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: 5 min., Total: 15 min.
Presentation Bell: 8 min., 10 min., 14 min.

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 Ichikawa\(^1\) and Shuichi Karita\(^1\)
\(^1\) 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 Mizoguchi\(^2\), Takeo Yano\(^1\)
\(^1\) 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 Tsuruoka\(^1\)
\(^1\) 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 Koshika\(^1\) and Masaaki Bannai\(^1\)
\(^1\) 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 Katano\(^1\) and Masaaki Bannai\(^1\)
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 Sedó², 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 Takahashi¹,², Koji Yamamoto³, Haruhiko Takase¹ and Shinji Tsuruoka⁴
¹ Graduate School of Engineering, Mie University
² Banzai Factory Company Limited, Rikuzentakata, 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
Kosuke 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: 10 min., 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 (TATIUC), 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
¹ Faculty of Electrical and Automation Engineering Technology, 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,
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
¹ Graduate School of Engineering, Mie University
² Graduate School of Regional Innovation Studies, Mie University
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
¹ Graduate School of Engineering, Mie University
² Graduate School of Regional Innovation Studies, Mie University
³ Community University Research Cooperation Center, Mie University
⁴ Graduate School of Medicine, Mie University
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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