

The Eighth International Workshop on Regional Innovation Studies (IWRIS2016)

Program (October 13-14, 2016)

Workshop Room: Hall 3F, Building of Regional Innovation Studies, 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 13 (Thursday)

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

Issei Kobayashi (Dean of Graduate School of Regional Innovation Studies)

Session 1 Engineering I for Regional Innovation

Session chairs: Mikihiro Kanou and Hideto Miyake

1) 10:15-10:30

Detection of False Recognition for Document Retrieval Using Body Diagrams

Kohei Moriyama, Hiroharu Kawanaka, Haruhiko Takase and Shinji Tsuruoka

Graduate School of Engineering, Mie University

2) 10:30-10:45

Automatic Extraction Method of Skin Color Area from Presentation Moving Image

Kumiko Obara¹, Shinji Tsuruoka², Hisanori Yagami¹, Takaya Kato¹, Haruhiko Takase² and Hiroharu Kawanaka²

¹Graduate School of Regional Innovation Studies, Mie University

²Graduate School of Engineering, Mie University

3) 10:45-11:00

Analysis of Computer Event Logs to Assess Student Engagement in Classroom: A Case Study in the Mie University

Koji Yamada, Atsushi Inoue, Hiroharu Kawanaka, Haruhiko Takase and Shinji Tsuruoka

Graduate School of Engineering, Mie University

Session 2 Molecular Biology I for Regional Innovation

Session chairs: Issei Kobayashi and Takahiko Aoki

4) 11:15-11:30

Antioxidant Unit, Vitamin Content and Proximate Nutrition Analysis of Edible Flowers (Viola and Torenia)

Sasicha Chensom and Takashi Mishima

Graduate School of Regional Innovation Studies, Mie University

5) 11:30-11:45

Hemi-methylated DNA Induces DNA Damage in Mammalian Cells

Kaede Hattori¹, Shin-ichiro Takebayashi², Takahiro Sibata¹, Shin Ogata¹, Masato Ogata² and Katsuzumi Okumura¹

¹Graduate School of Bioresources, Mie University

²Graduate School of Medicine, Mie University

6) 11:45-12:00

Folate Depletion Induces DNA Damage and Gene Expression Changes

Takumi Akou¹, Shin-ichirou Takebayashi², Masato Ogata², Shin Ogata¹ and Katsuzumi Okumura¹

¹Graduate School of Bioresources, Mie University

²Graduate School of Medicine, Mie University

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

13:30-15:00

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

The Area-based Collaborative Research Project, Regional Development and Network Governance in Thailand

Professor Wasan Luangprapat

Faculty of Political Science, Thammasat University, Bangkok, The Kingdom of Thailand

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

Clustered Single-vehicle Routing Problem with Pickup and Delivery

Professor Chih-Hung Lin

Department of Marketing and Logistics and Management, Southern Taiwan University of Science and Technology, Tainan, Taiwan R.O.C.

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

Theme: Cambodia Business Japanese Education - Toward the Bridge Human Resource Development -

Professor Loch Leaksmy

Department of Japanese, Head Department of Japanese, Royal University of Phnom Penh, Phnom Penh, The Kingdom of Cambodia

Session 4 Engineering II for Regional Innovation

Session chairs: Hisanori Yagami and Naoya Torikai

7) 15:15-15:30

Study of a New Transport System of Water in a Small Hydroelectric Power Plant of Bano River

Akihiro Miyasako and Masaaki Bannai

Graduate School of Regional Innovation Studies, Mie University

8) 15:30-15:45

A Proposal of New Segmentation Method for Glioma Pathology Images

Kiichi Fukuma¹, Hiroharu Kawanaka¹, V. B. Surya Prasath², Bruce J. Aronow³ and Haruhiko Takase¹

¹Graduate School of Engineering, Mie University

²University of Missouri, United States

³Cincinnati Children's Hospital Medical Center, United States

9) 15:45-16:00

A Study on Side-segmentation Method for Dementia Evaluation Using Graphics Drawing Test

Shota Hayashi, Hiroharu Kawanaka, Haruhiko Takase and Shinji Tsuruoka

Graduate School of Engineering, Mie University

Session 5 Social Engineering I for Regional Innovation

Session chairs: Liqing Zang and Takeo Yano

10) 16:15-16:30

The Formation of Localized Resource Circulation Systems from Collaborations between High School Students and the Community

Masayuki Kishikawa

Graduate School of Regional Innovation Studies, Mie University

11) 16:30-16:45

Comparative Survey of the Consciousness on Intellectual Property from Elementary to University Students among Japan, China and Korea

Jin Xiu¹, 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

12) 16:45-17:00

Effect of Acute Hyperoxic Inhalation on Physiological Responses and Oxidative Stress

Kosuke Taniguchi¹ and Masaaki Sugita²

¹Graduate School of Regional Innovation Studies, Mie University

²Faculty of Education, Mie University

13) 17:00-17:15

Regional Innovation Model in Education - Examination of a Case Study of Aichi Summer Seminar -

Yuki Kawami¹, Chikako Nezu² and Hye-Sook Park³

¹Graduate School of Regional Innovation Studies, Mie University

²Faculty of Education, Mie University

³Faculty of Humanities, Mie University

17:30-19:00

Banquet (Restaurant PASEO on campus)

II. Second Day: October 14 (Friday)

Session6 Engineering III for Regional Innovation

Session chairs: Hisanori Yagami and Hideto Miyake

14) 10:00-10:15

Dispersion Control of the Carbon Blacks in Plastic Materials Using Different Dispersion Media

Yudai Fukunaga and Naoya Torikai

Graduate School of Regional Innovation Studies, Mie University

15) 10:15-10:30

Keyword Detection and Extraction Method for Low-resolution Medical Documents

Makoto Kawamura¹, Hiroharu Kawanaka¹, Haruhiko Takase¹, Shinji Tsuruoka¹ and Shunsuke Doi²

¹Graduate School of Engineering, Mie University

²Chiba University Hospital

16) 10:30-10:45

Morphology Control of Microphase-Separated Structure of Two-Component Triblock Copolymers by Simply Blending Homopolymer

Keisuke Mogari¹, Yoshihisa Fujii², and Naoya Torikai¹

¹Graduate School of Regional Innovation Studies, Mie University

²Graduate School of Engineering, Mie University

Session7 Molecular Biology II for Regional Innovation

Session chairs: Yasuaki Kagaya and Sahoko Ichihara

17) 11:00-11:15

The Role of DNA Replication during Mitotic Clonal Expansion

Nanami Okochi¹, Shin-Ichiro Takebayashi², Masato Ogata², Shin Ogata¹ and Katsuzumi Okumura¹

¹Graduate School of Bioresources, Mie University

²Graduate School of Medicine, Mie University

18) 11:15-11:30

Conformational Study of *L.delbrueckii* exopolysaccharides

Danruo Zhang and Takashi Mishima

Graduate School of Regional Innovation Studies, Mie University

19) 11:30-11:45

Hexane-extracted Seminole Oil Suppresses RANKL-induced Osteoclast Differentiation

Ai Saito^{1,2}, Suguru Ito², Kazuhiro Kagotani², Katsuzumi Okumura³, Norihiro Nishimura¹ and Takeo Yano¹

¹Graduate School of Regional Innovation Studies, Mie University

²Tsuji Oil Mills Co., Ltd.

³Graduate School of Bioresources, Mie University

11:45-13:15 Lunch Time

Session 8 Engineering IV for Regional Innovation

Session chairs: Mikihito Kanou and Naoya Torikai

20) 13:15-13:30

Influences of [NH₃]/[TMA] Ratio on the Crystal Quality of AlN Films Grown by Metal Organic Chemical Vapor Epitaxy

Ryo Yoshizawa¹, Shinya Tamaki¹, Hideto Miyake^{1,2} and Kazumasa Hiramatsu¹

¹Department of Electrical and Electronic Engineering, Mie University

²Graduate School of Regional Innovation Studies, Mie University

21) 13:30-13:45

Growth of AlN Layer on c-Plane Sapphire Annealed in Air

Shinya Tamaki¹, Ryo Yoshizawa¹, Hideto Miyake^{1,2} and Kazumasa Hiramatsu¹

¹Department of Electrical and Electronic Engineering, Mie University

²Graduate School of Regional Innovation Studies, Mie University

22) 13:45-14:00

Effects of Trench Patterns Direction for GaN Grown on Nonpolar Bulk GaN Substrates

Shunsuke Okada¹, Hiroki Iwai¹, Hideto Miyake^{1,2} and Kazumasa Hiramatsu¹

¹Department of Electrical and Electronic Engineering, Mie University

²Graduate School of Regional Innovation Studies, Mie University

23) 14:00-14:15

High-temperature Annealing of Sputtering AlN Film on Sapphire

Liu Yikang¹, Yasuhiro Yamashita¹, Hideto Miyake^{1,2} and Kazumasa Hiramatsu¹

¹Department of Electrical and Electronic Engineering, Mie University

²Graduate School of Regional Innovation Studies, Mie University

Session 9 Social Engineering II for Regional Innovation

Session chairs: Takashi Mishima and Sahoko Ichihara

24) 14:30-14:45

Educational Effect of Power-Saving Competition Car Production Learning Based on a Revised Cooperative (Collaborative) Learning Model on View of Technology and Occupation

Toshihiro Yoshioka¹, Hiroyuki Muramatsu², Mamoru Matsuoka³, Yuki Atsumi⁴ and Yoichi Fujitaka⁵

¹Graduate School of Regional Innovation Studies, Mie University

²Shinshu University

³Faculty of Education, Mie University

⁴Suzuka Municipal Hiratano Junior High School

⁵Tsu Municipal Hisai Junior High School

25) 14:45-15:00

Consideration of Using an Archive for Enhancing the Local Disaster Prevention Awareness
Chiharu Mizuki

Mie Disaster Mitigation Center, Mie University

26) 15:00-15:15

Innovation on Working Style and Awareness of Women by the Economic Education for Children

Naoko Ishida¹, Norihiro Nishimura¹, Eiji Yamane² and Hye-Sook Park³

¹Graduate School of Regional Innovation Studies, Mie University

²Faculty of Education, Mie University

³Faculty of Humanities, Mie University

27) 15:15-15:30

Study of Depopulation in Sugashima and Consideration of Its Solution

Jin Asanuma¹, Liqing Zang¹, Aya Kuwayama² and Norihiro Nishimura¹

¹Graduate School of Regional Innovation Studies, Mie University

²Department of Bioresources, Mie University

15:30-15:35 **Closing**

Issei Kobayashi (Dean of Graduate School of Regional Innovation Studies)