IEEE SOCA/SC2/IOV 2017
Technical Program

The 10th IEEE International Conference on Service Oriented Computing and Applications

The 7th IEEE International Symposium on Cloud and Service Computing

The 4th International Conference on Internet of Vehicles

Kanazawa Chamber of Commerce & Industry, Kanazawa, Japan
22nd-25th November, 2017

SOCA : http://conferences.computer.org/soca
SC2   : https://grid.chu.edu.tw/sc2-2017
IOV   : https://grid.chu.edu.tw/iov2017

Overview

Wednesday, 22nd November 2017

04:30PM-08:00PM	Steering Committee Meeting（Kanazawa Tokyu Hotel）

Thursday, 23rd November 2017

	Main Conference Room A	Main Conference Room B	Training Room 1-B	Training Room 1-C	Main Conference Room C
08:30AM-04:00PM	Registration（2F: Foyer）				
09:00AM-09:15AM	SOCA/SC2/ IOV Conference Opening				
09:15AM-10:30AM	Keynote I（2F: Main Conference Room） President Sang Hyuk Son（DGIST, South Korea）				
10:30AM-10:45AM	Coffee Break（2F: Training Room 1-A）				
10:45AM-12:15PM	SOCA 1	SOCA 2	SC2 I	SC2 II	IOV I
12:15PM-01:15PM	Lunch（with lunch box）				
01:15PM-02:45PM	Keynote II（2F: Main Conference Room） Prof. Jane Hsu（National Taiwan University, Taiwan）				
02:45PM-03:15PM	Coffee Break（2F: Training Room 1-A）				
03:15PM-05:30PM	SOCA 3	SOCA 4	SC2 III	SC2 IV	IOV II
06:00PM-07:30PM	Welcome reception（1F: Reception Hall）				

Friday, 24th November 2017

	Main Conference Room A	Main Conference Room B	Training Room 1-B	Training Room 1-C	Main Conference Room C
08:30AM-03:45PM	Registration（2F: Foyer）				
09:00AM-10:30AM	Keynote III（2F: Main Conference Room） Prof. Minyi Guo（Shanghai Jiao Tong University, China）				
10:30AM-10:45AM	Coffee Break（2F: Training Room 1-A）				
10:45AM-12:15PM	SOCA 5	SOCA 6	SC2 V	SC2 VI	IOV III
12:15PM-01:15PM	Lunch（with lunch box） Poster Setting（2F: Training Room 2）				
01:15PM-03:15PM	SOCA 7	Poster Session（2F: Training Room 2）			
03:15PM-03:45PM	Coffee Break（Training Room 1-A）				
03:45PM-05:30PM	SOCA 8	SOCA 9	SC2 VII	SC2 VIII	IOV IV
05:40PM-06:00PM	Moving by shuttle buses from main entrance of Conference Venue to Shougyo-Tei				
06:00PM-07:30PM	Banquet and Award Presentation				
07:30PM-07:50PM	Moving by shuttle buses to Korimbo, Musashi-ga-tsuji and Kanazawa station				

Saturday, 25th November 2017

08:30AM-12:00PM	Steering Committee Meeting

Keynote Speaker

Keynote I：23rd November, 9:15AM-10:30AM in 2F: Main Conference Room

President Sang Hyuk Son (DGIST, South Korea)

Speaker Profile

Sang Hyuk Son is the President of DGIST. He has been a Professor of Computer Science Department at the University of Virginia, and WCU Chair Professor at Sogang University. He received the B.S. degree in electronics engineering from Seoul National University, M.S. degree from KAIST, and the Ph.D. in computer science from University of Maryland, College Park. He has been a Visiting Professor at KAIST, City University of Hong Kong, Ecole Centrale de Lille in France, and Linkoping University and University of Skovde in Sweden.

Prof. Son is IEEE Fellow, and a member of both the Korean Academy of Science & Technology and the National Academy of Engineering of Korea. He has served on the editorial board of the ACM Transactions on Cyber Physical Systems, IEEE Transactions on Computers, IEEE Transactions on Parallel and Distributed Systems, and Real-Time Systems Journal. He is a founding member of the ACM/IEEE CPS Week, and serving as a member of the steering committee for the IEEE RTCSA and Cyber Physical Systems Week. He received the Outstanding Contribution Award from the Cyber Physical Systems Week in 2012. His research interests include cyber physical systems, real-time and embedded systems, database and data services, and wireless sensor networks. He has written or co-authored over 340 papers and edited/authored 4 books in these areas. His research has been funded by the Korean Government, National Research Foundation, National Science Foundation, DARPA, Office of Naval Research, Department of Energy, National Security Agency, and IBM.

Keynote II：23rd November, 1:15PM-2:45PM in 2F: Main Conference Room

Prof. Jane Hsu (National Taiwan University, Taiwan)

Speaker Profile

Jane Hsu is currently a Professor of the Department of Computer Science and Information Engineering at National Taiwan University, where she served as the Department Chair from 2011 to 2014. As the Director of the NTU IoX Center, established in 2011 as the Intel-NTU Connected Context Computing Center, Prof. Hsu is leading the global research collaboration on Augmented Collective Beings and Internet of Things. With more than 30 years of experience in AI, her research interests include multiagent planning/learning, crowdsourcing, knowledge mining, commonsense computing, and context-aware smart IoT. Prof. Hsu served on the editorial board of Journal of Information Science and Engineering (2010-), International Journal of Service Oriented Computing and Applications (Springer, 2007-2009) and Intelligent Data Analysis (Elsevier/IOS Press, 1997-2002). Having been on the board of Taiwanese Association for Artificial Intelligence since 2004, she served as the President in 2013-14. Prof. Hsu has been actively involved in key international conferences of AAAI, IEEE, and ACM, and served as an executive member of the IEEE Technical Committee on E-Commerce (2000). Prof. Hsu is a member of the Phi Tau Phi Scholastic Honor Society, and received the 2016 MSRA Collaborative Research Award, and Intel Labs Distinguished Collaborator Award.

Keynote III：24th November, 9:00AM-10:30AM in 2F: Main Conference Room

Prof. Minyi Guo (Shanghai Jiao Tong University, China)

Speaker Profile

Minyi Guo received the BSc and ME degrees in computer science from Nanjing University, China; and the PhD degree in computer science from the University of Tsukuba, Japan. He is currently Zhiyuan Chair professor and head of the Department of Computer Science and Engineering, Shanghai Jiao Tong University (SJTU), China. Before joined SJTU, Dr. Guo had been a professor of the school of computer science and engineering, University of Aizu, Japan. Dr. Guo received the national science fund for distinguished young scholars from NSFC in 2007, and was supported by "Recruitment program of Global Experts" in 2010. His present research interests include parallel/distributed computing, compiler optimizations, big data processing and analysis, pervasive computing, and cloud computing. He has more than 300 publications in major journals and international conferences in these areas. He received 5 best paper awards from international conferences. He is on the editorial board of IEEE Transactions on Parallel and Distributed Systems and Journal of Parallel and Distributed Computing. Dr. Guo is a senior member of IEEE, member of ACM, IEICE IPSJ, and CCF.

Thursday, 23rd November

23rd Nov.	9:00AM - 9:15AM	[Openning]	Main Conference Room

SOCA/SC2/IOV Conference Opening

23rd Nov.	9:15AM - 10:30AM	[Keynote I]	Main Conference Room

Keynote I	Computing for An Era of Innovation President Sang Hyuk Son (DGIST, South Korea)
Session Chair	Kwei-Jay Lin (University of California, Irvine, USA)

23rd Nov.	10:30AM - 10:45AM	[Coffee Break]	Training Room 1-A

Coffee Break

23rd Nov.	10:45AM - 12:15PM	[SOCA Session 1]	Main Conference Room A

Theme	Service Composition and Design
Session Chair	Ying (Jenny) Zou

Real-World RESTful Service Composition: A Tranformation-Annotation-Discovery Approach
Shang-Pin Ma, Hsuan-Ju Lin, Ci-Wei Lan, Wen-Tin Lee and Ming-Jen Hsu

Aligning Business Services with Production Services: The Case of REA and ISA-95
Bernhard Wally, Christian Huemer and Alexandra Mazak

Alignment Verification in the Early Stage of Service Design
Gorica Tapandjieva, Matteo Filipponi and Alain Wegmann

23rd Nov.	10:45AM - 12:15PM	[SOCA Session 2]	Main Conference Room B

Theme	Best paper session
Session Chair	Anna Kobusinska

Secure Virtual Machine Placement in Infrastructure Cloud Services
Duong Ta and Varun Natu

Distributed PathGraph: A Cluster Centric Framework for Distributed Processing Graph
Hao Long, Pingpeng Yuan and Hai Jin

Exploring the Search Space between Active and Passive Workflow Replication
David Richard Schäfer, Kurt Rothermel and Muhammad Adnan Tariq

23rd Nov.	10:45AM - 12:15PM	[SC2 I]	Training Room 1-B

Theme	Cloud Platforms
Session Chair	Prof. Jerry Chou

Design and Implementation of Scalable and Load-Balanced Virtual Machine Clusters
Jia-Hong Chang, Hui-Sheng Cheng and Mei-Ling Chiang

Parallelization, Modeling, and Performance Prediction in the Multi-/Many Core Area: A Systematic Literature Review
Markus Frank, Marcus Hilbrich, Sebastian Lehrig and Steffen Becker

EMAPM: Enterprise Modernization Autonomic Predictive Model in Hybrid Cloud Environments
Satheesh Abimannan, Ravikumar Ramadoss, Elango N.M and Ching-Hsien Hsu

A Dynamic Module Deployment Framework for M2M Platforms
Bing-Liang Chen, Shih-Chun Huang, Yu-Cing Luo, Yeh-Ching Chung and Jerry Chou

23rd Nov.	10:45AM - 12:15PM	[SC2 II]	Training Room 1-C

Theme	Networking for cloud
Session Chair	Prof. Wen-Hwa Liao

Reinforcement Learning based Routing Protocol for Wireless Body Sensor Networks
Farzad Kiani

Dynamic Flow Control for Big Data Transmissions toward 5G Multi-Hop Relaying Mobile Networks
Ben-Jye Chang, Yi-Hsuan Li, Shin-Pin Chen and Ying-Hsin Liang

expanStor: Multiple Cloud Storage with Dynamic Data Distribution
Yongmei Wei, Fengmin Chen and David Chen

An Energy-Efficient SDN-Based Data Collection Strategy for Wireless Sensor Networks
Wen-Hwa Liao and Ssu-Chi Kuai

23rd Nov.	10:45AM - 12:15PM	[IOV I]	Main Conference Room C

Theme	Vehicular Communications
Session Chair	Prof. Yu-Shan Lin

Vehicular Communications: Standards and Challenges
Nian Xia and Chu-Sing Yang

Helmet-Mounted Display System of Motorcyclist with Collision Detecting and Navigation
Wen-Ching Chiu, Ping-Hsiao Hsieh, Wan-Lin Wu and Chih-Lung Lin

Metaheuristic Algorithm of Multi-passengers Routing Path for Ride-sharing Vehicle
Yao-Chung Chang, Wei-Che Chien, Hsin-Hung Cho, Chin-Feng Lai and Han-Chieh Chao

A rush-hour vehicles scheduling strategy in online car-sharing system based on urban trajectory data analysis
Xintong Wang, Zhihan Liu and Yi Jia

23rd Nov.	12:15PM - 1:15PM	[Lunch]	Training Room 1-A

Lunch (with lunch box)

23rd Nov.	1:15PM - 2:45PM	[Keynote II]	Main Conference Room

Keynote II	TBD Prof. Jane Hsu (National Taiwan University, Taiwan)
Session Chair	Takayuki Ito (Nagoya Institute of Technology, Japan)

23rd Nov.	2:45PM - 3:15PM	[Coffee Break]	Training Room 1-A

Coffee Break

23rd Nov.	3:15PM - 5:30PM	[SOCA Session 3]	Main Conference Room A

Theme	Distributed Services and Infrastructure
Session Chair	Chi-Sheng Shih

Purin: Graph Processing System on Multi-GPUs
Peng Zhao, Xuan Luo, Jiang Xiao, Xuanhua Shi and Hai Jin

P2P Web Browser Middleware to Enhance Service Oriented Computing - Analysis and Evaluation
Anna Kobusinska and Mouzhi Ge

Large-Scale Crowdsourcing by Vehicular Data Packets in a Sparse Roadside Infrastructure
Marat Zhanikeev

SBVR2Alloy: an SBVR to Alloy compiler
Nurulhuda A. Manaf, Andreas Antoniades and Sotiris Moschoyiannis

23rd Nov.	3:15PM - 5:30PM	[SOCA Session 4]	Main Conference Room B

Theme	Cloud Service Design
Session Chair	Christian Huemer

Cloud Ready Applications Composed via HTN Planning
Ilche Georgievski, Faris Nizamic, Alexander Lazovik and Marco Aiello

A Method to Assess the Economic Feasibility of New Commercial Services in the Smart Grid
Iván S. Razo-Zapata

A Type-Aware Workload Prediction Strategy for Non-Stationary Cloud Service
Jun Guo, Jing Wu, Bin Zhang and Jun Na

Study on Capability Matching of Collaborative Development Capability Federation for Ordnance Equipment in Cloud Environment
Wenjun Liu, Jun Ji and Weiyan Chai

Efficient Snapshot Mechanisms for Xen Virtual Machines
Po-Jen Chuang and Yen-Chia Huang

23rd Nov.	3:15PM - 5:30PM	[SC2 III]	Training Room 1-B

Theme	Best Papers Nominees
Session Chair	Prof. Yue-Shan Chang

A Distributed Cloud Service For The Resolution of SAT
Yanik Ngoko, Denis Trystram and Christophe Cérin

Optimal Placement of Network Security Monitoring Functions in NFV-enabled Data Centers
Po-Ching Lin, Chia-Feng Wu and Po-Hsien Shih

Application-aware Traffic Redirection: A Mobile Edge Computing Implementation toward Future 5G Networks
Shih-Chun Huang, Bing-Liang Chen, Yu-Cing Luo, Yeh-Ching Chung and Jerry Chou

Multilayered Cloud Applications Autoscaling Performance Estimation
Anshul Jindal, Vladimir Podolskiy and Michael Gerndt

Mobile Edge Computing-based Vehicular Cloud of Cooperative Adaptive Driving for Platooning Autonomous Self Driving
Ren-Hung Huang, Ben-Jye Chang, Yueh-Lin Tsai and Ying-Hsin Liang

23rd Nov.	3:15PM - 5:30PM	[SC2 IV]	Training Room 1-C

Theme	Cloud Security and Privacy
Session Chair	Prof. Wei-Ren Wang

A Multi-User Searchable Encryption Scheme With Constant-Size Keys
Yu-Jui Chang and Ja-Ling Wu

Cyber Security Body of Knowledge
Evon Abu-Taieh

Enhancing classification effectiveness of Chinese news based on term frequency
Tzu-Yi Chan and Yue-Shan Chang

A mobile cloud-based biofeedback platform for evaluating medication response
Yu-Zheng Lai, Kuo-Hsuan Chung, Chih-Hua Tai and Yue-Shan Chang

23rd Nov.	3:15PM - 5:30PM	[IOV II]	Main Conference Room C

Theme	Best Paper Nominees
Session Chair	Prof. Yao-Chung Chang

Accurate Traffic Flow Estimation in Urban Roads with Considering the Traffic Signals
Yuan-Cheng Lai and Shun-Yi Huang

Performance Analysis and Modeling of Central Navigation Cloud
Zhiqiang Li, Yanheng Liu, Jian Wang and Peng Zhou

Optimal Power Allocation for Multi-Group Multicast under Sensing-Based Spectrum Sharing Cognitive Radio Networks
Xiaoyu Li, Shouyi Yang, Xiaojuan Zhao and Qing Cheng

A New Routing Protocol Based on OLSR Designed for UANET Maritime Research and Rescue
Yi Wu, Lei Xu, Xiao Lin and Jie Fang

23rd Nov.	6:00PM - 7:30PM	[Welcome Reception]	1F Reception Hall

Welcome Reception

24th Nov.	9:00AM - 10:30AM	[Keynote III]	Main Conference Room

Keynote III	Collaborative Computing with Urban Big data Prof. Minyi Guo (Shanghai Jiao Tong University, China)
Session Chair	Robert Hsu (Chung Hua University, Taiwan)

24th Nov.	10:30AM - 10:45AM	[Coffee Break]	Training Room 1-A

Coffee Break

24th Nov.	10:45AM - 12:15PM	[SOCA Session 5]	Main Conference Room A

Theme	Service Modelling and Composition
Session Chair	Tokuro Matsuo

Process and Service Modelling of Insurancy Use Cases
Andreas Hausotter, Arne Koschel, Malte Zuch and Johannes Busch

Exogenous Connectors for Hierarchical Service Composition
Damian Arellanes and Kung-Kiu Lau

Toward a Service Platform for Developing Smart Contracts on Blockchain in BDD and TDD styles
Chun-Feng Liao, Ching-Ju Cheng, Kung Chen, Chen-Ho Lai, Tien Chiu and Chi Wu-Lee

24th Nov.	10:45AM - 12:15PM	[SOCA Session 6]	Main Conference Room B

Theme	Internet of Things Applications
Session Chair	Marco Aiello

A QoS-Aware Integrated Management of Internet of Things in Smart Cities
Aqeel Kazmi, Martin Serrano and John Soldatos

Automated Planner for Energy-efficient Buildings
Yanik Ngoko and Christophe Cérin

Integrating IoT Devices based on Automatically Generated Scale-Out Plans
Kálmán Képes, Uwe Breitenbücher and Frank Leymann

24th Nov.	10:45AM - 12:15PM	[SC2 V]	Training Room 1-B

Theme	Data Analytics
Session Chair	Prof. Chuan-Ming Liu

Using ANN to Analyze the Correlation between Tourism-related Hot Words and Number of Tourists :
A Case Study on Japan
Jui-Hung Chang, Chien-Yuan Tseng, Ren-Hung Hwang and Mi-Chia Ma

Accelerating Lattice Chromodynamics (LQCD) Simulations with Value Prediction
Jie Tang, Shaoshan Liu, Chen Liu, Christine Eisenbeis and Jean-Luc Gaudiot

Using Data Mining Methods to Detect Simulated Intrusions on a Modbus Network
Szu-Chuang Li, Yennun Huang, Bo-Chen Tai and Chih-Ta Lin

Sliding Window based Discounted Transaction Mining
Wei-Yuan Lee, Chih-Hua Tai and Yue-Shan Chang

24th Nov.	10:45AM - 12:15PM	[SC2 VI]	Training Room 1-C

Theme	Cloud service and SOA
Session Chair	Prof. Anna Kobusinska

Quality profile-based cloud service selection for fulfilling Big data processing requirements
Mohamed Adel Serhani, Hadeel T. El Kassabi and Ikbal Taleb

Platform-as-a-Service for Human-based Applications: Ontology-driven Approach
Alexander Smirnov, Andrew Ponomarev, Tatiana Levashova and Nikolay Shilov

A Model-Based Scalability Optimization Methodology for Cloud Applications
Jia-Chun Lin, Jacopo Mauro, Thomas Brox Røst and Ingrid Chieh Yu

A Fault Tolerance Mechanism for Semiconductor Equipment Monitoring
Shao-Jui Chen, Hsueh-Wen Liu and Wei-Jen Wang

24th Nov.	10:45AM - 12:15PM	[IOV III]	Main Conference Room C

Theme	Simulations and Optimisations for IOV
Session Chair	Prof. Andrzej M.J. Skulimowski

Multi-Task Oriented Participant Recruitment for Vehicular Crowdsensing
Wenlong Zong, Zhihan Liu, Shu Yang, Quan Yuan and Fangchun Yang

Driving Fatigue Detecting Method Based on Temperature Insensitive ECG Parameters
Chen Min, Li Fengxi, Lei Jianmei, Zeng Zi, Han Qingwen and Chen Qian

Communication Quality in Anticipatory Vehicle Swarms: A Simulation-Based Model
Andrzej M.J. Skulimowski and Arkadiusz Ćwik

A Cyber-Physical Systems Approach to Optimizing Internet of Vehicles Architecture with Rapidly Evolving Technology
David Curry and Cihan Dagli

24th Nov.	12:15PM - 1:15PM	[Lunch and Poster Setting]	Training Room 1-A / 2

Lunch (with lunch box)

Poster Setting (Training Room 2)

24th Nov.	1:15PM - 3:15PM	[SOCA Session 7]	Main Conference Room A

Theme	Invited Paper Session
Session Chair	Jane Hsu

Cost- and Latency-Efficient Redundant Data Storage in the Cloud
Johannes Matt, Philipp Waibel, Stefan Schulte

Measuring Gait Speed using Temporal and Location-Aware Sensing Services in Smart Homes
Jyun-Jhe Chou, Chi-Sheng Shih, Wei-Dean Wang, and Kuo-Chin Huang

An Innovative Framework for Building Agencies-free Credit Rating Systems
Chia-Hsiang Chang, Wei-Chen Liou, William W.Y. Hsu, Jen-Ying Shih, Chung-Su Wu, and Jan-Ming Ho

Expert Delphi Survey as a Cloud Decision Support Service
Andrzej Skulimowski

24th Nov.	1:15PM - 3:15PM	[Poster Session]	Training Room 2

Session Chair	Prof. Chih-Hua Tai

Exploiting a Cloud Framework for Automatically and Effectively Providing Data Analyzers
Ching-Hsiang Su, Wei-Chih Huang, Van-Dai Ta and Chuan-Ming Liu

Enforcing Security and Privacy via a Cooperation of Security Experts and Software Engineers-a Model-based Vision
Marcus Hilbrich and Markus Frank

Near real time tracking at scale
Deepak Kumar Vasthimal, Sudeep Kumar and Mahesh Somani

UCS - A Unified Cloud Storage Integration Service
Che-Pin Chang, Hsin-Ta Chiao, Yue-Shan Chang, Ching-Tsorng Tsai, Kuo-Kai Yuen and Shyan-Ming Yuan

A Reliability-Based Resource Allocation Approach for Cloud Computing
A B M Bodrul Alam, Mohammad Zulkernine and Anwar Haque

Service Recommendation with Context-aware User Reputation Evaluation
Zhiheng Wu and Ao Zhou

An Experiment on the Load Shifting from Service Registry to Service Providers in SOA
Hsu Kuo Hsun, Lai Kuan Chou, Huang Li Yung and Yang Hsuan Fu

Building Microclouds at the Network Edge with the CLOUDY Platform
Felix Freitag

Offset-FA: Detach the Closures and Countings for Efficient Regular Expression Matching
Chengcheng Xu, Jinshu Su, Shuhui Chen and Biao Han

A Prototype for Analyzing the Internet Routing System Based on Spark and Docker
Zeng Hao, Wang Baosheng, Deng Wenping and Tang Junxing

A Hidden Markov Model-based Map-Matching Approach for Low-Sampling-Rate GPS Trajectories
Yu-Ling Hsueh, Ho-Chian Chen and Wei-Jie Huang

A Votable Concept Mapping Approach to Promoting Students' Attentional Behavior: Based on the Evidence of Mining Sequential Behavioral Patterns
Jerry Chih-Yuan Sun, Gwo-Jen Hwang, Yu-Yan Lin, Shih-Jou Yu, Liu-Cheng Pan and Ariel Yu-Zhen Chen

Reducing Imbalance Ratio in MapReduce
Hsing-Lung Chen and Yi-Siang Shen

D-XMAN: A Platform For Total Compositionality in Service-Oriented Architectures
Damian Arellanes and Kung-Kiu Lau

Research on Finding Base Stations Related to a Specific Region
Hongman Wang, Xiaoqi Zhao, Zijie Xiong and Yulong Wang

Intelligent Computing for Vehicle Form Design: A Case Study of Sand Making Machine
Feng Zheng, Chun-Chun Wei, Yang-Cheng Lin, Juan Du and Jiacheng Yao

A Study on Ad-Hoc Mesh Network for Flight-deck Interval Management of Airplanes
Ichi Kanaya and Eri Itoh

24th Nov.	3:15PM - 3:45PM	[Coffee Break]	Training Room 1-A

Coffee Break

24th Nov.	3:45PM - 5:30PM	[SOCA Session 8]	Main Conference Room A

Theme	Privacy and Trust Issues
Session Chair	Jun Na

An Approach for Top-k Recommendation Based on Trust Information
Li Rong Xiong, Ling Yan Wang and Yu Zhu Huang

A consumer review-driven recommender service for web e-commerce
Keng-Pei Lin, Chih-Ya Shen, Tzu-Lin Chang and Te-Min Chang

Trust-Aware Recommendation for E-Commerce Associated with Social Networks
Wei Liang, Xiaokang Zhou, Suzhen Huang, Chunhua Hu and Qun Jin

Analyzing Influence of Emotional Tweets on User Relationships by Naive Bayes Classification and Statistical Tests
Kiichi Tago and Qun Jin

24th Nov.	3:45PM - 5:30PM	[SOCA Session 9]	Main Conference Room B

Theme	Service Support Technology
Session Chair	Andrzej Skulimowski

A Hybrid Selective-Anyfit Genetic Algorithm for Variable-Sized Dynamic Bin Packing to Minimize Cloud Usage Cost
Janggwan Im, Sungpil Woo and Daeyoung Kim

Interactive Service for Visualizing Data Association using a Self-organizing Structure of Schemas
Takaaki Yamada, Yuko Kato, Yuki Maekawa and Tomoe Tomiyama

Resource Delivery Service System for User Engagement Improvement
Hung-Min Hsu, Chen-Sheng Gu, Lee-Tse Ting, Cheng-Yu Liu, Ray-I Chang and Jan-Ming Ho

Identifying the Most Recent Heavy Hitters in Large-scale Streams using Block-wise Counting
Fangjia Xing, Fan Zhang, Xuxiang Tian, Wenyao Li, Hanhua Chen and Hai Jin

Analysis of Health and Physiological Index Based on Sleep and Walking Steps by a wearable device for the elderly
Siyu Zhou, Atsushi Ogihara, Shoji Nishimura and Qun Jin

24th Nov.	3:45PM - 5:30PM	[SC2 VII]	Training Room 1-B

Theme	Applications 1
Session Chair	Prof. Christophe Cerin

Analysis of Influential Factors in Secondary PM2.5 by K-medoids and Correlation Coefficient
Jui-Hung Chang, Chien-Yuan Tseng, Hung-Hsi Chiang and Ren-Hung Hwang

A New Docker Swarm Scheduling Strategy
Christophe Cerin, Walid Saad, Tarek Menouer and Wiem Ben Abdaallah

Integrating TRIZ and service QFD for a lucky draw system design: The case study
Fang-Mei Tseng, Ju-Yin Weng, Nien-Chu Wu, Yu-Ying Huang, Ying-Chih Lu, Chi-Neng Liu, Yi-Chang Wang and Ya-Ting Huang

Improving OpenStack Swift interaction with the I/O Stack to enable Software Defined Storage
Ramon Nou, Alberto Miranda, Marc Siquier and Toni Cortes

24th Nov.	3:45PM - 5:30PM	[SC2 VIII]	Training Room 1-C

Theme	Applications 2
Session Chair	Prof. Marcus Hilbrich

A Fault-Tolerant ONVIF Standard Extension for Cloud-Based Surveillance Systems
Hsin-Ta Chiao, Chia-Feng Lin, Yue-Shan Chang, Ruey-Kai Sheu, Lung-Pin Chen and Shyan-Ming Yuan

Pattern-based Cloud Service Recommendation and Integration for Hybrid Cloud
Joonseok Park, Donggyu Yun, Ungsoo Kim and Keunhyuk Yeom

A recommendation-based adaptive parameter tuning approach for Hadoop
Lin Cai, Yong Qi and Jingwei Li

A Lightweight Approach to Detect the Low/High Rate IP Spoofed Cloud DDoS Attacks.
Neha Agrawal and Shashikala Tapaswi

24th Nov.	3:45PM - 5:30PM	[IOV IV]	Main Conference Room C

Theme	Services and Applications for IOV
Session Chair	Prof. Ao Zhou

TLS for Cooperative ITS Services
Mounira Msahli, Houda Labiod, Arnaud Kaiser, Brigitte Lonc and Ahmed Serhrouchni

Distributed Simulation Platform for Autonomous Driving
Jie Tang, Shaoshan Liu, Chao Wang and Chen Liu

Toward Fog-Based Event-Driven Services for Internet of Vehicles: Design and Evaluation
Yung-Li Hu, David Wei, Sy-Yen Kuo and Yennun Huang

Theoretical Proving of Optimal Communication Radius Against Traffic Congestion in Simplified
Meng Jin, Jian Wang, Zhao Liu, Yanheng Liu and Shaoqing Xu

24th Nov.	6:00PM - 7:30PM	[Banquet and Award Presentation]	Shougyo-Tei

5:40PM-6:00PM	Moving by shuttle buses from main entrance of Conference Venue to Shougyo-Tei
6:00PM-7:30PM	Banquet and Award Presentation
7:30PM-7:50PM	Moving by shuttle buses to Korimbo, Musashi-ga-tsuji and Kanazawa station

Social Events

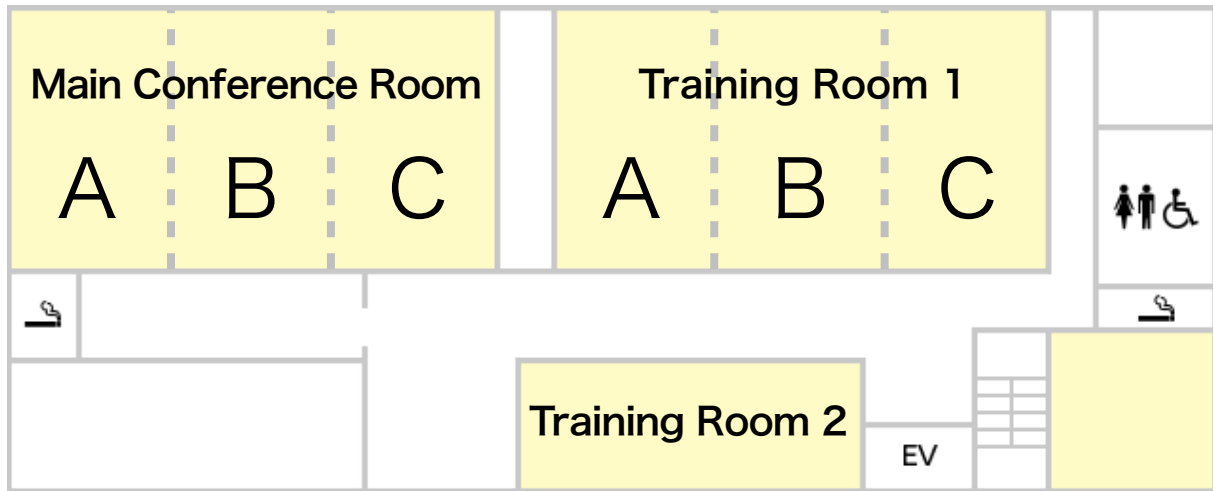**23rd November   6:00PM - 7:30PM**   Welcome Reception

Premium Red & White wine will be served.
And also, you will experience 6 kinds of Japanese sake.
Venue: Conference Venue 1F Reception Hall
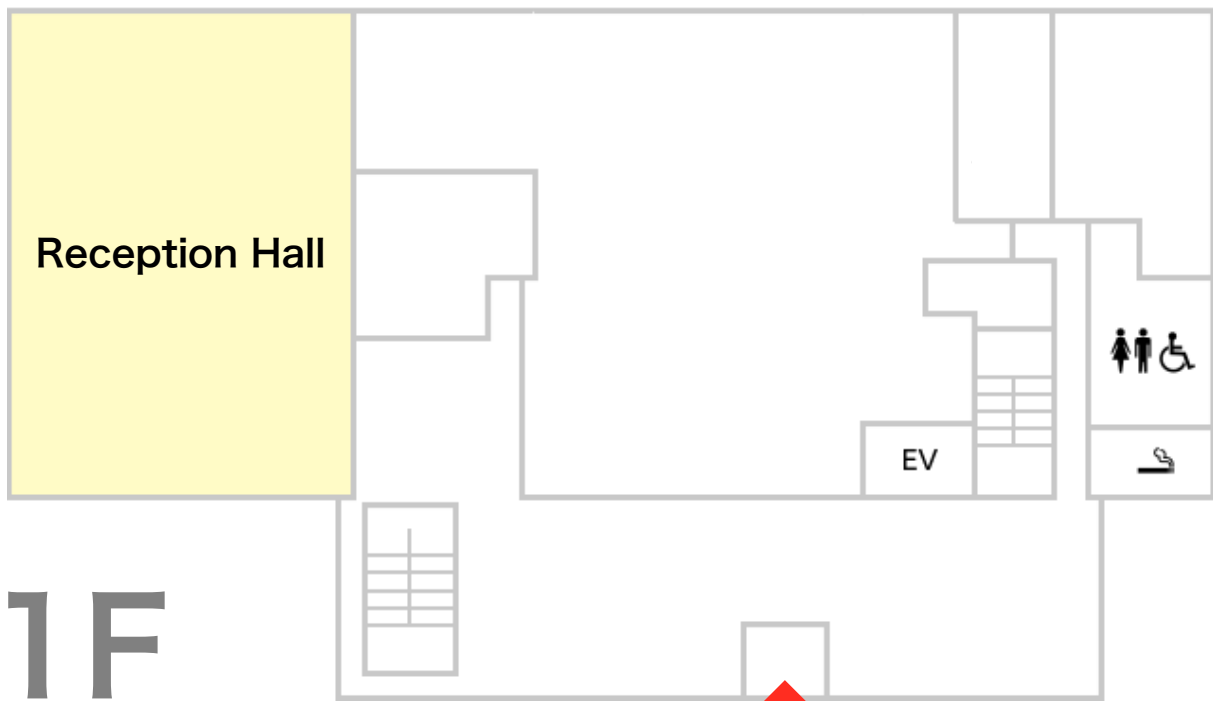
24th November   6:00PM - 7:30PM   Banquet

The shuttle bus will depart from the main entrance of Conference Venue at 5:40PM.
Local cuisine of Kanazawa will be served.
Venue: Shougyo-Tei

Floor Map

2F

Main Conference Room

A | B | C

Training Room 1

A | B | C

Training Room 2

EV

1F

Reception Hall

EV

▲
Entrance

Free Wi-Fi — SSID：kanazawa_cci_a or kanazawa_cci_g

About Kanazawa — http://www.en.visitkanazawa.jp