhibition Room (ROHM PLAZA3F)

## MAP




Ritsumeikan University Biwako Kusatsu Campus (BKC) MAP

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## Home page(Ritsumeikan Student Branch)

**URL:** http://www.ieee.se.ritsumei.ac.jp/J/main.html