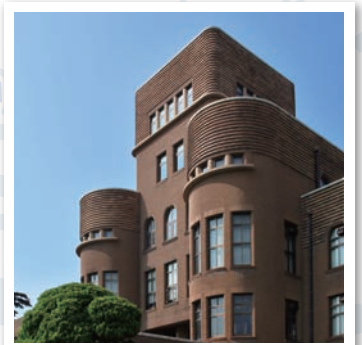
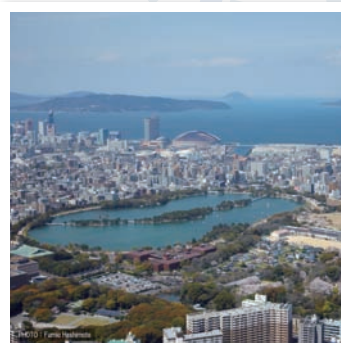


Program
of
IIAI AAI 2012
**IIAI International Conference
on Advanced Applied Informatics**

September 20 - 22, 2012
Kyushu University, Fukuoka, Japan



Message from the Conference General Chair

Welcome to AAI 2012. Welcome to Fukuoka, Japan.

The 1st IIAI International Conference on Advanced Applied Informatics (IIAI-AAI 2012) is sponsored by the International Institute of Applied Informatics, Japan in cooperation with Kyushu University. The conference is held at Kyushu University, Fukuoka, Japan.

The purpose of AAI is to bring together researchers and practitioners from academia, industry, and government to exchange their research ideas and results and to discuss the state of the art in the areas of the conference. Three sub-conferences, the 3rd International Conference on e-Services and Knowledge Management (ESKM), the 1st International Conference on Learning Technologies and Learning Environments (LTLE) and the 1st International Conference on Institutional Research and Institutional Management (IRIM) are held with the AAI 2012. The AAI has general sessions and proposed 5 special sessions. In addition, the participants of the conference will have a chance to hear from renowned invited speakers Prof. Sung-Hyon Myaeng of KAIST, Korea, Prof. Chin-Chung Tsai of National Taiwan University of Science and Technology, Taiwan, and Prof. Masashi Sekiguchi of Kyushu University, Japan.



We would like to thank the Program Chair Dr. Kiyota Hashimoto, the Local Arrangement Chair Dr. Tetsuya Nakatoh, the organization staff, and the members of the Program Committee for their hard work. And most importantly, we would like to thank all the authors for sharing their ideas and experiences through their outstanding papers contributed to the conference. I hope that AAI 2012 will be successful and enjoyable to all participants.

Sachio Hirokawa
Kyushu University, Japan
Conference General Chair, AAI2012

Message from the Program Chair

Welcome to the 1st IIAI International Conference on Advanced Applied Informatics (IIAI-AAI 2012), sponsored by the International Institute of Applied Informatics, Japan in cooperation with Kyushu University in Japan. This conference consists of three subconferences to cover a wide range of topics of applied informatics:

ESKM... International Conference on e-Services and Knowledge Management

LTLE... International Conference on Learning Technologies and Learning Environments

IRIM... International Conference on Institutional Research and Institutional Management



Each subconferences and their topics of interest are related to each other: the biggest current area of applications of information and communication technologies is service industries where e-Services and knowledge management with big data are essential; education is all the more important in this fast-changing, globalized world where borderless services are provided; and better management of educational institutions are the basis for better education. Thus, IIAI-AAI 2012 provides an international forum for researchers, scientists, engineers, industry practitioners, and students throughout the world to share their experiences, new ideas, and research results on all aspects of computer and information science.

The conference received a total submission of 180 papers from 10 different countries/regions. These papers are refereed by 61 Program Committee Members. After careful review, 52 papers were selected as regular papers and 22 papers were selected as short/poster papers to be presented at the conference and published in the conference proceedings. We would like to thank all the researchers who submitted papers to this conference and we are very happy to have with us those who are accepted.

On behalf of IIAI and the organizing committee, I would like to express my sincere appreciation to the following people: the conference general chair, Dr. Sachio Hirokawa who supervised and personally contributed to every step including paper review and session organization; program chairs of ESKM, LTLE, and IRIM, Eisuke Ito, Chengjiu Yin, and Masao Mori, respectively, among others, for their valuable contributions not only to their subconferences but also to the whole IIAI-AAI 2012; the honorary chair Dr. Setsuo Arikawa, President of Kyushu University; keynote speakers Prof. Sung-Hyon Myaeng of KAIST, Prof. Chin-Chung Tsai of National Taiwan University of Science and Technology, and Prof. Masashi Sekiguchi of Kyushu University; the members of the Program Committee and secondary reviewers who contributed a great amount of their time to evaluate the submissions to maintain the quality of the conference; the local arrangement chair, Dr. Tetsuya Nakatoh of Kyushu University; finance and publication chair, Dr. Tokuro Matsuo, Tokyo Metropolitan University; all the other organizing chairs for their valuable contributions; special session chairs; the session chairs who presided over the sessions; and all the authors, attendees, and presenters who really made this conference possible and successful. Last but not least, I would also like to express my special gratitude to institutions, associations and companies to support the conference.

We hope you will enjoy the conference and enjoy your stay in Fukuoka, Japan!

Kiyota Hashimoto
Osaka Prefecture University, Japan
Program Chair, AAI2012

Organizations

IIAI AAI 2012

Honorary Chair

Dr. Setsuo Arikawa (President, Kyushu University, Japan)

General Chair

Sachio Hirokawa, Kyushu University, Japan

Program Chair

Kiyota Hashimoto, Osaka Prefecture University, Japan

Finance Chair / Publication Chair

Tokuro Matsuo, Tokyo Metropolitan University, Japan

Local Arrangement Chair

Tetsuya Nakatoh, Kyushu University, Japan

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Yamagata University

Personal Computer Society (JPCATS)

The Association for Promotion of Public Local Information and Communication (APPLIC)

Japan Association of Higher Education Research

Japan National Tourism Organization

Organizations

IIAI ESKM 2012

3rd IIAI International Conference on e-Services and Knowledge Management

Honorary Chair

Dr. Setsuo Arikawa (President, Kyushu University, Japan)

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Sachio Hirokawa, Kyushu University, Japan

Publicity Co-chair

Ricardo Colomo-Palacios, Universidad Carlos III de Madrid, Spain

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Eisuke Ito, Kyushu University, Japan

Finance Chair / Publication Chair

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Local Arrangement Chair

Tetsuya Nakatoh, Kyushu University, Japan

IIAI LTLE 2012

1st IIAI International Conference on Learning Technologies and Learning Environments

Honorary Chair

Dr. Setsuo Arikawa (President, Kyushu University, Japan)

General Chair

Gwo-Jen Hwang, National Taiwan University of Science and Technology, Taiwan

Hiroaki Ogata, the University of Tokushima, Japan

Organizing Chairs

Akihiro Kashiara, The University of Electro-Communications, Japan

Oscar Fuhua Lin, Athabasca University, Canada

Advisor

Naomi Fujimura, Kyushu University, Japan

Local Chairs

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Okhwa Lee, Chungbuk National University, Korea

Steering Committee Chair

Sachio Hirokawa, Kyushu University, Japan

Local Arrangement Chair

Tetsuya Nakatoh, Kyushu University, Japan

IIAI IRIM 2012

1st IIAI International Conference on Institutional Research and Institutional Management

Honorary Chair

Dr. Setsuo Arikawa (President, Kyushu University, Japan)

General Chair

Reiko Yamada, Doshisha University, Japan

Program Committee Chairs

Tomoko Torii, Ritsumeikan University, Japan

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Tokuro Matsuo, Tokyo Metropolitan University, Japan

Local Arrangement Chair

Tetsuya Nakatoh, Kyushu University, Japan

Keynote Speeches

ESKM 2012 Keynote Speech

"Towards a social memory: human experience mining and semantic social networks"

Sung Hyon Myaeng

Web Science & Technology Division,
Department of Computer Science, KAIST, Daejeon, Korea



Dr. Sung-Hyon Myaeng is currently a professor of Computer Science and the head of Web Science & Technology Division at Korea Advanced Institute of Science and Technology (KAIST), which is sponsored by the WCU program of Ministry of Education, Science, & Technology. He is also the Director of KAIST-Microsoft Research Collaboration Center (KMCC). Previously he was on the faculty at Syracuse University, USA, where he was granted tenure. He earned his MS and Ph. D. from Southern Methodist University, Texas, USA in 1985 and 1987, respectively.

His current research interests are: information retrieval (esp. contextual ad searching, mobile searching, & text analysis for unconventional search criteria), text mining (opinion mining, trend analysis, relation extraction, & categorization), and context-aware computing including extraction and use of commonsense knowledge, especially in human activities.

He has been on editorial boards of international journals including ACM Transactions on Asian Language Information Processing (TALIP) and Journal of Computer Processing of Oriental Languages (JCPOL), both as an associate editor, and Information Processing and Management. He also has served on program committees of many reputable international conferences in the areas of information retrieval, natural language processing, and digital libraries, including his role as a co-program chair for ACM SIGIR, 2002 and 2008.

In 2008, he won an award from Microsoft Research, based on global competition for the RFP 'Beyond Search - Semantic Computing and Internet Economics'. Recently in 2011, he received an outstanding faculty contribution award from KAIST for increasing its visibility through his international activities. He received Digital Innovation Award from Hankookilbo (Korea Daily) in 2002 for the development of a new technique called Virtual Document Digital Library System.

LTLE 2012 Keynote Speech

"Conceptions of learning in technology-enhanced learning environments"

Chin-Chung Tsai

Graduate Institute of Digital Learning and Education, National Taiwan University of Science and Technology



Chin-Chung Tsai holds a Bachelor of Science degree in physics from National Taiwan Normal University, Taiwan. He received a Master of Education degree from Harvard University and a Master of Science degree from Teachers College, Columbia University. He completed his doctoral study also at Teachers College, Columbia University, 1996. From 1996-2006, he joined the faculty at Institute of Education, National Chiao Tung University, Hsinchu, Taiwan. He is currently a chair professor at Graduate Institute of Digital Learning and Education, National Taiwan University of Science and Technology, Taiwan (e-mail: cctsai@mail.ntust.edu.tw). He is now also the co-editor for the journal *Computers & Education*. His research interests deal largely with epistemic beliefs, science education, and Internet-based instruction. In the past 5 years, he has published more than 50 papers in English-based international journals.

IRIM 2012 Keynote Speech

"Internal Quality Assurance and Improvement of Universities Utilizing Institutional Research"

Masashi Sekiguchi

Graduate School of Law, Kyushu University



Masashi Sekiguchi, Ph.D., is a professor of the graduate school of law and the subhead of institutional research office at Kyushu University. Professor Sekiguchi is one of the pioneers and leaders of Japanese university evaluation and accreditation. He has been working for Japanese university evaluation and accreditation from 2000, as an external member of JUAA and NIAD, and an external review member of some Japanese national universities. At the dawn of Japanese university evaluation, he published a practical manual of university evaluation for educational improvement from Kyushu University Press in 2004.

Session Time Table

September 20 (Thu)		Hall	Lecture Room A	Lecture Room B
		Registration		
10:30 – 11:00		【Hall】 Opening		
11:00 – 12:00	60 min.	【Hall】 Keynote speech: ESKM Sung Hyon Myaeng (KAIST)		
12:00 – 13:30		Lunch		
13:30 – 15:30	120 min.	Special Session - Data and Knowledge Mining for Ever-Changing World	ESKM 1	LTLE 1
15:30 – 16:00		Coffee Break		
16:00 – 17:40	100 min.	Special Session - Tourism Information and Its Application	ESKM 2	LTLE 2
19:00 - 20:00		Reception		

September 21 (Fri)		Hall	Lecture Room A	Lecture Room B
10:00 – 11:20	80 min.	IRIM 1	Special Session - Library Science	Special Session - Knowledge Creation and Information Technology
11:20 – 11:30		Coffee Break		
11:30 – 12:30	60 min.	【Hall】 Keynote speech: LTLE Chin-Chung Tsai (National Taiwan University of Science and Technology)		
12:30 – 14:00		Lunch		
14:00 – 15:40	100 min.	MJIR1	ESKM 3	Special Session - Web Social Intelligence and Agent System
15:40 – 16:00		Coffee break		
16:00 – 17:40	100 min.	Poster Session	ESKM 4 + IWEA	LTLE3
19:00 - 21:00		Banquet		

September 22 (Sat)		Hall	Lecture Room A	Lecture Room B
10:00 – 11:20	80 min.	IRIM 2		LTLE4
11:20 – 11:30		Coffee Break		
11:30 – 12:30	1hr	【Hall】 Keynote speech: IRIM Masashi Sekiguchi (Kyushu University)		
		Closing		
12:30 – 14:00		Lunch		
14:00 – 15:40	100 min.	MJIR2		

Program

Thursday, September 20

Registration

10:30 – 11:00

Opening **Hall**

11:00 – 12:00

Keynote speech: ESKM **Hall**

Sung Hyon Myaeng (KAIST)

12:00 – 13:30

Lunch

13:30 – 15:30

【Session 1: SS_Mi, ESKM1, LTLE1】

Special Session - Data and Knowledge Mining for Ever-Changing World **Hall**

Analysis of Multiplexed Parse Trees for Almost Instantaneous VF Codes

Satoshi Yoshida and Takuya Kida (Hokkaido University, Japan)

Automatic Information Extraction of Experiments from Nanodevices Development Papers

Thaer M. Dieb and Masaharu Yoshioka (Hokkaido University, Japan)

Finding What Changes for Two Graphs Constructed from Different Time Intervals

Aixiang Li, Makoto Haraguchi, Yoshiaki Okubo and Etsuji Tomita (Hokkaido University, Japan)

Mining Approximate Substring Patterns with Frequent Locally Optimal Occurrences

Atsuyoshi Nakamura, Hisashi Tosaka and Mineichi Kudo (Hokkaido University, Japan)

Pattern Mining from Trajectory GPS Data

Xiaoliang Geng, Hiroki Arimura and Takeaki Uno (Hokkaido University, Japan)

Trajectory Pattern Matching Based on Bit-Parallel for Large GPS

Hirohito Sasakawa and Hiroki Arimura (Hokkaido University, Japan)

Session - ESKM 1 **Lecture Room A**

Balance: A Key Factor For the Evaluation of Semantic Web Application

Haibo Yu, Mine Tsunenori, Makoto Amamiya (Shanghai Jiao Tong University, China)

Extraction of Relevant Snippets from Web Pages Using Hybrid Features

Jun Zeng, Qingyu Xion, Junhao Wen, Sachio Hirokawa (Kyushu University, Japan)

Search Engine Focused on Multiple Features of Scientific Articles

Toshihiko Sakai, Brendan Flanagan, Jun Zeng, Tetsuya Nakatoh, Sachio Hirokawa
(Kyushu University, Japan)

Translating XML Documents through Dyck-Typed Regular Translation Elementary Formal Systems

Noriko Sugimoto, Kouichi Hirata (Kyushu Institute of Technology, Japan)

Session - LTLE 1 (Session Chair: Kenji Matsuura) Lecture Room B

Designing a Streamlined Viewport Strategy System to Enhance Performance in Context Awareness in Mobile Learning Environments

Jia Zhang, Huei-Tse Hou, Kuo-En Chang (National Taiwan Normal University, Taiwan)

Mobile-based blended instruction in a foreign language classrooms as a model of enhancing learners' attitude

Yuichi Ono, Mitsuo Yamashiro, Manabu Ishihara
(Tsukuba University Foreign Language Center, Japan)

Simulation Teaching in 3D Augmented Reality Environment

Su Cai, Xu Wang, Mengnan Gao, Shengquan Yu (Beijing Normal University; Beihang University, China)

Supporting development of motor-skills in a comfortable environment

Kenji Matsuura, Kazuhide Kanenishi, Hiroki Moriguchi (The University of Tokushima, Japan)

Using the Multi-Mouse Quiz System for Quiz Making Activities in an Elementary School

Juan Zhou, Mikihiko Mori, Hajime Kita (Graduate School of Informatics, Kyoto University, Japan)

15:30 – 16:00

Coffee Break

16:00 – 17:40

【Session 2: SS_Tr, ESKM2, LTLE2】

Special Session - Tourism Information and Its Application Hall

A Method to Search Accommodations System by Focusing on Guest's Taste

Ryotaro Kawaishi, Fumito Masui, Yasunari Maeda, Fumitaro Goto and Hiroshi Masui
(Kitami Institute of Technology, Japan)

An active learning based support tool for extracting hints of tourism development from blog articles

Masato Tokuhisa, Hiroshi Shahana, Masaki Murata and Jin'ichi Murakami
(Tottori University, Japan)

Construction of a System for Providing Travel Information along Hiroden Streetcar Lines

Aya Ishino, Hidetsugu Nanba and Toshiyuki Takezawa (Hiroshima City University, Japan)

Extraction of Tourist Behavior Contexts from Blog by Verbs and Their Objects

Tetsuya Nakatoh and Sachio Hirokawa (Kyushu University, Japan)

On-site likelihood identification of tweets for tourism information analysis

Kazutaka Shimada, Shunsuke Inoue, and Tsutomu Endo (Kyushu Institute of Technology, Japan)

Session - ESKM 2 Lecture Room A

A M2M system using Arduino, Android and Wiki Software

Takashi Yamanoue, Kentaro Oda, Koichi Shimosono (Kagoshima University, Japan)

An Evaluation of Accelerated Fingerprint Identification Algorithm with SIFT Features

Ali Awad, Kensuke Baba (Kyushu University, Japan)

Hiding of User Presence for Privacy Preserving Data Mining

Takao Takenouchi, Takahiro Kawamura, Akihiko Ohsuga (NEC Corporation, Japan)

Improving Service Level Management Practices: A Case Study

Marko Jaentti, Antti Suhonen, (University of Eastern Finland, School of Computing, Kuopio, Finland)

Near friends communication encouragement system using NFC and SNS

Hiroaki Ninomiya, Eisuke Ito, Brendan Flanagan, Sachio Hirokawa (Kyushu University, Japan)

Session - LTLE 2 (Session Chair: Ju-Ling Shih) Lecture Room B

A Customizable Language Learning Support System using Course-centered Ontology and Teaching Method Ontology

Jingyun Wang, Takahiko Mendori

(Kochi University of Technology/Xiamen University of Technology, Japan&China)

Emotion Labyrinth: Learning to Rationalize Emotions through 3D Game Environment

Ju-Ling Shih, Yu-Jen Hsu, Chien-Huang Chen (National University of Tainan, Taiwan)

Learning Log Navigator : Augmented Awareness Past Learning Experience

Kousuke Mouri, Hiroaki Ogata, Mengmeng Li, Bin Hou, Noriko Uosaki
(University of Tokushima, Japan)

Mistake discovery and generation of exercises automaticity in context

Chengjiu Yin, Sachio Hirokawa, Brendan Flanagan, Takahiko Suzuki, Yoshiyuki Tabata
(Kyushu University, Japan)

19:00 - 20:00

Reception

Friday, September 21

10:00 – 11:20

【Session 3: IRIM1, SS_LS, SS_KC】

Session - IRIM 1 Hall

Connecting Institutional Repository with Researcher Database

Masao Mori, Toshie Tanaka, Kensuke Baba (Kyushu University, Japan)

A Research Design for Observing Organizational Transformations in Universities: With a Focus on Abolishment of Research Centers

Kenta Kaneko (Kyushu University, Japan)

Database as a Tool for Visualization of Institutional Information, A Case Study of KOBE University Information Database (KUID)

Shigeru Asano, Itsuo Hatono (Kobe University, Japan)

The Development of JCIRP: Self-reported Survey System to Assess Student Learning Outcomes

Reiko Yamada (Doshisha University, Japan)

Special Session - Library Science Lecture Room A

A Linked Data Model for E-books

Kornschnok Dittawit and Vilas Wuwongse (Computer Science and Information Management, Asian Institute of Technology, Thailand)

Development of a Website to Collect and Provide Questions Posted in Blogs and on Twitter

Shunsuke ARAI and Keita TSUJI (Graduate School of Library, Information and Media Studies, University of Tsukuba, Japan)

Formalization of Paper-registration Process to Institutional Repository

Koji Sakaguchi, Satoshi Nakayama, and Kensuke Baba (Library, Kyushu University, Japan)

Information behaviour of Thai adolescent in electronic age

Jutharat Changthong, Lampang Manmart, and Chollabhas Vongprasert (Information Studies Program, Khon Kaen University, Thailand)

Investigation of Interest Range and Earnestness of Library Patrons from Circulation Records

Toshiro Minami and Kensuke Baba (Kyushu Institute of Information Sciences, Japan)

On the Use of Library Loan Records for Book Recommendation

Keita Tsuji, Erika Kuroo, Sho Sato, Ui Ikeuchi, Atsushi Ikeuchi, Fuyuki Yoshikane and Hiroshi Itsumura (Faculty of Library, Information and Media Science, University of Tsukuba, Japan)

Special Session - Knowledge Creation and Information Technology Lecture Room B

A Development of Stress Management System using Heart-Rate Monitor

Tomohiro Takahashi, Satoshi Kaga, Hidehiko Hayashi, Akinori Minazuki
(Kushiro Public University, Japan)

Research of Intelligent Search Engine Using Web Camera

Ma Wen Peng, Akinori Minazuki, Hidehiko Hayashi (Naruto University of Education, Japan)

Research on the decision-making process by Communication Specialist (CS) in the navigation management of Helicopter Emergency Medical Service (HEMS)

Tatsuru Nagata, Misaki Konishi, Hidehiko Hayashi, Akinori Minazuki
(Kushiro Public University, Japan)

Study on 3D Image Assessment Using Motion Capture System

Ma Huan, Akinori Minazuki, Hidehiko Hayashi (Naruto University of Education, Japan)

11:20 – 11:30

Coffee Break

11:30 – 12:30

Keynote speech: LTLE **Hall**

Chin-Chung Tsai (National Taiwan University of Science and Technology)

12:30 – 14:00

Lunch

14:00 – 15:40

【Session 4: MJIR1, ESKM3, SS_Ag】

Session - MJIR1 **Hall**

Session - ESKM 3 **Lecture Room A**

A Framework for Segmenting Customers based on Probability Density of Transaction Data

Ke Lu, Tetsuya Furukawa (Dept. Economic Engineering, Kyushu University, Japan)

A Weighted Cluster-based Chinese Text Categorization Approach: Incorporating with Word Clusters

Yu-Chieh Wu, Jie-Chi Yang (National Central University, Taiwan)

Web Learning Contents for Reducing Mistake on Video Program Produce Based on Failure Episodic Knowledge

Norihiro Nishio, Manabu Tonishi, Takahiro Sugiyama (Mejiro University, Japan)

Mining Pure Patterns in Texts

Yasuhiro Yamada, Tetsuya Nakatoh, Kensuke Baba, Daisuke Ikeda (Shimane University, Japan)

Special Session - Web Social Intelligence and Agent System **Lecture Room B**

A Real-Time Collaborative Web Page Editing System WFE-S based on Cloud Computing Environment

Tadachika Ozono, Robin M. E. Swezey, Shun Shiramatsu, Toramatsu Shintani, Ryota Inoue, Yudai Kato, Takushi Goda (Dept. of Computer Science and Engineering Graduate School of Engineering, Nagoya Institute of Technology, Japan)

A SPARQL Query Rewriting Approach on Heterogeneous Ontologies with Mapping Reliability
Takahisa Fujino, Naoki Fukuta (Faculty of Informatics, Shizuoka University, Japan)

A Web Agent Based on Exploratory event mining in social media

Norifumi Hirata, Hiroyuki Sano, Robin M. E. Swezey, Shun Shiramatsu, Tadachika Ozono, Toramatsu Shintani (Dept. of Computer Science and Engineering Graduate School of Engineering, Nagoya Institute of Technology, Japan)

Differential Synchronizaiton Mechanism for a Real-Time Collaborative Web Page Editing System WFE-S

Tadachika Ozono, Robin M. E. Swezey, Shun Shiramatsu, Toramatsu Shintani, Ryota Inoue, Yudai Kato, Takushi Goda (Dept. of Computer Science and Engineering Graduate School of Engineering, Nagoya Institute of Technology, Japan)

Gathering Public Concerns from Web towards Building Corpus of Japanese Regional Concerns

Shun Shiramatsu, Norifumi Hirata, Robin M. E. Swezey, Hiroyuki Sano, Tadachika Ozono, and Toramatsu Shintani (Dept. of Computer Science and Engineering Graduate School of Engineering, Nagoya Institute of Technology, Japan)

15:40 – 16:00

Coffee break

16:00 – 17:40

【Session 5: Poster, LTLE3, ESKM4+IWEA】

Session - Poster **Hall**

Analysis of Shrimp's Mating Motion Using CHLAC feature

Takahito Oishi, Baigalmaa Tsagaan, Hiromasa Nakatani (Shizuoka University, Japan)

Document analysis for traditional Mongolian script

Hisashi Oshiro, Baigalmaa Tsagaan, Hiromasa Nakatani (Shizuoka University, Japan)

Image feature extraction from tea leaf for measuring the degree of tea steaming

Yuya Kamisoyama, Baigalmaa Tsagaan, Takahiro Sugiyama, Hiromasa Nakatani, Tadahiro Kitahashi (Shizuoka University, Japan)

Evaluation of Educational achievement

Makoto Nakajima, Yoshifumi Nakanishi, Manabu Minami (Mie University, Japan)

Human Motion Mining Supporting System using Microsoft Kinect

Youji Ochi, Yuya Takeda (Kinki University, Japan)

The Cyclical Form Web-site Type Database of “Family Social Work in the Community-based

Parenting Support Service Centers” for Re-education Program with Current Professional Service Providers

Yasuhiro Niikawa (Kansai University of Welfare Science, Japan)

Session - ESKM 4 + IWEA **Lecture Room A**

Acquisition of Characteristic TTSP Graph Patterns by Genetic Programming

Satoshi Nagai, Tetsuhiro Miyahara, Yusuke Suzuki, Tomoyuki Uchida
(Hiroshima City University, Japan)

An Isolated-Subtree Inclusion for Unordered Trees

Takahiro Hokazono, Tomohiro Kan, Yoshiyuki Yamamoto, Kouichi Hirata (Kyushu Institute of Technology, Japan)

NNRMLR: A Combined Method of Nearest Neighbor Regression and Multiple Linear Regression

Hideo Hirose, Yusuke Soejima, Kei Hirose (Kyushu Institute of Technology, Japan)

A Study on Effect of IP performance degradation on Horizontal Sound Localization in a VoIP Phone Service with 3D Sound Effects

Yoshihiro Ito, Toru Tahara, Susumu Kuroyanagi (Nagoya Institute of Technology, Japan)

Session - LTLE3 (Session Chair: Jie-Chi Yan) **Lecture Room B**

A Template Independent Method for Large Online News Content Extraction

Yu-Chieh Wu, Jie-Chi Yang (Ming-Chuan University, Taiwan)

Effect of Learning Styles on Students' Motivation in Digital Game-based Learning

Han-Yu Sung, Gwo-Jen Hwang, Chun-Ming Hung, I-Wen Huang
(National Taiwan University of Science and Technology, Taiwan)

The Clusters of Gaming Behavior in MMORPG: A Case Study in Taiwan

Shih-Ting Wang, Jie-Chi Yang, Sherry Y. Chen, Wen-Chi Kuo
(Graduate Institute of Network Learning Technology National Central University, Taiwan)

Using SenseCam for Capturing Ubiquitous Learning Log

Bin Hou, Hiroaki Ogata, Mengmeng Li, Noriko Uosaki (The University of Tokushima, Japan)

19:00 - 21:00

Banquet

Saturday, September 22

10:00 – 11:20

【Session 6: IRIM2, LTLE4】

Session - IRIM 2 Hall

Development of Comprehensive I-E-O Model Incorporating Alternative Engagement

Soichiro Aihara (Osaka Kun-ei Women's College, Japan)

Necessity of Self-study Design for Quality Assurance in Japan

Tsutomu Yamada (Ritsumeikan Trust, Japan)

Quality Assurance Using Qualifying Examinations in University Classes

Katsuichi Higuchi (Kobe Kaisei College, Japan)

Students' Learning Experiences and Their Outcomes : A Preliminary Study of Its Relationship in Japan

Tomoko Torii, Takashi Kawanabe (Ritsumeikan University, Japan)

Session - LTLE4 (Session Chair: Hiroaki Ogata) Lecture Room B

Backchannel of Interactions in Class

Chie Oishi, Akihiro Kashihara (Graduate School of Informatics and Engineering, The University of Electro-Communications, Japan)

Estimating word difficulty using semantic descriptions in dictionaries and Web data

Kiyoaki Nakanishi, Nobuyuki Kobayashi, Hiromitsu Shiina, Fumio Kitagawa
(Faculty of Informatics, Okayama University of Science, Japan)

Extracting Topic Changes through Word Co-occurrence Graphs from Japanese subtitles of VOD Lecture

Nobuyuki KOBAYASHI, Noboru KOYAMA, Hiromitsu SHIINA, Fumio KITAGAWA
(Faculty of Human Sciences, Sanyo Gakuen University, Japan)

Preschool Teachers' Internet Attitude and Their Internet Self-efficacy: A Comparative Study between Pre-service and In-service Teachers in Taiwan

Yi-Hui Lin, Jyh-Chong Liang (National Taiwan Normal University, Taiwan)

11:20 – 11:30

Coffee Break

11:30 – 12:30

Keynote speech: IRIM Hall

Masashi Sekiguchi (Kyushu University)

12:30 – 14:00

Lunch

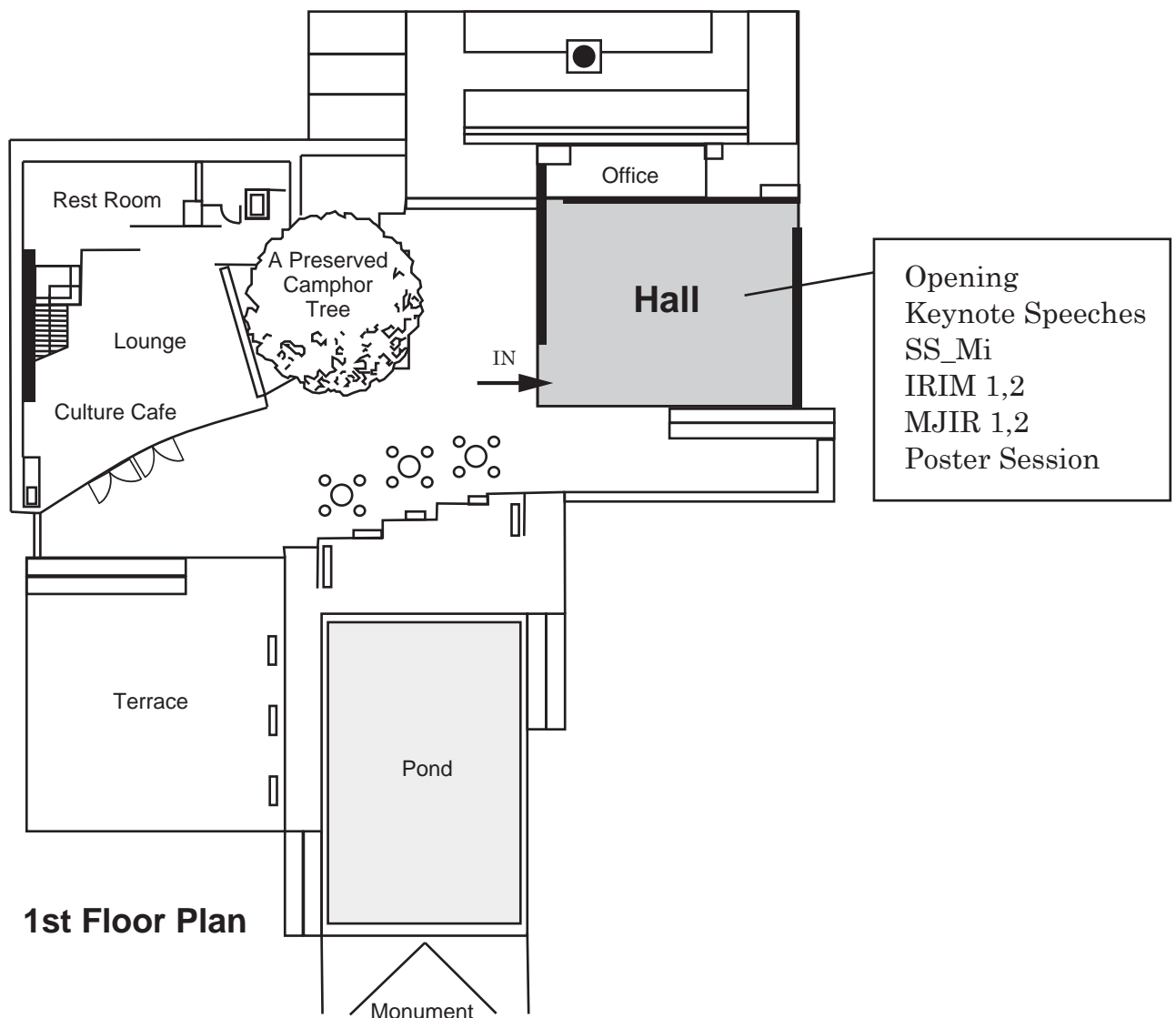
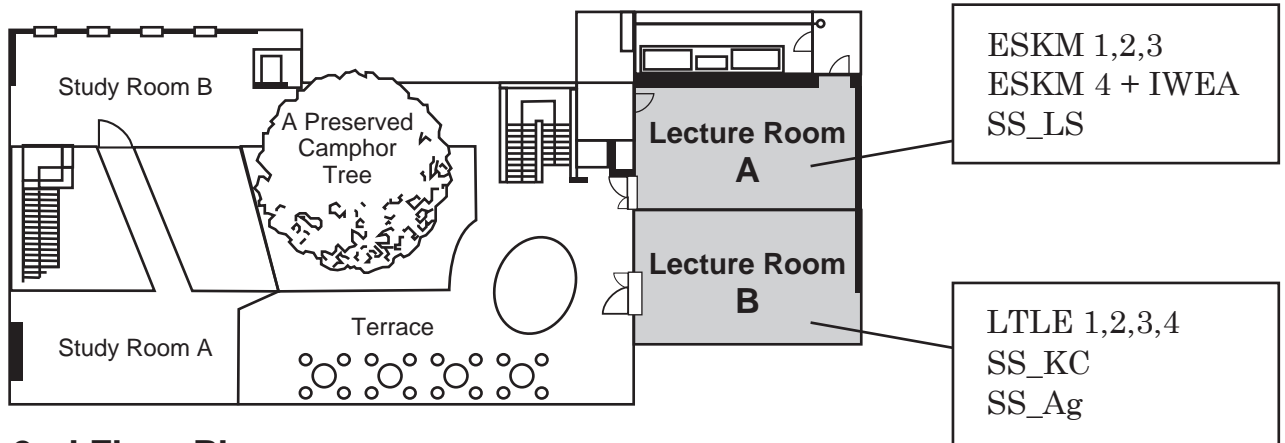
14:00 – 15:40

Session 6: MJIR2 Hall

Session - MJIR 2

AAI2012 Venue

21st Century Plaza I, Kyushu University



Access to Hakozaki Campus, Kyushu University

[Route1] Fukuoka-kuko(Airport) [K13] → (Subway Kuko Line) → Nakasu-Kawabata Station [K09]

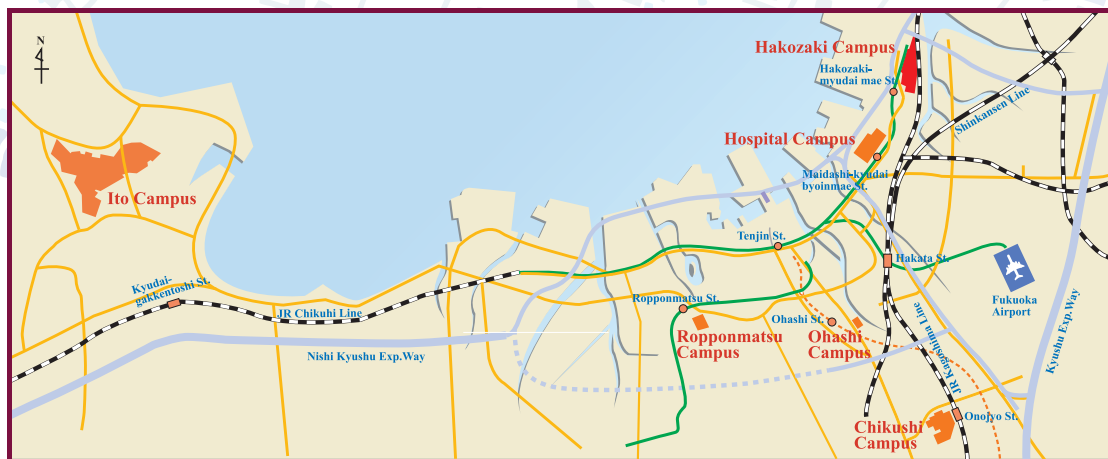
→ (Transfer Subway Hakozaki Line) → Hakozaki-kyudaimae Station [H06]

→ 2 Exit → Hakozaki Campus

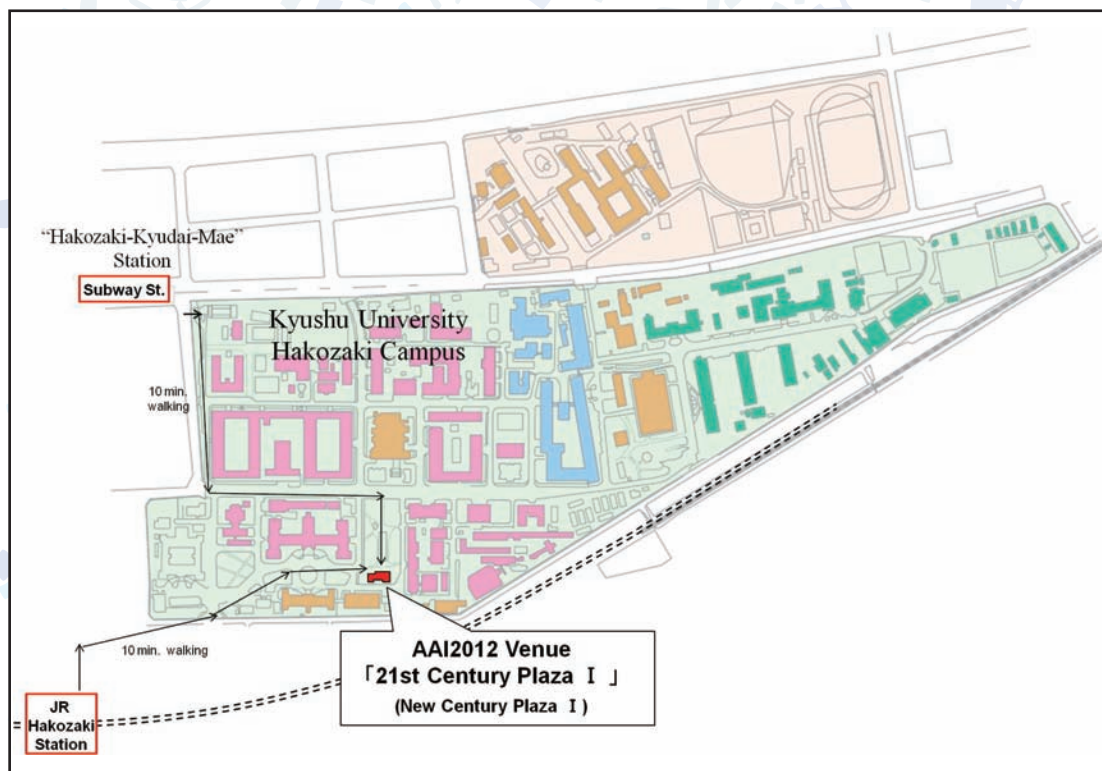
[Route2] Fukuoka-kuko(Airport) [K13] → (Subway Kuko Line) → Hakata Station [K11]

→ (Transfer JR Kagoshima Line) → Hakozaki Station

→ 西口(West Entrance) → Hakozaki Campus



Hakozaki Campus Map



[cover photos] Provided by the City of Fukuoka.
left: Ohori Park
center: Hakozaki Shrine
right: Kyushu University Hakozaki Campus