

The 17th International Workshop on Regional Innovation Studies (IWRIS2025: October 16-17, 2025)

Workshop Room: Regional Innovation Hall, Building C, Regional Innovation Center, Mie University

(Presenters / 1~14)

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

Bell Timing: 8 minutes, 10 minutes, 14 minutes

*Switching time: 5 minutes

I. First Day: October 16 (Thursday)

13:00-13:05 **Opening**

Keita Suwabe (Dean of Graduate School of Regional Innovation Studies, Mie University)

Session 1 Social Science I for Regional Innovation

1) 13:05-13:25

Analysis of Consumer Preferences on the Purchase Decision of Red Rice and Black Rice in Palembang City

Fisdo Habimayu¹, Dwi Wulan Sari², Yulian Junaidi³

^{1,2,3}Department of Social Economic Agriculture, Faculty of Agriculture, Universitas Sriwijaya, Palembang, Indonesia

2) 13:25-13:45

How Regional Financial Institution Employees Think about Their Careers: An Analysis from the Perspective of Gender and Age

Sayaka KUSAKA¹, Ryo KONISHI²

¹ PhD Student, Graduate School of Regional Innovation Studies, Mie University, Tsu, Japan

² Research Fellow, Graduate School of Regional Innovation Studies, Mie University, Tsu, Japan

3) 13:45-14:05

Changes in children who had difficulty acquiring hiragana after continuous intervention

Toshiyuki Shimada¹

¹Graduate School of Regional Innovation Studies, Mie University, Tsu City, Japan

4) 14:05-14:25

Trends in Corporate Public Relations Research in Japan: A Systematic Review

Kazumi YAMAKAMI¹

¹ Graduate School of Regional Innovation Studies, Mie University, Tsu, Japan

14:25-14:40 Break

Invited Lecture I

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

(I-1) 14:40-15:10

Indonesian Migrant Workers in Japan: A Study of Profiles and Migration Factors

Dwi Wulan Sari¹ and Marthin Syach Putra²

^{1,2} Department of Social Economic Agriculture, Faculty of Agriculture, Universitas Sriwijaya, Palembang, Indonesia

Invited Lecture II

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

(I-2) 15:10-15:40

Effects of dietary tamarind (*Tamarindus indica*) seed powder supplementation on growth rate, immunological response, and immune-antioxidant related gene in Nile tilapia, *Oreochromis niloticus*, reared in a biofloc system

Supreya Wannavijit¹, Anisa Rilla Rubis¹, Parvathy Prakash¹, Nuttapon Khongdee², Nguyen Vu Linh¹, Seyed Hossein Hoseinifar³, and Hien Van Doan^{1,4*}

¹ Department of Animal and Aquatic Sciences, Faculty of Agriculture, Chiang Mai University, Chiang Mai, 50200, Thailand

² Department of Highland Agriculture and Natural Resources, Faculty of Agriculture, Chiang Mai University, Chiang Mai, 50200, Thailand

³ Department of Fisheries, Faculty of Fisheries and Environmental Sciences, Gorgan University

⁴ Functional Feed Innovation Center (FuncFeed), Faculty of Agriculture, Chiang Mai University, 50200, Chiang Mai, Thailand

15:40-15:55 Break

Session 2 Social Science II for Regional Innovation

4) 15:55-16:15

Determinant Factors Of Willingness To Pay (WTP) For Halal Beef In The Japanese Market:

An Indonesian Muslim Perspective

Marthin Syach Putra¹, Dwi Wulan Sari², Dessy Adriani³, Akihisa Nonaka⁴

^{1,2,3} Department of Social Economic Agriculture, Faculty of Agriculture, Universitas Sriwijaya, Palembang, Indonesia

⁴ Graduate School of Regional Innovation Studies, Mie University, Tsu, Mie 514-8507, Japan

5) 16:15-16:35

The historical significance of the Telecommunications Research Institute's establishment during the occupation -perspectives on the social implementation of innovation-

Katou Takayuki¹

¹ Graduate School of Regional Innovation Studies, Mie University, Tsu, Japan

6) 16:35-16:55

The Role of Local Attachment to Nature in Shaping Settlement Intentions of Rural Junior High Students

Rurika MATSUMURA¹, Norihiro NISHIMURA¹ and Kosuke YAMAMOTO²

¹ Graduate school of Regional Innovation , Mie University, Tsu City, Japan

² Graduate school of bioresources, Mie university, Tsu, Japan

7) 16:55-17:15

International Cooperation in New Era: Theories and practices

Nguyen Ngoc Xuan Thu¹

¹ Ho Chi Minh City Open University, School of Advanced Study, Ho Chi Minh, Vietnam

17:45-19:15 **Banquet**

II. Second Day: October 17 (Friday)

Session 3 Engineering I for Regional Innovation

9) 10:30-10:50

The Effect of Using Exoskeleton on Intervertebral Range of Motion

Koki Mitsuiwa¹, Sotaro Baba¹, Tadashi Inaba¹, Takaya Kato² and Ryojun Ikeura¹

¹ Graduate School of Engineering, Mie University, Tsu City, Japan

² Graduate School of Regional Innovation Studies, Mie University, Tsu City, Japan

10) 10:50-11:10

A Study on Evaluating AI to Data Analysis

Yuki Matsunaga¹, Shinya Matsushita² and Haruhiko Takase¹

¹ Department of Electrical and Electronic Engineering, Mie University, Tsu, Japan

² Nagoya Gakuin University, Faculty of Business Administration, Department of Data Management, Nagoyai, Japan

11) 11:10-11:30

Numerical simulation for prediction of soil heat transfer characteristics with a heat exchanger installed near the root zone area

Shogo Higashi¹, Naoki Maruyama², Thiri Shoon Wai², Takumi Hirose¹, Mitsuki Hama³, Koki Hirose³

¹Division of Mechanical Engineering, Graduate School of Engineering, Mie University, Tsu, Japan

²Engineering Innovation Unit, Graduate School of Regional Innovation Studies, Mie University, Tsu, Japan

³Course of Mechanical Engineering, Faculty of Engineering, Mie University, Tsu, Japan

12) 11:30-11:50

Estimating heat load and energy use in vertical indoor strawberry farming under tropical climate region

Thiri Shoon Wai¹, Naoki Maruyama¹, Nappasawan Wongmongkol², Chatchawan Chaichana², Smith Eiamsa-ard³ and Masafumi Hirota⁴

¹Engineering Innovation Unit, Graduate School of Regional Innovation Studies, Mie University, Tsu, Japan

²Department of Mechanical Engineering, Faculty of Engineering, Chiang Mai University, Chiang Mai, Thailand

³Department of Mechanical Engineering, School of Engineering and Industrial Technology, Mahanakorn University of Technology, Bangkok, Thailand

⁴Department of Mechanical Engineering, Faculty of Engineering, Aichi Institute of Technology, Toyota, Japan

11:50-13:20 Lunch Time

Invited Lecture III

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

(I-3) 13:20-13:50

Molecular Identification of *Xanthomonas campestris* pv. *campestris* Races for Enhanced

Black rot Management in *Brassicacea*

Nihar Sahu¹ and Jong-In Park^{1,2*}

¹Department of Horticulture, Sunchon National University, Suncheon, Jeonnam 57922, Republic of Korea

²Interdisciplinary Program in IT-Bio Convergence System, Sunchon National University, Suncheon, Jeonnam 57922, Republic of Korea

Invited Lecture IV

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

(I-4) 13:50-14:20

Genetic Inheritance and SNP-Based Marker Analysis for Resistance to Powdery Mildew (*Podosphaera xanthii*) Race KN1

Sopheak Kheng¹, Ijaz Yaseen¹, Ye-Ji Hong^{1,2}, Hoy-Taek Kim¹

¹Department of Horticulture, Sunchon National University, 255, Jungang-ro, Suncheon-si, Jeollanam-do 57922, Republic of Korea.

²Fruit Vegetables Research Institute, Jeollabuk-do Agricultural Research and Extension Services, Gunsan 54062, Republic of Korea

14:20-14:35 Break

Session 4 Biological Science for Regional Innovation

13) 14:35-14:55

Modification of baker's yeast to produce high levels of aroma compounds

Sae KOMEDOORI^{1, 2}, Yayoi NISHIDA³, Akira HANYA⁴, Kiyonori HATTORI⁵, Yasunori YOSHIDA⁶, Yoshio NISHIDA²

¹ Graduate School of Institute of Enology and Viticulture, University of Yamanashi, Kofu, Yama-nashi, Japan

² School of Health and Nutrition, Tokaigakuen University, Nagoya, Aichi, Japan

³ Blue Industries, Co., Ltd., Sumida-ku, Tokyo, Japan

⁴ Aichi Center for Industry and Science Technology/Food Research Center, Nagoya, Aichi, Japan

⁵ JR Tokai Agency Co., Ltd., Nagoya, Aichi, Japan

⁶ Sato Brewery Co., Ltd., Ama, Aichi, Japan

14) 14:55-15:15

Innovation of Methyl Eugenol as a Simple Trap for Fruit Flies in Indonesia

Weri Herlin^{1*)}, Yulia Pujiastuti², Fadhil Muhammad Raihan¹, Gihandra Amika Putra¹, Timothy

Raphael Sitorus¹, Samuel Gilbert Damanik¹, Isnun Mutminah¹, Grace Enita Yemima¹, Naura Tsabi-tha Utomo¹, Vikgrin Naulia Nasution¹

¹Study Program Agroecotechnology, Faculty of Agriculture, Sriwijaya University, Indralaya 30662 Ogan Ilir, South Sumatera, Indonesia

²Study Program Plant Protection, Faculty of Agriculture, Sriwijaya University, Indralaya 30662 Ogan Ilir, South Sumatera, Indonesia

15:15-15:20 Closing

Naoki Maruyama (Vice Dean of Graduate School of Regional Innovation Studies, Mie University)