

The 9th International Workshop on Regional Innovation Studies  
(IWRIS2017)  
Program (October 19-20, 2017)

Workshop Room: Regional Innovation Hall, Building C, Community-University Research  
Cooperation Center, Mie University

Presentation time: total 15 minutes (presentation: 10 minutes + discussion: 5 minutes)

Bell Timing: 8 minutes, 10 minutes, 14 minutes

## I. First Day: October 19 (Thursday)

### 10:10-10:15 **Opening**

Hideto Miyake (Dean of Graduate School of Regional Innovation Studies)

### **Session 1 Social Engineering I for Regional Innovation**

**Session chairs: Hisatsuna Mori and Mikihiro Kanou**

#### 1) 10:15-10:30

Reconsider the labor consciousness in the "Gender Equality" era in view of economic  
education for children

Naoko Ishida, Norihiro Nishimura and Hye-Sook Park

Graduate School of Regional Innovation Studies, Mie University

#### 2) 10:30-10:45

Domestic cultivation of crude drug and development of pharmaceutical products a case study  
of the cultivation of peony and regional activation by its comprehensive use in Suzuka-city,  
Japan

Hiroaki Kato and Norihiro Nishimura

Graduate School of Regional Innovation Studies, Mie University

#### 3) 10:45-11:00

Japanese educational history compilation of intellectual properties

Kiyoshi Sera

Mie Prefectural Tsu Commercial High School

## **Session 2 Bio-Science for Regional Innovation**

**Session chairs: Issei Kobayashi and Yasuaki Kagaya**

4) 11:15-11:30

Edible flower as new healthy food: Product in local market, antioxidants and chemical compositions

Sasicha Chensom, Takashi Mishima and Takeo Yano

Graduate School of Regional Innovation Studies, Mie University

5) 11:30-11:45

A method for preparation of oligosaccharides from carp glycophorin

Yohei Odaka and Takahiko Aoki

Graduate School of Regional Innovation Studies, Mie University

6) 11:45-12:00

A proposal for automatic disease stage classification in glioma histopathology images using deep CNN

Asami Yonekura<sup>1</sup>, Hiroharu Kawanaka<sup>1</sup>, V. B. Surya Prasath<sup>2</sup>, Bruce J. Aronow<sup>3</sup> and Haruhiko Takase<sup>1</sup>

<sup>1</sup>Graduate School of Engineering, Mie University

<sup>2</sup>Department of Computer Science, University of Missouri-Columbia, USA

<sup>3</sup>Division of Biomedical Informatics, Cincinnati Children's Hospital Medical Center, USA

12:00-13:30 Lunch Time

## **Session 3 Invited Lectures**

Presentation time: total 30 minutes (presentation: 20 minutes + discussion: 10 minutes)

**Session chair: Norihiro Nishimura and Hye-Sook Park**

13:30-15:30

(I-1) 13:30-14:00

Professor Mei-Ling Ho

Kaohsiung Medical University, Taiwan

(I-2) 14:00-14:30

AlGaIn-Based Deep Ultraviolet Detectors

Professor Sun Xiaojuan

Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences, China

(I-3) 14:30-15:00

Professor Jong-In Dong

University of Seoul, Korea

(I-4) 15:00-15:30

Professor Jeongin-Kim

Chung-Ang University, Korea

#### **Session 4 Engineering I for Regional Innovation**

##### **Session chairs: Naoya Torikai and Yusuke Hayashi**

7) 15:45-16:00

A collaborative learning method using learner-participation database

Li Zhang and Hidehiko Kita

Graduate School of Engineering, Mie University

8) 16:00-16:15

Training algorithm of spikeprop accepting sequential patterns: A discussion on effective combined teacher patterns

Kengo Onoda, Haruhiko Takase, Hiroharu Kawanaka and Shinji Tsuruoka

Graduate School of Engineering, Mie University

9) 16:15-16:30

Verification experiments of robot system for emotions expressed by physical motions: Analysis from the view point of Comparative Culture

Shinobu Nakagawa<sup>1</sup>, Shinji Tsuruoka<sup>2</sup>, Hiroshi Taguchi<sup>3</sup>

<sup>1</sup>Art & Science Design department, Osaka University of Art

<sup>2</sup>Graduate School of Engineering, Mie University

<sup>3</sup>Graduate school of Bioresources, Mie University

17:30-19:00

Banquet (Restaurant PASEO on campus)

## II. Second Day: October 20 (Friday)

### Session5 Social Engineering II for Regional Innovation

Session chairs: Hye-Sook Park and Masao Aoki

10) 10:00-10:15

Verification of sales prediction method in tourist spot

Haruki Odajima

Graduate School of Regional Innovation Studies, Mie University

11) 10:15-10:30

Development of the classes applying the cooperative/collaborative learning model for robot making learning in technology education

Toshihiro Yoshioka<sup>1</sup>, Hiroyuki Muramatsu<sup>2</sup> and Mamoru Matsuoka<sup>3</sup>

<sup>1</sup>Graduate School of Regional Innovation Studies, Mie University

<sup>2</sup>Shinshu University

<sup>3</sup>Faculty of Education, Mie University

12) 10:30-10:45

Difference of the consciousness on intellectual property of junior high second grade students among Japan, China and Korea

JinXiu<sup>1</sup>, Mamoru Matsuoka<sup>2</sup> and Jung Jin-Hyun<sup>3</sup>

<sup>1</sup>Graduate School of Regional Innovation Studies, Mie University

<sup>2</sup>Faculty of Education, Mie University

<sup>3</sup>Daegu National University of Education, Korea

### Session6 Engineering II for Regional Innovation

Session chairs: Hideto Miyake and Xiao Shiyu

13) 11:00-11:15

Study on aerodynamic characteristics of vertical axis wind turbine

Alisa Nakai<sup>1</sup>, Takao Maeda<sup>2</sup>, Yasunari Kamada<sup>2</sup>, Takuji Kasuya<sup>2</sup>, Keiichiro Kawai<sup>2</sup>, Yuhei Hoshino<sup>2</sup> and Qingan Li<sup>2</sup>

<sup>1</sup>Graduate School of Regional Innovation Studies, Mie University

<sup>2</sup>Graduate School of Engineering, Mie University

14) 11:15-11:30

The effect of pre-adsorbed polymer on dispersion state of carbon black in amorphous plastics

Yudai Fukunaga<sup>1</sup>, Yoshihisa Fujii<sup>2</sup> and Naoya Torikai<sup>1</sup>

<sup>1</sup>Graduate School of Regional Innovation Studies, Mie University

<sup>2</sup>Graduate School of Engineering, Mie University

15) 11:30-11:45

Development of the small wind power generating device directly connectable to the solar power generation system

Isamu Mizoguchi<sup>1</sup>, Naoki Yamamura<sup>2</sup>, Muneaki Ishida<sup>2</sup> and Vu Minh Phap<sup>2</sup>

<sup>1</sup>Graduate School of Regional Innovation Studies, Mie University

<sup>2</sup>Graduate School of Engineering, Mie University

11:45-13:15 Lunch Time

### **Session 7 Engineering III for Regional Innovation**

**Session chairs: Takashi Mishima and Hisanori Yagami**

16) 13:15-13:30

High temperature face-to-face annealing of AlN films grown by MOVPE

Shunsuke Okada<sup>1</sup>, Shuichi Tanaka<sup>1</sup>, Yusuke Hayashi<sup>2</sup>, Hideto Miyake<sup>1,2</sup> and Kazumasa Hiramatsu<sup>1</sup>

<sup>1</sup>Graduate School of Engineering, Mie University

<sup>2</sup>Graduate School of Regional Innovation Studies, Mie University

17) 13:30-13:45

Preparation of high-quality a-plane AlN on r-plane sapphire using sputtering and annealing method

Ryo Fukuta<sup>1</sup>, Yuta Yamaki<sup>1</sup>, Yusuke Hayashi<sup>2</sup>, Hideto Miyake<sup>1,2</sup> and Kazumasa Hiramatsu<sup>1</sup>

<sup>1</sup>Graduate School of Engineering, Mie University

<sup>2</sup>Graduate School of Regional Innovation Studies, Mie University

18) 13:45-14:00

Investigation of high-temperature-annealing for AlN layers sputtered on PSS

Yikang Liu<sup>1</sup>, Nan Jiang<sup>1</sup>, Yusuke Hayashi<sup>2</sup>, Hideto Miyake<sup>1,2</sup> and Kazumasa Hiramatastu<sup>1</sup>

<sup>1</sup>Graduate School of Engineering, Mie University

<sup>2</sup>Graduate School of Regional Innovation Studies, Mie University

14:00-14:05 **Closing**

Hideto Miyake (Dean of Graduate School of Regional Innovation Studies)