

The Fifth International Workshop on Regional Innovation Studies (IWRIS2013)
Fourth Temporal Presentation Program (6 Oct., 2013)

- i) **Workshop Room:** Media Hall, University Research Hall II (1F), Mie University
ii) **Presentation Time:** Oral Presentation: 10 min., Q&A: 5min., Total: 15 min.
Presentation Bell: 8min., 10min., 14min.

I. FIRST DAY : 17 OCTOBER (THURSDAY)

11:05-11:10 Opening Speech of International Workshop

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

11:10-11:55 Session 1 Bio Science, Local Brand Products and Robot Motion for Regional Innovation
(Doctor Course)

Session chairs: Issei Kobayashi, Masataka Kubo

(1) 11:10 A Simplified Biofuel Production from Plant Lignocellulolytic Biomass

Shunsuke Ichikawa¹ and Shuichi Karita¹

¹ Graduate School of Regional Innovation Studies, Mie University

(2) 11:25 Local Core Companies' Role in Regional Innovation

- Development of the Local Brand of Distilled Spirit "SHISHU HAYATO" in Ise-Shima Area -

Yasuyuki Nakayama^{1,2}, Takeshi Mizoguchi², Takeo Yano¹

¹ Graduate School of Regional Innovation Studies, Mie University

² Iseman co. Limited, Ise, Mie

(3) 11:40 Motion Design of Emotional Expressions for Robot to Communicate with Human

- Analysis of "Bunraku" Puppet Motion -

Shinobu Nakagawa^{1,2} and Shinji Tsuruoka¹

¹ Graduate school of Regional Innovation Studies, Mie University

² Design department, Osaka University of Arts, Osaka

13:10-14:25 Session 2 Smart Campus and Human Motion for Regional Innovation
(Master Course)

Session chairs: Shuichi Karita, Takeo Yano

(4) 13:10 Analysis of Cooling and Heating Load and Electricity Reduction at Convenience Store

Tatsuhito Koshika¹ and Masaaki Bannai¹

¹ Graduate School of Regional Innovation Studies, Mie University

(5) 13:25 An Evaluation of Electrical Load Leveling by Storage Battery or Private Electric Generator to the Factory

Yusuke Katano¹ and Masaaki Bannai¹

¹ Graduate School of Regional Innovation Studies, Mie University

- (6) 13:40 A Study on Automatic Tracking and Correcting Camera Angle for Image-Based e-Learning System

Hiroya Tanaka¹, Hiroharu Kawanaka¹, Takaharu Sedo², Takashi Tsujii², Haruhiko Takase¹ and Shinji Tsuruoka³

¹ Graduate School of Engineering, Mie University

² Hagiwara Electric Co., Ltd, Nagoya, Aichi

³ Graduate School of Regional Innovation Studies, Mie University

- (7) 13:55 A Study on Trend Analysis of Grip Form for Comfortable Grip Form Designing

Yuji Sasano¹, Hiroharu Kawanaka¹, Kazuyoshi Takahashi^{1, 2}, Koji Yamamoto³, Haruhiko Takase¹ and Shinji Tsuruoka⁴

¹ Graduate School of Engineering, Mie University

² Banzai Factory Company Limited, Rikuzen-takata, Iwate

³ Suzuka University of Medical Science, Mie

⁴ Graduate School of Regional Innovation Studies, Mie University

- (8) 14:10 The Relationship between Pitching Performance and Physical Fitness in Baseball

Kousuke Taniguchi¹, Masaaki Sugita¹

¹ Faculty of Education, Mie University

14:45-15:45 Session 3 Invited Lectures from TATI University College, Malaysia

Oral Presentation Time: 20 min., Q&A: 10min., Total: 30 min.

Session chairs: Shinji Tsuruoka

- (I-1) 14:45-15:15 Homogenous Fish Cracker Hybrid Drying System

Wan Zulkarnain bin Othman¹, I. Zunaidi¹, I. M. Tarmizi¹, M. Luqman¹, A. M. Redhwan¹, A. Kharudin¹, A. B Samat¹, Wasis Nugroho², D. Shafie², A. Haswandi²

¹ Faculty of Electrical and Automation Engineering Technology

TATI University College, Kemaman, Terengganu, Malaysia

² Faculty of Manufacturing Engineering Technology,

TATI University College, Kemaman, Terengganu, Malaysia

- (I-2) 15:15-15:45 Compatibility Study of Replacement Material for Cold Cutting Machine

A.M. Redhwan¹, I. Zunaidi¹, S.M. Lutfi Syahmi², M.M Shahrir², N. Wasis², O.W. Zulkarnain¹ and B. Nor Bahiyah³

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Terengganu Advanced Technical Institute (TATI) University College, Terengganu, Malaysia

² Faculty of Manufacturing Engineering Technology,

TATI University College (TATIUC), Terengganu, Malaysia

³ Centre of Preparatory and General Study,

TATI University College (TATIUC), Terengganu, Malaysia

16:00-17:00 Session 4 Biomedical Engineering and Optic Sensing for Regional Innovation

(Master Course)

Session chairs: Sahoko Ichihara, Masaaki Bannai

- (9) 16:00 3D-Display of Treatment Effect Using Generating Model of Abnormal Area on 3D Retinal Optical Coherence Tomography

Ngoc Anh Huyen Nguyen¹, Shinji Tsuruoka², Hiroharu Kawanaka¹, Haruhiko Takase¹, Hisashi Matsubara³, Hisanori Yagami⁴ and Fumio Okuyama⁵

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³ Graduate School of Medicine, Mie University

⁴ Community University Research Cooperation Center, Mie University

⁵ Faculty of Medical Engineering, Suzuka University of Medical Science, Mie

- (10) 16:15 Extraction Method of Disease Area Using Three Dimensional Regional Statistics from Retinal Optical Coherence Tomography Images

Ikunari Nakahara¹, Shinji Tsuruoka², Haruhiko Takase¹, Hiroharu Kawanaka¹, Hisanori Yagami³, Hisashi Matsubara⁴ and Fumio Okuyama⁵

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⁵ Faculty of Medical Engineering, Suzuka University of Medical Science, Mie

- (11) 16:30 An Effective Schema Recognition Method for Medical Document Retrieval

Hiroshi Kajiwara¹, Hiroharu Kawanaka¹, Koji Yamamoto², Haruhiko Takase¹, Shinji Tsuruoka³

¹ Graduate School of Engineering, Mie University

² Faculty of Medical Engineering, Suzuka University of Medical Science, Mie

³ Graduate School of Regional Innovation Studies, Mie University

- (12) 16:45 Measurement of Diameter Changes in Tunnels Using Fiber-Optic Sensing
Yoshiki Hayase¹ and Hiroshi Naruse¹

¹ Graduate School of Engineering, Mie University

【SECOND DAY: 18 OCTOBER (FRIDAY)】

9:00-10:15 Session 5 Human Interface for Regional Innovation (Master Course)

Session chairs: Takashi Mishima, Kazunori Yamamori

(13) 9:00 Improvement of Bird Eye's View Map in Car Navigation System

Yuya Hijikata¹, Kazunori Yamamori¹ and Kazuya Kinoshita²

¹ Graduate School of Regional Innovation Studies, Mie University

² Shimpo Information Systems Co., Ltd., Nagoya, Aichi

(14) 9:15 Development of Mobile e-Learning System for Healthcare Information Technologist Training

Shoma Tanaka¹, Miyuki Ibata², Itsuko Asada², Hiroharu Kawanaka¹, Haruhiko Takase¹,
Shinji Tsuruoka³

¹ Graduate School of Engineering, Mie University

² Medical IT Center, Nagoya University Hospital, Nagoya, Aichi

³ Graduate School of Regional Innovation Studies, Mie University

(15) 9:30 Handwritten Keyword Extraction from Blackboard and Interactive User Interface for Visual
E-learning System with an Automatic Keyword Indexing

Shohei Okuyama¹, Shinji Tsuruoka², Haruhiko Takase¹ and Hiroharu Kawanaka¹

¹ Graduate School of Engineering, Mie University

² Graduate School of Regional Innovation Studies, Mie University

(16) 9:45 Extraction of Character Line from Handwritten Examination Papers

Katsunari Goto¹, Shinji Tsuruoka¹, Haruhiko Takase², Hiroharu Kawanaka² and Chinthaka
Premachandra³

¹ Graduate School of Regional Innovation Studies, Mie University

² Graduate School of Engineering, Mie University

³ Graduate School of Engineering, Tokyo University of Science, Tokyo

(17) 10:15 Robust Recognition of Rotated Face Using Grayscale Gradient Features

Mizuki Ito¹, Wataru Ohyama¹, Tetsushi Wakabayashi¹ and Fumitaka Kimura¹

¹ Graduate School of Engineering, Mie University

【10:30-10:40 Closing Session】

Closing Speech: Workshop General Chair: Shinji Tsuruoka

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