



**13th ACIS International Conference on Software Engineering,
Artificial Intelligence, Networking and Parallel/Distributed Computing
(SNPD 2012)**

Campus Plaza Kyoto, Kyoto, Japan

Final Technical Program

Tuesday, 7 August 2012

15:00-18:00	Registration	<i>Room: Foyer (2F)</i>
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Wednesday, 8 August 2012

9:00-16:00	Registration	<i>Room: Foyer (2F)</i>
9:20-9:40	Opening Ceremony	<i>Room: Hall (2F)</i>
9:40-10:40	Keynote Speaker (1) Session Chair: <i>Yucong Duan</i> Scalable RFID Security Protocol <i>Morshed U. Chowdhury</i> <i>Deakin University, Melbourne, Australia</i>	<i>Room: Hall (2F)</i>
10:40-11:40	Keynote Speaker (2) Session Chair: <i>Nobuhiro Inuzuka</i> Research Trend of Development Technologies for Automotive Control Software <i>Noriyoshi Sano</i> <i>Research manager in Software Science Laboratory, Information and Electronics Research Division,</i> <i>Toyota Central R&D Labs., Inc., Japan</i>	<i>Room: Hall (2F)</i>
11:40-13:10	Lunch (complimentary)	
13:10-15:10	Session 1A: Communication Systems, Network Security, and Systems Session Chair: <i>Morshed U. Chowdhury</i>	<i>Room: Meeting Room 3 (2F)</i>
	Pricing Model and Real Options in 4G LTE Mobile Network <i>Wichian Premchaiswadi and Santi Pattanavichai</i>	
	Admission control strategy of Serving Peers in P2P VoD Systems <i>Yanqin Zhu, Jianjun Bian, Qijin Ji and Haojun Zhang</i>	
	StenoCipher to Provide Data Confidentiality and Tampered Data Recovery for RFID Tag <i>Biplob Ray, Morshed Chowdhury and Jemal Abawajy</i>	

Understanding Botnet: From Mathematical Modelling to Integrated Detection & Mitigation Framework

Solomon Haile Tefera, Yong Wang and Yonas Kibret Beshah

Error Prediction Methods for Embedded Software Development using Hybrid Models of Self-Organizing Maps and Multiple Regression Analyses

Kazunori Iwata, Toyoshiro Nakasima, Yoshiyuki Anan and Naohiro Ishii

Shared-Cache Simulation for Multi-core System with LRU2-MRU Collaborative Cache Replacement Algorithm

Shan Ding, Shiya Liu and Yuanyuan Li

Session 1B: Multimedia and Kansei Engineering

Session Co-Chairs: *Kenji Ozawa, Shuichi Sakamoto*

Room: Exercise Room 3 (5F)

On the Tendency of Arousing Mental States with Strong Emotion by Presenting Audiovisual Materials

Yusuke Nakata, Teruhisa Hochin and Hiroki Nomiya

Estimation of Kandoh Degree with Emphasis on Spatial Sound Impressions

Satoshi Oode and Akio Ando

Physical Factors and Spatial Impressions of Surround Sound Recording

Toru Kamekawa and Atsushi Marui

Digital Archive for Japanese Intangible Cultural Heritage Based on Reproduction of High-fidelity Sound Field in Yamahoko Parade of Gion Festival

Takahiro Fukumori, Takanobu Nishiura and Yoichi Yamashita

Evaluation of Realism of Dynamic Sound Space using a Virtual Auditory Display

Yukio Iwaya, Masashi Toyoda, Makoto OTANI and Yoiti SUZUKI

Kansei Estimation Models for the Sense of Presence in Audio-Visual Content with Different Audio Reproduction Methods

Kenji Ozawa, Mashashi Obinata and Yuichiro Kinoshita

Session 1C: Information Processing for Images and Human Behavior

Session Chair: *Satoshi Takahashi*

Room: Exercise Room 4 (5F)

An Improved Image Segmentation Algorithm Based on the Otsu Method

Mengxing Huang, Wenjiao Yu and Donghai Zhu

Person Identification Using Top-view Image with Depth Information

Daichi Kouno, Kazutaka Shimada and Tsutomu Endo

An Improvement of Basic Mouth Shape Detection Rate from Japanese Utterance Image Sequence Using Optical Flow

Tsuyoshi Miyazaki, Toyoshiro Nakashima and Naohiro Ishii

Grouping of Beginner's Programming Ability for the Animation Creation by Using Cluster Analysis

Chieko Matsuyama, Toyoshiro Nakashima and Naohiro Ishii

Taking Lifelog Videos and Managing Impressive Scenes

Atsushi Morikuni, Hiroki Nomiya and Teruhisa Hochin

Explaining Estimation of Factor Scores of Question and Answer Statements

Yuya Yokoyama, Teruhisa Hochin, Hiroki Nomiya and Tetsuji Satoh

13:10-15:10

15:10-16:00	<p>Welcome Tea Ceremony with Japanese Tea and Coffee <i>Room: Hall (2F)</i></p>
	<p>Session 2A: Software Testing Session Chair: <i>Kazunori Iwata</i> <i>Room: Meeting Room 3 (2F)</i></p> <p>An Approach to Modeling and Verifying Router-Based Network <i>Dandan Sun, Huaikou Miao, Shengbo Chen and Honghao Gao</i></p> <p>Test Suite Reduction Using Weighted Set Covering Techniques <i>Shengwei Xu, Huaikou Miao and Honghao Gao</i></p> <p>Bad Smells and Refactoring Methods for GUI Test Scripts <i>Woei-Kae Chen and Jung-Chi Wang</i></p> <p>Test Case Generation Technique Based on Extended Coverability Trees <i>Tomohiko Takagi and Zengo Furukawa</i></p> <p>Developing a Bayesian Network Model based on a State and Transition Model for Software Defect Detection <i>Nipat Jongsawat and Wichian Premchaiswadi</i></p> <p>Back-to-Back Testing Framework Using a Machine Learning Method <i>Tomohiko Takagi, Zengo Furukawa and Takeshi Utsumi</i></p>
16:00-18:00	<p>Session 2B: Technology Acceptance and Online Behavior Session Chair: <i>Dauw-Song Zhu</i> <i>Room: Exercise Room 3 (5F)</i></p> <p>A Study on the Behavior of Depot-Logistic Information System in Taiwan: An Integration of Satisfaction Theory and Technology Acceptance Theory <i>Dauw-Song Zhu, Chung-Hung Tsai, Yu-Li Lan and Ding-Long Li</i></p> <p>Applying the Technology Acceptance Model to Explore Intention to Use Telecare System in Taiwan <i>Su-Pi Su, Chung-Hung Tsai and Yi-Kang Chen</i></p> <p>Causes and Effects of e-Service Quality for Online Banking <i>Dauw-Song Zhu and Thomson Chih-Te Lin</i></p> <p>TAM's Application: E-Service Quality Study in Online Apparel Store <i>Zui Chih (Rick) Lee and Paul Dion</i></p> <p>Cohesiveness and Sense of Community of Fans Club Members at Facebook Pages <i>Dauw-Song Zhu, Min-Jon Kuo and Ting-Rong Lee</i></p> <p>Session 2C: The Art of Humanities Computing Technology Session Co-Chairs: <i>Masashi Komori, Hilofumi Yamamoto</i> <i>Room: Exercise Room 4 (5F)</i></p> <p>Introducing Scientific Methods for the Interpretation of the Bible: Quantitative Analysis of Christian Documents <i>Hajime Murai</i></p> <p>Diachronic Corpus and Linguistic Space: New Methods for the Analysis of Language Change <i>Hilofumi Yamamoto, Makiro Tanaka and Yasu-Hiro Kondo</i></p> <p>A Corpus Study of Emotive Adjectives and Verbs of the Heian Japanese <i>Makiro Tanaka and Hilofumi Yamamoto</i></p>

16:00-18:00	Impression Evaluation Method Considering Vagueness of Kansei <i>Shunsuke Akai, Teruhisa Hochin and Hiroki Nomiya</i>
	Kansei Information and Movement Characteristics Related to the Expression of Joy in Dance: An Investigation for Analyzing Rousing and Stimulating Dance Motions <i>Nao Shikanai, Kozaburo Hachimura, Misako Sawada and Motonobu Ishii</i>
	Relationships between Periodic Behaviors in Micro-blogging and the Users' Baseline Mood <i>Masashi Komori, Naohiro Matsumura, Asako Miura and Chika Nagaoka</i>

Thursday, 9 August 2012

9:10-10:30	Session 3A: Data Mining and Machine Learning (1) Session Chair: <i>Carl Lee</i> <i>Room: Hall (2F)</i>
	Does it Matter What They Said? A Text Mining Analysis of the State of the Union Address of USA Presidents <i>Steven Crockett and Carl Lee</i>
	Enhance the Multi-level Fuzzy Association Rules based on Cumulative Probability Distribution Approach <i>Jr-shian Chen, Fuh-Gwo Chen and Jen-Ya Wang</i>
	A Comparative Study in the Bump Hunting between the Tree-GA and the PRIM <i>Hideo Hirose and Genki Koga</i>
	Heuristic Attempts to Improve the Generalization Capacities in Learning SVMs <i>Luminita State, Catalina Cocianu and Marinela Mircea</i>
	Session 3B: Data Mining for Info-Communication Service and its Diffusion (1) Session Chair: <i>Motoi Iwashita</i> <i>Room: Meeting Room 2 (2F)</i>
	Risk Management to User Perception of Insecurity in Ambient Service <i>Shigeaki Tanimoto, Daisuke Sakurai, Yosiaki Seki, Motoi Iwashita, Hiroyuki Sato and Atsushi Kanai</i>
	An evaluation of secular changes in statistical feature for malware detection <i>Kenji Kawamoto, Masatsugu Ichino, Mitsuhiro Hatada, Yusuke Otsuki, Hiroshi Yoshiura and Jiro Katto</i>
	Mobile-Carrier Churning Behavior Modeling Based on Customer Satisfaction <i>Satoshi Nakano, Akiya Inoue, Kiyotaka Otsuka, Takeshi Kurosawa, Motoi Iwashita and Ken Nishimatsu</i>
	Mobile Internet-Access Behavior Analysis <i>Akiya Inoue, Ryouhei Nagahata, Yuuta Ishii, Masaya Dobashi, Rei Kakui and Motoi Iwashita</i>
Session 3C: Mobile/Wireless/Ad-Hoc Networks Session Chair: <i>Wang Anbao</i> <i>Room: Exercise Room 3 (5F)</i>	
Theoretical Modelling IEEE 802.15.4 MAC Protocol with Retransmission for Wireless Personal Area Networks in Medical and Healthcare Deployments <i>Zhongwei Zhang and Hong Zhou</i>	

	<p>Realize Multi-Hop Node Localization in Wireless Networks <i>Wang Anbao and Zhang Shiming</i></p> <p>Time Synchronization for Failure Tolerance in Wireless Sensor Network <i>Na Wang and Haihui He</i></p> <p>Router Assisted Rate Control for Multimedia Streaming over Mobile Adhoc Networks <i>Morshed Chowdhury and Nazia Zaman</i></p>
9:10-10:30	<p>Session 3D: Natural Language Processing, Neural Networks, Genetic Algorithms, and Emotion Session Chair: <i>Hitoshi Iima</i> <i>Room: Exercise Room 4 (5F)</i></p>
	<p>A Possibilistic Approach for the Automatic Morphological Disambiguation of Arabic Texts <i>Raja Ayed, Ibrahim Bounhas, Bilel Elayeb, Fabrice Evrard and Narjes Bellamine Ben Saoud</i></p> <p>Genetic algorithm for Arabic word sense disambiguation <i>Mohamed El Bachir Menai and Wojdan Alsaedan</i></p> <p>Feedback GMDH-type Neural Network Self-selecting Various functions and Its Application to Medical Image Diagnosis of Lung Cancer <i>Tadashi Kondo, Junji Ueno and Schoichiro Takao</i></p> <p>Speech Synthesis of Emotions Using Vowel Features <i>Kanu Boku, Taro Asada, Yasunari Yoshitomi and Masayoshi Tabuse</i></p>
10:30-10:50	<p>Coffee Break <i>Room: Foyer</i></p>
10:50-12:30	<p>Session 4A: Data Mining and Machine Learning (2) Session Chair: <i>Gongzhu Hu</i> <i>Room: Hall (2F)</i></p>
	<p>A Novel Online Event Analysis Framework for Micro-blog based on Incremental Topic Modeling <i>Huifang Ma, Bo Wang and Ning Li</i></p> <p>Factor Analysis for Influence Maximization Problem in Social Networks <i>Xing Shang, Xiang Chen, Qing Gu, Zhiwei Jiang and Daoxu Chen</i></p> <p>Multivariate Regression Modeling for Home Value Estimates with Evaluation using Maximum Information Coefficient <i>Gongzhu Hu, Jiping Wang and Wenying Feng</i></p>
	<p>GDCLU: a new Grid-Density based CLUstring algorithm <i>Gholamreza Esfandani, Mohsen Sayyadi and Amin Namadchian</i></p> <p>DSCLU: a new Data Stream CLUstring algorithm for multi density environments <i>Amin Namadchian and Gholamreza Esfandani</i></p>
	<p>Session 4B: Data Mining for Info-Communication Service and its Diffusion (2) Session Chair: <i>Motoi Iwashita</i> <i>Room: Meeting Room 2 (2F)</i></p>
	<p>Identifying Purchase-Stage by applying Pattern Mining to Web Access Logs <i>Manabu Motegi, Yusuke Ichikawa and Toru Kobayashi</i></p> <p>Immune Network Based Text Clustering Algorithm <i>Ma Li, Yang Lin, Bai Lin and Wang Rongxi</i></p>

	<p>KC3 Browser: Semantic Service Mash-up for Global Knowledge Sharing and Discovery <i>Michiaki Iwazume, Ken Kaneiwa and Ichiro Kobayashi</i></p> <p>A Consideration of Micro Area Selection Technique for the Diffusion of ICT Infrastructure <i>Motoi Iwashita</i></p>
	<p>Session 4C: Artificial Intelligence Session Chair: <i>Nobuhiro Inuzuka</i> <i>Room: Exercise Room 3 (5F)</i></p>
10:50-12:30	<p>A Computational Model of Imitation and Autonomous Behavior <i>Tatsuya SAKATO, Motoyuki OZEKI and Natsuki OKA</i></p> <p>Does Talking to a Robot in a High-Pitched Voice Create a Good Impression of the Robot? <i>Ryoko SHIBATA, Takatsugu KOJIMA, Chie FUKADA, Kaori SATO, Yuki HASHIKURA, Motoyuki OZEKI and Natsuki OKA</i></p> <p>Knowledge Management for Model Driven Data Cleaning of Very Large Database <i>Yucong Duan</i></p> <p>The Efficiency of Interactive Differential Evolution in Creation of Sound Contents -In Comparison with Interactive Genetic Algorithm <i>Makoto Fukumoto, Ryota Yamamoto and Shintaro Ogawa</i></p> <p>An Approximate Reasoning Model for Medical Diagnosis <i>Irosh Fernando, Frans Henskens and Martin Cohen</i></p>
	<p>Session 4D: Multi-Agent Technology, Platforms and Systems Session Chair: <i>Petr Skobelev</i> <i>Room: Exercise Room 4 (5F)</i></p>
	<p>Multi-Agent Stochastic Systems with Switched Topology and Noise <i>Konstantin Amelin, Natalia Amelina, Oleg Granichin and Olga Granichina</i></p> <p>Common Hybrid Agent Platform - Sustaining the Collective <i>Radu Serban, Hongliang Guo and Alfons Salden</i></p> <p>MAST: from a Toy to Real-life Manufacturing Control <i>Pavel Vrba, Vladimir Marik and Petr Kadera</i></p> <p>Real-time Multi-Agent Forecasting & Replenishment Solution for LEGO Branded Retail Outlets <i>Bjorn Madsen, George Rzevski, Petr Skobelev and Alexander Tsarev</i></p> <p>Modelling Large Complex Systems Using Multi-Agent Technology <i>George Rzevski</i></p>
12:30-13:30	Lunch (complimentary)
13:30-14:00	<p>Cultural Program: ORIGAMI, paper folding <i>Room: Hall (2F)</i></p>
	<p>Session 5A: Software Engineering Session Chair: <i>Huaikou Miao</i> <i>Room: Hall (2F)</i></p>
14:00-15:20	<p>Automated deployment of hierarchical components <i>Tomas Kucera, Petr Hnetyuka and Jan Kofron</i></p> <p>Towards a Formal Integrated Model for Functional and User Interface <i>Zhu Bin, Zhang Shiming and Wang Anbao</i></p>

A Model-Based Approach to Constructing Safe Soft Realtime Programs for Non-Realtime Environments

Ilankaikone Senthoran and Takuo Watanabe

Software Effort Estimation in the Early Stages of the Software Life Cycle Using a Cascade Correlation Neural Network Model

Ali Bou Nassif, Luiz Fernando Capretz and Danny Ho

Session 5B: Web-Based Applications

Session Chair: *Masahiro Araki*

Room: Meeting Room 2 (2F)

A Survey on Service Contract

Yucong Duan

Modeling Service Value Transfer beyond Normalization

Yucong Duan

Human Resource Web Services through the Fuzzy Query Mechanism and the Service-Oriented Architecture

Lien-Fu Lai, Chao-Chin Wu and Liang-Tsung Huang

The Web-based Assessment for Inundated Area Detection

Ponthip Limlahapun and Hiromichi Fukui

14:00-15:20

Session 5C: Database System Management

Session Chair: *Teruhisa Hochin*

Room: Exercise Room 3 (5F)

Query Range Sensitive Probability Guided Multi-Probe Locality Sensitive Hashing

Xiaoguang Gu, Lei Zhang, Dongming Zhang, Yongdong Zhang, Jintao Li and Ning Bao

Page-Flow in Query Engine Grid

Qiming Chen, Meichun Hsu and Ren Wu

Semantic Generalization in a Graph-Based Data Model

Yuki Ohira, Teruhisa Hochin and Hiroki Nomiya

An Efficient Join Query Processing based on MJR Framework

Shih-Ying Chen and Po-Chun Chen

Session 5D: Multi-Agent Technology, and Quantum Computation

Session Chair: *Yasuaki Kuroe*

Room: Exercise Room 4 (5F)

Physicomimetics for Mobile Robot Obstacle Avoidance

Suranga Hettiarachchi and William M. Spears

Self-Evolving Decision Support Systems in Multi-Agent Environment

Tofiq Hasanov, OZEKI Motoyuki and OKA Natsuki

An Approximate Algorithm for DCOP with Optimal Solution Attainment Rate of 0.99

Yasuki IIZUKA

Study on Adiabatic Quantum Computation in Deutsch·Jozsa Problem

Shigeru Nakayama and Gang Peng

15:20-15:40	Coffee Break	<i>Room: Foyer</i>
15:40-18:00	Session 6A: Intelligent Software: Theory and Application Session Co-Chairs: <i>Kensei Tsuchida, Takaaki Goto</i> <i>Room: Hall (2F)</i>	
	Survey on Body of Knowledge Regarding Software Security <i>Atsuo Hazeyama</i>	
	Development of a Software Security Learning Environment <i>Atsuo Hazeyama and Hiroto Shimizu</i>	
	UNL Ontology Visualization for Web <i>Khan Md. Anwarus Salam, Hiroshi Uchida, Setsuo Yamada and Tetsuro Nishino</i>	
	A Comparison of Ridge Detection Methods for DEM Data <i>Shinji Koka, Koichi Anada, Yasunori Nakayama, Kimio Sugita, Takeo Yaku and Ryusuke Yokoyama</i>	
	Efficiency of concurrent processing of sort using CSP <i>Yasunori Shiono, Mitumasa Mochida, Hideki Mori, Shohei Noguchi, Tomoo Sumida, Kazuhito Ohmaki and Kensei Tsuchida</i>	
	An Attribute Labeled Grid Graph Grammar and Its Application to Program Specification Forms <i>Tomokazu Arita, Tetsuro Nishino, Kimio Sugita, Kensei Tsuchida and Takeo Yaku</i>	
	O(n) and O(n ²) Time Algorithms for Drawing Problems of Tree-Structured Diagrams <i>Tadaaki Kirishima, Sumida Tomoo, Yasunori Shiono, Goto Takaaki, Tetsuro Nishino, Takeo Yaku and Kensei Tsuchida</i>	
	Session 6B: Innovative switch architectures for future networks Session Co-Chairs: <i>Zhiyi Fang, Guannan Qu</i> <i>Room: Meeting Room 2 (2F)</i>	
	SARA: A Self-adaptive Routing Algorithm in Wireless Sensor Network <i>Yi Zhang, Zhiyi Fang, Hongyu Sun and Lin Chen</i>	
Research on the interconnection model between vehicular CAN network and internet based on in-vehicle gateway <i>Bo Hao, Yanheng Liu and Da Wei</i>		
Dynamic Virtual Switch Protocol Using Openflow <i>Miao Tang, Qiaochu Lv, Zheng lu and Qi Zhao</i>		
Improved Minimum Hop Routing Protocol in WSN <i>Yankun Li, Ming Zhu, Haiqin Qu, Nannan Wang and Yichuan Song</i>		
An Optimization for Channel Estimation Based on Compressed Channel Sensing <i>Si Zhang, Jian Kang and Yichuan Song</i>		
DiaCTC(N): An Improved Contention-Tolerant Crossbar Switch <i>Jianfei Zhang, Zhiyi Fang, Guannan Qu, Xiaohui Zhao and S. Q. Zheng</i>		
Token Based Scheduling Algorithm for Advanced IMOTS(N) Switch Architecture <i>Jianfei Zhang, Zhiyi Fang, Hyung Jae Chang and S. Q. Zheng</i>		

	<p>Session 6C: Applications of Parallel and Distributed Processing Session Co-Chairs: <i>Shinsuke Tamura, Yohsuke Hosoda, Ken Higuchi</i> <i>Room: Exercise Room 3 (5F)</i></p> <p>Implementation and Evaluation of a Mail Gateway System Reducing Bounce Mail Caused by Erroneous Forward Settings <i>Yoshiko Ishibashi, Takumi Kouga and Hideo Masuda</i></p> <p>Adaptive Parameter Adjustment of a Real-time SPH Simulation for Interactive Virtual Environments: Application to Parallel Processing <i>Masayuki Kawai and Yohei Suzuki</i></p> <p>Prototype Implementation of a GPU-based Interactive Coupled Fluid-Structure Simulation <i>Ryota Henmi, Yusuke Nishimura, Hiroaki Suzuki, Shinji Fukuma, Shin-ichiro Mori, Akinori Yamaguchi and Shinji Tomita</i></p> <p>Towards Parallel Processing of Similarity Retrieval System of Time Series <i>Ryohei Azuma, Teruhisa Hochin, Hiroki Nomiya, Hideya Nakanishi and Mamoru Kojima</i></p> <p>Incremental Data Migration for Multi-Database Systems <i>Ken Higuchi, Wenqian Wang and Tatsuo Tsuji</i></p> <p>A mechanism to protect tokens from dishonest uses <i>Yusuke Ohashi, Shinsuke Tamura and Shuji Taniguchi</i></p> <p>A user-friendly computation system on the Web with octuple-precision. <i>Yohsuke Hosoda and Takemitsu Hasegawa</i></p>
	<p>15:40-18:00</p>
	<p>Session 6D: Human symbiotic systems Session Chair: <i>Tsuyoshi Nakamura</i> <i>Room: Exercise Room 4 (5F)</i></p> <p>Estimating Subjective Assessments using a Simple Biosignal Sensor <i>Yoshihito Maki, Genma Sano, Yusuke Kobashi, Tsuyoshi Nakamura, Masayoshi Kanoh and Koji Yamada</i></p> <p>Interactive Sound Generation System Based on Instruction Recognition of Human Body Motion <i>Hotaka Kitabora, Yoichiro Maeda and Yasutake Takahashi</i></p> <p>A Study on Extraction Method of Synonyms in Specification Documents <i>Yasushi Kawai, Tomohiro Yoshikawa, Takeshi Furuhashi, Eiji Hirao, Ayako Kuno and Tomohisa Gotoh</i></p> <p>A Study for Vision Based Data Glove Considering Hidden Fingertip with Self-Occlusion <i>Kenji Funahashi, Sanshiro Yamamoto and Yuji Iwahori</i></p> <p>Forecasting students' grades using a Bayesian network model and an evaluation of its usefulness <i>Hirotaaka Itoh, Keisuke Itoh and Kenji Funahashi</i></p> <p>Search Algorithm with Learning Ability for Mario AI -Combination A* and Q-Learning- <i>Shunsuke Shinohara, Tashiaki Takano, Haruhiko Takase, Hiroharu Kawanaka and Shinji Tsuruoka</i></p>
<p>18:30-20:30</p>	<p>Award Presentation & Dinner Banquet</p>

Friday, 10 August 2012

9:10-10:30	Session 7A: Internet Technology, and Collaborative Computing Session Chair: <i>Irosh Fernando</i> <i>Room: Hall (2F)</i>	
	Status and trend of e-book applications for iOS devices: A developer's perspective <i>Tse-Ming Tsai, Shih-Chun Chou, Bo-Fu Liu, Yuting Lin, Rong-Sheng Wang, Ren-Dar Yang and Seng-Cho T. Chou</i>	
	Value Modeling and Calculation for Everything as a Service (XaaS) based on Reuse <i>Yucong Duan</i>	
	Constructing DN Model-Based Information Sources <i>Yoshihide Hosokawa and Kazunori Tamegai</i>	
	Comparative Analysis of Access Control Systems on Cloud <i>Ume Ghazia, Awais Shibli and Rahat Masood</i>	
10:30-10:50	Session 7B: Future Internet Architectures and Experimental Facilities (1) Session Co-Chairs: <i>Wojciech Burakowski, Shinji Shimojo</i> <i>Room: Meeting Room 2 (2F)</i>	
	Deeply Programmable Network Through Network Virtualization <i>Akihiro Nakao</i>	
	Content Espresso: A Global Secure Large File Sharing System for Media Industries <i>Kunitake Kaneko, Daisuke Ando and Fumio Teraoka</i>	
	Experiments on Mult-Layer Network Virtualization towards the Software Defined Transport Network <i>Akeo Masuda, Akinori Isogai, Daisaku Shimazaki, Yoshihiko Uematsu and Atsushi Hiramatsu</i>	
	Energy Efficient and Enhanced-type Data-centric Network (E3-DCN) <i>Satoru Okamoto, Naoaki Yamanaka, Daisuke Matsubara and Hitoshi Yabusaki</i>	
10:50-12:30	Session 7C: Parallel and Distributed Computing Session Chair: <i>Qing He</i> <i>Room: Exercise Room 2 (5F)</i>	
	Parallel Implementation of Apriori Algorithm Based on MapReduce <i>Ning Li, Li Zeng, Qing He and Zhongzhi Shi</i>	
	Parallel Text Matching Using GPGPU <i>Ryosuke Takahashi and Ushio Inoue</i>	
	Optimizing Sparse Matrix Vector Multiplication Using Cache Blocking Method on Fermi GPU <i>Weizhi Xu</i>	
	Simulated Performance Evaluation of a 6D Mesh/iBT Interconnect <i>Rui Feng, Peng Zhang and Yuefan Deng</i>	
10:50-12:30	Coffee Break <i>Room: Foyer</i>	
	Session 8A: Experiences of Software Engineering (1) Session Co-Chairs: <i>Masahide Nakamura, Kuniaki Uehara</i> <i>Room: Hall (2F)</i>	
10:50-12:30	Analyzing Risk Factors Affecting Project Cost Overrun <i>Masateru Tsunoda, Akito Monden, Kenichi Matsumoto, Ryosuke Hatano, Toshihiko Nakano and Yutaka Fukuchi</i>	

	<p>Joined View Editor for Mashups of Web Data Stores <i>Yoshio Kumagai, Masaya Senba, Takakazu Nagamine and Tomio Kamada</i></p> <p>Experimental Report of the Exercise Environment for Software Development PBL <i>Naoki Fukuyasu, Sachio Saiki, Hiroshi Igaki and Yuki Manabe</i></p> <p>Program Incomprehensibility Evaluation for Obfuscation Methods with Queue-based Mental Simulation Model <i>Haruaki Tamada, Kazumasa Fukuda and Tomoya Yoshioka</i></p> <p>A Study of Student Experience Metrics for Software Development PBL <i>Umekawa Kohichi, Hiroshi Igaki, Yoshiki Higo and Shinji Kusumoto</i></p>
	<p>Session 8B: Future Internet Architectures and Experimental Facilities (2) Session Co-Chairs: <i>Wojciech Burakowski, Shinji Shimojo</i> Room: Meeting Room 2 (2F)</p>
10:50-12:30	<p>Content Aware Network based on Virtual Infrastructure <i>Andrzej Beben, Piotr Wisniewski, Piotr Krawiec, Mateusz Nowak, Piotr Pecka, Jordi Mongay Battilla, Pawel Bialon, Pawel Olender, Jakub Gutkowski, Bartosz Belter and Lukasz Lopatowski</i></p> <p>Virtualization Devices for Prototyping of Future Internet <i>Andrzej Chydzinski, Mariusz Rawski, Piotr Wisniewski, Blazej Adamczyk, Iwo Olszewski, Piotr Sztokowski, Lukasz Chrost, Pawel Tomaszewicz and Damian Parniewicz</i></p> <p>PL-LAB: Polish Future Internet distributed laboratory <i>Radoslaw Krzywania, Lukasz Dolata, Piotr Krawiec, Waldemar Latoszek, Andrzej Szymanski and Jacek Wszolek</i></p> <p>Applications of the Future Internet Engineering Project <i>Adam Grzech, Krzysztof Juszczyzyn, Pawel Swiatek, Cezary Mazurek and Arkadiusz Sochan</i></p> <p>Virtualized network infrastructure supporting co-existence of Parallel Internets <i>Wojciech Burakowski, Halina Tarasiuk, Andrzej Beben and Grzegorz Danilewicz</i></p>
	<p>Session 8C: Parallel and Distributed Computing, and System Session Chair: <i>Ushio Inoue</i> Room: Exercise Room 2 (5F)</p>
	<p>Preemption of a CUDA Kernel Function <i>Jon Calhoun and Hai Jiang</i></p> <p>A Middleware-based Implementation for Data Integration of Remote Devices <i>Xianyong Liu, Lizhuang Ma, and Yanping Liu</i></p> <p>Smart Energy Management of Multi-threaded Java Applications on Multi-core Processors <i>Fuh-Gwo Chen, Kuo-Yi Chen, Jr-Shian Chen and Chi-Chen Shui</i></p> <p>Implement Improved Loop Level OpenMP Program Based on Parallel Region Reconstruction <i>Shi'an Hu, Hongtu Ma and Aixian Dong</i></p> <p>Architecting RTOS for Extensibility by Heterogeneous Multiprocessing with Proxy Kernels <i>Shuichi Oikawa</i></p>
12:30-14:00	Lunch (complimentary)

	<p>Session 9A: Experiences of Software Engineering (2) Session Co-Chairs: <i>Masahide Nakamura, Kuniaki Uehara</i> <i>Room: Hall (2F)</i></p>
	<p>Lessons Learned from Collaborative Research in Software Engineering: A Student's Perspective <i>Anakorn Jongyindee, Pattara Leelaprute, Masao Ohira and Ken-ichi Matsumoto</i></p> <p>Aggregation of Development History from Distributed Support Systems <i>Hiroki Kawai, Hidetake Uwano and Soichiro Tani</i></p> <p>Task Classification with Chronological Action History for PSP Support <i>Ryouta Ohashi, Takao Nakagawa and Hidetake Uwano</i></p> <p>An Ensemble Approach of Simple Regression Models to Cross-Project Fault Prediction <i>Satoshi Uchigaki, Shinji Uchida, Koji Toda and Akito Monden</i></p> <p>Supporting End-User Development of Context-Aware Services in Home Network System <i>Masahide Nakamura, Shuhei Matsuo and Shinsuke Matsumoto</i></p>
14:00-15:40	<p>Session 9B: Image and Signal Processing Session Chair: <i>Naohiro Ishii</i> <i>Room: Meeting Room 2 (2F)</i></p>
	<p>Distance Measurement with a General 3D Camera by Using a Modified Phase Only Correlation Method <i>Lifeng Zhang, Yujie Li, Huimin Lu and Seiichi Serikawa</i></p> <p>Maximum Local Energy based Multifocus Image Fusion In Mirror Extended Curvelet Transform Domain <i>Lifeng Zhang, Huimin Lu, Yujie Li and Seiichi Serikawa</i></p> <p>Multimodal Medical Image Fusion with Maximum Local Energy in Modified Sharp Frequency Localized Contourlet Domain <i>Seiichi Serikawa, Huimin Lu, Lifeng Zhang and Yujie Li</i></p> <p>A NON-CONTACT IMAGE-TO-PATIENT REGISTRATION METHOD USING KINECT SENSOR AND WAP-ICP ALGORITHM <i>Jiann-Der Lee, Chung-Hung Hsieh and Chung-Hsian Huang</i></p>
15:40-16:00	<p>Closing Remarks <i>Room: Hall (2F)</i></p>
16:00-18:00	<p>Individually Arranged Tours</p>

Next year's SNPD 2013 will be held in Honolulu, Hawaii.

We hope to see you all there!