

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

Workshop Room: Regional Innovation Hall, Buiding 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, Mie University)

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 Yonekura¹, Hiroharu Kawanaka¹, V. B. Surya Prasath², Bruce J. Aronow³ and Haruhiko Takase¹

¹Graduate School of Engineering, Mie University

²Department of Computer Science, University of Missouri-Columbia, USA

³Division 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

A new drug development for osteoarthritis treatment-a new indication for PTH1-34

Mei-Ling Ho^{1,2}, Je-Ken Chang^{1,3}, Chung-Hwan Chen^{1,3}, Ling-Hwa Chang¹, Yin-Chih Fu^{1,3}, Gwo-Jaw Wang^{1,3}

¹ Orthopaedic Research Center, Kaohsiung Medical University, Taiwan

² Department of Physiology, College of Medicine, Kaohsiung Medical University, Taiwan

³ Department of Orthopedics, Kaohsiung Medical University Hospital, Taiwan

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

AlGaIn-Based Deep Ultraviolet Detectors

Sun Xiaojuan

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

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

Air Pollution Management Strategies in Seoul Metropolitan Area

Jong-In Dong

Department of Environmental Engineering, University of Seoul, Korea

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

Some innovative approaches regarding Emission Trading System (ETS) for the solution of
environmental problems in North East Asian countries

Jeongin-Kim

Department of Economics, 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 Nakagawa¹, Shinji Tsuruoka², Hiroshi Taguchi³

¹Art & Science Design department, Osaka University of Art

²Graduate School of Engineering, Mie University

³Graduate 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 Yoshioka¹, Hiroyuki Muramatsu² and Mamoru Matsuoka³

¹Graduate School of Regional Innovation Studies, Mie University

²Shinshu University

³Faculty 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

JinXiu¹, Mamoru Matsuoka² and Jung Jin-Hyun³

¹Graduate School of Regional Innovation Studies, Mie University

²Faculty of Education, Mie University

³Daegu 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 Nakai¹, Takao Maeda², Yasunari Kamada², Takuji Kasuya², Keiichiro Kawai², Yuhei Hoshino² and Qingan Li²

¹Graduate School of Regional Innovation Studies, Mie University

²Graduate 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 Fukunaga¹, Yoshihisa Fujii² and Naoya Torikai¹

¹Graduate School of Regional Innovation Studies, Mie University

²Graduate 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 Mizoguchi¹, Naoki Yamamura², Muneaki Ishida² and Vu Minh Phap²

¹Graduate School of Regional Innovation Studies, Mie University

²Graduate 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 Okada¹, Shuichi Tanaka¹, Yusuke Hayashi², Hideto Miyake^{1,2} and Kazumasa Hiramatsu¹

¹Graduate School of Engineering, Mie University

²Graduate 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 Fukuta¹, Yuta Yamaki¹, Yusuke Hayashi², Hideto Miyake^{1,2} and Kazumasa Hiramatsu¹

¹Graduate School of Engineering, Mie University

²Graduate School of Regional Innovation Studies, Mie University

18) 13:45-14:00

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

Yikang Liu¹, Nan Jiang¹, Yusuke Hayashi², Hideto Miyake^{1,2} and Kazumasa Hiramatastu¹

¹Graduate School of Engineering, Mie University

²Graduate School of Regional Innovation Studies, Mie University

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

Hideto Miyake (Dean of Graduate School of Regional Innovation Studies, Mie University)