

2013 International Workshop on ICT at Beppu

Kamenoi Hotel, Beppu, Oita, Japan

12th to 14th December 2013

Final Program

A long presentation (specified by **LP**) has 15 minutes presentation and 5 minutes Q & A. A short presentation has 8 minutes presentation and 4 minutes Q & A.

Thursday, 12th December 2013	
13:30 – 13:50	Opening
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Technical Session I	
13:50 – 14:10	LP An Improvement of Graph-Based Fill-in-Blank Problem Generation Algorithm in Java Programming Learning Assistant System <i>Tana (Okayama U.), Nobuo Funabiki (Okayama U.), Toru Nakanishi (Okayama U.) and Noriki Amano (Okayama U.)</i> ISBN 978-4-915256-13-4
14:10 – 14:30	LP The Design of Hospital Discharge Support System for Regional Medical Cooperation <i>Shinji Nagatomi (KyuTech), Masanobu Umeda (KyuTech), Keiichi Katamine (KyuTech) and Kazuhiro Yamaga (KyuTech)</i> ISBN 978-4-915256-14-1
14:30 – 14:50	LP Editing Operation Modeling using Dataflow-Oriented Specification Description Languages for Structural Design Support System <i>Tatsuya Fujino (KyuTech), Masanobu Umeda (KyuTech) and Keiichi Katamine (KyuTech)</i> ISBN 978-4-915256-15-8
14:50 – 15:02	Process Planning Method for Precision and Workability in Cold Forging <i>Yusaku Okayama (KyuTech), Masanobu Umeda (KyuTech), Yuji Mure (Kagoshima Pref. Inst. Indl. Tech.) and Keiichi Katamine (KyuTech)</i> ISBN 978-4-915256-16-5
15:02 – 15:14	A Ubiquitous Color Blind Test Base on Character Matching <i>Mohamad Arif Suryawan (Dayanu Ikhsanuddin U.), Muhammad Mukmin (Dayanu Ikhsanuddin U.), Fadly Shabir (AMIK Rizky Makassar) and Subhan Saleh (STAIN Parepare)</i> ISBN 978-4-915256-17-2
15:14 – 15:26	Quorum Set Systems for Generalized Resource Allocation Problem <i>Dwilya Makiwan (Hasanuddin U.) and Armin Lawi (Hasanuddin U.)</i> ISBN 978-4-915256-18-9
15:26 – 15:40	Coffee Break

Technical Session II

- 15:40 – 16:00 **LP** Comparative Study of SPAM Assassin Filter on Mail Server Postfix
Nurlina (STMIK Dipanegara Makassar), Santi (STMIK Dipanegara Makassar)
and *Abdul Hakim (STMIK Dipanegara Makassar)*
ISBN 978-4-915256-19-6
- 16:00 – 16:20 **LP** Proposal of a Detection Method for SSH Attack Based on SYN Packets
Transmission Interval
Tomoya Kotone (Oita U.), Naomi Nakamoto (Oita U.), Minoru Ikebe (Oita U.)
and *Kazuyuki Yoshida (Oita U.)*
ISBN 978-4-915256-20-2
- 16:20 – 16:40 **LP** Data Compression Scheme with Composition of The Burrows-Wheeler
Transform, Move-to-Front Transform, and Huffman Coding
A.Nurhayati Latief (Hasanuddin U.) and Armin Lawi (Hasanuddin U.)
ISBN 978-4-915256-21-9
- 16:40 – 16:52 Implementing Telemedicine for Isolated and Remote Rural Areas using Delay
Tolerant Network
Mansur As (Muhammadiyah U. Parepare), Amaluddin (Muhammadiyah U.
Parepare) and Ahmad (Muhammadiyah U. Parepare)
ISBN 978-4-915256-22-6
- 16:52 – 17:04 Cow Disease Diagnosis Using Backpropagation Neural Networks
Moh. Alifuddin (Dayanu Ikhsanuddin U.), Billy Eden William Asrul (AMIK
Rizky Makassar), Ery Muchyar H (STMIK Handayani Makassar), Hamdan Gani
(STMIK Tidore) and Fadly Shabir (AMIK Rizky Makassar)
ISBN 978-4-915256-23-3
- 17:04 – 17:16 Wind Power Plant Simulation Computer Based With Dimmer Technique
Musfirah Putri Lukman (STMIK Dipanegara Makassar), Muhammad Faisal
(STMIK Professional), Musa Amin (STIMED Nusa Palapa), Subhan Saleh
(STAIN Parepare), Ery Muchyar (Dayanu Ikhsanuddin U.) and Hamdan Gani
(AMIK Rizky Makassar)
ISBN 978-4-915256-24-0
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- 17:16 – 17:30 **Coffee Break**
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- Keynote Speech**
- 17:30 – 18:30 Achieving Software Quality through Process Improvement
Prof. Hyuksoo Han (Sangmyung Univ.)
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- 19:30 – 21:30 **Reception**
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Friday, 13th December 2013

Technical Session III

- 09:00 – 09:20 **LP** RT-Selection: A Regression Test Selection Technique Using Textual Differencing and Change Impact Analysis
Eui-Sub Kim (Konkuk U.), Dong-Ah Lee (Konkuk U.) and Junbeom Yoo (Konkuk U.)
ISBN 978-4-915256-25-7
- 09:20 – 09:40 **LP** Issue Tracking-Based Test Data Augmentation for Web Services
Junghyun Kwon (KAIST), Matt Staats (U. Luxembourg), In-Young Ko (KAIST) and Gregg Rothermel (U. Nebraska-Lincoln)
ISBN 978-4-915256-26-4
- 09:40 – 10:00 **LP** Role Analysis-Based Automatic Bug Triage Algorithm
Tao Zhang (U. Seoul), Geunseok Yang (U. Seoul), Byungjeong Lee (U. Seoul) and Ilhoon Shin (SEOULTECH)
ISBN 978-4-915256-27-1
- 10:00 – 10:12 Using Agile and Spatial Approach to Modeling Monitoring and Evaluation Information System: Case Study of Manado City, Indonesia
Stanley Karouw (UNSRAT) and Yaulie Rindengan (UNSRAT)
ISBN 978-4-915256-28-8
- 10:12 – 10:24 E-CUBE: An Analysis Tool to Support Three Types of Evolution in Mining Software Repositories
Kazuhiro Yamashita (Kyushu U.) , Yasutaka Kamei (Kyushu U.), Kenji Hisazumi (Kyushu U.) and Naoyasu Ubayashi (Kyushu U.)
ISBN 978-4-915256-29-5
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10:24 – 10:40 **Coffee Break**

Technical Session IV

- 10:40 – 11:00 **LP** Dynamic Binary Translator for Full Virtualizing Spacecraft Computer
Hyeona Jeong (Chungnam National U.), Hyunwoo Joe (Chungnam National U.), Cheolsoo Kwon (Chungnam National U.) and Hyungshin Kim (Chungnam National U.)
ISBN 978-4-915256-30-1
- 11:00 – 11:20 **LP** Introduction of Coroutines for the Self-Reconfigurable Objects
Sho Yamamoto (KyuTech), Mahdillah (KyuTech), Hiromu Saito (KyuTech) and Takaichi Yoshida (KyuTech)
ISBN 978-4-915256-31-8
- 11:20 – 11:40 **LP** A Mechanism for Self-Reconfigurable Objects for an Adaptive Distributed Object-Oriented Environment
Hiromu Saito (KyuTech), Naldy Nirmanto Tjondronegoro (KyuTech), Kyota Hashimoto (KyuTech) and Takaichi Yoshida (KyuTech)
ISBN 978-4-915256-32-5
- 11:40 – 11:52 Checkpointing and Rollback Recovery in Juice System

	<i>Rosmi Yani Amran (KyuTech) and Takaichi Yoshida (KyuTech)</i>	ISBN 978-4-915256-33-2
11:52 – 12:04	Achieving Better Fairness for Multithreaded Programs in Linux using Group Threads Scheduler <i>Samih M. Mostafa (Kyushu U.) and Shigeru Kusakabe (Kyushu U.)</i>	ISBN 978-4-915256-34-9
12:04 – 12:16	Implementation of Automotive Sensor Information Server Platform <i>Go Hirakawa (Iwate Pref. U.) and Yoshitaka Shibata (Iwate Pref. U.)</i>	ISBN 978-4-915256-35-6
12:16 – 12:28	A Workbench for a Socio-Technical Approach in Ontology Engineering <i>Mesnan Silalahi (U. Indonesia), Dana Indra Sensuse (U. Indonesia) and Indra Budi (U. Indonesia)</i>	ISBN 978-4-915256-36-3
12:28 – 13:30	Lunch	
14:00 – 15:30	Excursion: Beppu Hot Spring Hell Tour	
15:30 – 16:00	Moving to Ritsumeikan Asia Pacific Univ. (APU)	
	Welcome Address	
16:10 – 16:20	Welcome Speech <i>Prof. Shun Korenaga (President, APU)</i>	
	Special Lecture	
16:20 – 17:20	Creating International University in Japan: The Promise and Challenge <i>Prof. Porter Edger (Vice President, APU)</i>	
17:20 – 17:50	APU Campus Tour	
18:00 – 20:00	Official Dinner at APU (incl. Performance by APU students)	
20:00 –	Leaving Back to the Hotel	

Saturday, 14th December 2013

Technical Session V

- 09:30 – 09:50 **LP** Mining Contexts for Recommending Source Locations to Explore
Seonah Lee (KAIST) and Sungwon Kang (KAIST)
ISBN 978-4-915256-37-0
- 09:50 – 10:10 **LP** Parallel Execution of Models in GR(1) Synthesis
Ryong Kwo Kwon (Kyonggi U.) and Gihwon Kwon (Kyonggi U.)
ISBN 978-4-915256-39-4
- 10:10 – 10:30 **LP** A 3D Object Modeler Using Motion Sensors
Yuki Teramoto (Oita U.), Hiroaki Nishino (Oita U.) and Tsuneo Kagawa (Oita U.)
ISBN 978-4-915256-40-0
- 10:30 – 10:50 **LP** A Fragrant Video Authoring System Based on Sensitivity Words
Takahiro Ishikawa (Oita U.), Hiroaki Nishino (Oita U.) and Tsuneo Kagawa (Oita U.)
ISBN 978-4-915256-41-7
- 10:50 – 11:10 **LP** Toward Measuring Fatigue by Acceleration Data in a Marathon
Takamichi Toda (KyuTech) and Sozo Inoue (KyuTech)
ISBN 978-4-915256-42-4
- 11:10 – 11:22 Identification of Batik Motive Pattern Based on Object Oriented Using Decision Tree Approach
Mohamad Arif Suryawan (Dayanu Ikhsanuddin U.), Abd Hakim (STMIK Dipanegara Makassar), Santi (STMIK Dipanegara Makassar) and Nirwana (STMIK Dipanegara Makassar)
ISBN 978-4-915256-43-1
- 11:22 – 11:34 Full Body Gesture Recognition Method for Indonesian Traditional (Pakarena) Dance Movements
Ery Muchyar Hasiri (Dayanu Ikhsanuddin U.), Hamdan Gani (AMIK Rizky Makassar), Billy Eden William Asrul (STMIK Handayani Makassar), Mardiah (STMIK Tidore Mandiri) and Musfirah Putri Lukman (AMIK Rizky Makassar)
ISBN 978-4-915256-44-8
- 11:34 – 11:46 Intelligent System for Tea Leaf Disease Detection
Muh Ismail (U. Islam Negeri Alauddin Makassar) and Mustikasari (U. Islam Negeri Alauddin Makassar)
ISBN 978-4-915256-45-5
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- 11:46 – 12:00 **Closing**
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- 12:00 – 13:00 **Lunch**
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