

# ACIS 2016: Schedule

**Regular Paper Presentation [R]: 20-25 min with 5-10 min Discussion**

**Short Paper Presentation [S]: 15 min with 5 min Discussion**

## 27-OCT, 2016, First Day

8:40- 9:00	Opening	
9:00-10:10	Keynote Session	
10:10-10:30	Coffee Break	
10:30-12:00	1A: <i>Information Systems (1)</i>	1B: <i>Special Session on Service Sciences (1)</i>
12:00-13:20	Lunch	
13:20-15:20	2A: <i>Image Recognition and its Applications</i>	2B: <i>Special Session on Service Sciences (2)</i>
15:20-15:40	Coffee Break	
15:40-17:40	3A: <i>Security and Privacy</i>	3B: <i>Special Session on Service Sciences (3)</i>
18:30-20:30	Reception	

27-OCT Thursday 9:00   10:10	<b>Keynote Session 1</b> Concept of Discard-After-Learn Approach and its Side Effects Prof. Dr. Chidchanok Lursinsap (Chulalongkorn U)	<b>Chair: (TBA)</b>
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27-OCT Thursday 10:30   12:00	<b>Session 1A</b> <i>Information Systems (1)</i>	<b>Chair: Hiroshi Tanaka</b>
	[R] Control System Management based on Unified Structured ID on Chat Room Style Real-time Messaging Platform Koji Amano, Hiroyasu Nishiyama, Minoru Koizumi, Kazunobu Fujii, Naoya Sudo, Shunichi Tano (Hitachi, Hitachi Power Solutions, U Electro-Communications)	
	[S] Development of Information Management and Entertainment Application using Smartphone and VR Technology for Human-Powered Generation System Tatsuki Ebihara, Kazuya Yashiro, Shigenori Irooi, Hiroshi Tanaka (KAIT)	
	[S] An E-commerce Infrastructure Growth Analysis and Estimation: A Case Study of Cambodia and China Vutha Phav, Akihiko Konagaya (Tokyo Institute of Technology)	

	<b>Session 1B <i>Special Session on Service Sciences (1)</i></b>	<b>Chair: Chiaki Hirai</b>
27-OCT Thursday 10:30   12:00	[R] Knowledge Management for Fostering Hospitality: A Case Study of “Kagaya” Shunichiro Morishita (Kyusyu Sangyo U)	
	[R] A Study on Deriving a Service Platform for a Super Smart Society Motohisa Funabashi (JAIST)	
	[S] Towards Value Co-creation of Older Adult Education from Service Science Perspective: a Case Study on a University in Shanghai Jinfang Cai, Michitaka Kosaka (JAIST)	

	<b>Session 2A <i>Image Recognition and its Applications</i></b>	<b>Chair: TBA</b>
27-OCT Thursday 13:30   15:30	[R] Hand Detection and Cooking Activities Recognition in Egocentric Videos Katsufumi Inoue, Misa Ono, Michifumi Yoshioka (OPU)	
	[R] Goal Scene Detection from Soccer Video by Using Telop Region Naoki Ueda, Masao Izumi (OPU)	
	[S] Multi-Person Tracking and State Analysis from Outdoor Video Tetsuya Yokota, Masao Izumi (OPU)	
	[S] Motion Analysis of Ball Juggling for Learning Support System Masao Izumi, Saki Sonoda (OPU)	
	[S] Learning Support, Motion Analysis and Human Classification as Kinect Applications Masao Izumi, Chinami Nobu, Eri Furukawa, Kazuma Takeuchi (OPU)	

	<b>Session 2B <i>Special Session on Service Sciences (2)</i></b>	<b>Chair: Haruko Nagaoka</b>
27-OCT Thursday 13:30   15:30	[R] Reciprocal Value Co-Creation in Social Services: A Case Study of a L’Arche Community Tetsuya Muramoto, Michitaka Kosaka (JAIST)	
	[R] The Architecture of Product Platform in Service Eco-System: Case Studies in Health Devices in Mobile Platform Toshinobu Ohnishi, Michitaka Kosaka (JAIST)	
	[R] A Model for Active Elderly Life based on Motivation of Skill Improvement – A Case Study of an Amateur Orchestra – Miki Fujii, Michitaka Kosaka (JAIST)	
	[R] The Service Development Process in New Business Development in the Manufacturing Industry Kazuhiro Oshio (JAIST)	

	<b>Session 3A <i>Security and Privacy</i></b>	<b>Chair: Ryoju Hamada</b>
27-OCT Thursday	[R] Impact of Cloud Computing Risks on Personal Security Behaviors—An Empirical Research Hui Shi, Zhiying Wang, Nianxing Wang, Shilun Ge (JiangSu U of Science & Technology)	
15:50	[R] Individual Identification from Simple Gestures by Using Kinect Hajime Kodaira, Masao Izumi (OPU)	
17:50	[R] Terms of Social Network Service and Personal Data Protection Act Ryoju Hamada (SIIT, TU)	
	[R] Protecting Privacy in Secondary Use of Buying History Haruki Osamura†, Yoji Taniguchi‡, Hiroshi Yajima† (Tokyo Denki U† & Daiichi Institute of Technology‡)	

	<b>Session 3B <i>Special Session on Service Sciences (3)</i></b>	<b>Chair: Michitaka Kosaka</b>
27-OCT Thursday	[R] A Social Content Management Model Based on S-D Logic Wan Azlin Zurita, Wan Ahmad, Muriati Mukhtar (NUM)	
15:50	[R] Research on Video Advertisements Effect Based on EEG: ERSP and Emotion for Commercial Effect Jing Wang, Weiwei Xu (Beihang U)	
17:50	[R] Story telling with Service Simulations Chiaki Hirai, Yukiko Morimoto, Masahide Ban, Masaaki Tanizaki (Hitachi)	
	[S] Adoption of Unified Communication and Collaboration Services: A Service Dominant Logic Perspective Emy Salfarina Alias, Muriati Mukhtar (U Kebangsaan Malaysia)	

## 28-OCT, 2016, Second Day

8:40-10:10	4A: <i>Software Engineering and Decision Making</i>	4B: <i>Text Processing and Natural Language Processing</i>
10:10-10:30	Coffee Break	
10:30-12:00	5A: <i>Data Mining and Machine Learning</i>	5B: <i>Education Engineering</i>
12:00-13:20	Lunch	
13:20-14:40	Keynote Session	
14:40-15:00	Coffee Break	
15:00-16:30	Poster	
16:30-18:00	6A: <i>Contextual Modeling and its Applications</i>	6B: <i>Text Mining and Document Analysis</i>
18:30-20:30	Banquet	

	<b>Session 4A <i>Software Engineering and Decision Making</i></b>	
	<b>Chair: Tetsuo Tanaka</b>	
28-OCT Friday 8:40   10:10	<p>[R] SCRUM Adoption: A Solution to Backlog Problems Nosheen Khan†, Naveed Ikram‡*, Salma Imtiaz* (International Islamic U†*, Riphah International U‡*)</p> <p>[R] Extraction of a Developer's Programming Contribution based on Source Code Profiling Takayuki Kasai, Kosuke Takano (KAIT)</p> <p>[S] Possible Worlds Framework for Decision Making of Intelligent Agents Kazunori Matsumoto, Tetsuo Tanaka, Shigenori Ioroi (KAIT)</p>	

	<b>Session 4B <i>Text Processing and Natural Language Processing</i></b>	
	<b>Chair: Ryosuke Saga</b>	
28-OCT Friday 8:40   10:10	<p>[R] Place name extraction and area identification in a sightseeing map Minoru Ueda, Ryosuke Saga (OPU)</p> <p>[R] Using Ontology to Solve Ambiguity of Complex Taxonomy Classes in Thai Text Classification Boonthida Chiraratanasopha (Walailak U), Salin Boonbrahm (Walailak U), Thanaruk Theeramunkong (SIIT, TU), Taneth Ruangrajitpakorn (NECTEC)</p> <p>[S] Trend Analysis for Patent Dataset by Network Visualization Ryosuke Saga, Takuya Yuto (OPU)</p>	

	<p><b>Session 5A <i>Data Mining and Machine Learning</i></b></p> <p style="text-align: right;"><b>Chair: Masakazu Takahashi</b></p>
28-OCT	[R] Product Requirements Classification Model using SVM Eakgarin Ouysonitwong, Kanjana Thongglin (PSU)
Friday	[R] Hybrid Imputation Framework for Data Clustering using Ensemble Method Mullika Pattanodom†, Natthakan Iam-On (Mae Fah Luang U), Tossapon Boongoen (Navaminda Kasattriyadhiraj Royal Air Force Academy)
10:30	
12:00	[R] A Study on Comparative Evaluation of Payment Rate Prediction Methods in the Mail Order Business Hiroki Azuma†, Masakazu Takahashi‡, Norihiro Yoshida*, Kazuhiko Tsuda † ( † U Tsukuba, ‡ Yamaguchi U, *Mediplus Inc.)

	<p><b>Session 5B <i>Education Engineering</i></b></p> <p style="text-align: right;"><b>Chair: (TBA)</b></p>
28-OCT	[R] Correlation of the Question through a Questionnaire Survey Using the Inferential Skills Apichaya Khwankaew, Kiyota Hashimoto (PSU)
Friday	[S] Examining Effect and Expectation of Reading Simple Source Codes for Improving Programming Skill Shimpei Matsumoto†, Koki Okimoto†, Shuichi Yamagishi†, Tomoko Kashima* (Hiroshima Institute of Technology†, Kindai U*)
10:30	
12:00	[S] Framework for Student Recommendation Based on VARK and 4MAT Theory Sared Wansopa, Thongchai Kaewkiriya (TNI)

28-OCT	<b>Keynote Session 2</b>	<b>Chair: Kiyota Hashimoto</b>
Friday	Analyzing Social Activity using Number of Agents	
13:20	Prof. Dr. Kenichi YOSHIDA (U Tsukuba)	
14:40		

	<b>Poster Session</b>	
	Automatic Running and Walking Recording System Developed for Elderly People Izumi Yoshii, Yukie Majima (OPU)	
	A Study for Abnormality Notification System in Orchard Hitomi Kumasaka, Teppei Murase, Shingo Otsuka (KAIT)	
	Towards Advanced Sensor-based Baseball Pitcher Coaching: Preliminary Investigation of Early Classification of Pitches Takuya Maekawa, Kazuya Ohara, Yizhe Zhang, Quan Kong, Keita Kobayashi (Osaka U)	
	Preliminary Investigation of Unsupervised Measurement of Assembly Work Lead Time by Using Wearable Sensor Kazuya Ohara, Daisuke Nakai, Takuya Maekawa, Yasuo Namioka (Osaka U)	
28-OCT	Prototype of Trip Social Networking Service with Route Sharing Function Daowan Kitt, Tetsuo Tanaka (KAIT)	
Friday	A Study on Factors Causing Cost Variation of Project Delivery Estimation for Software Development Tsuyoshi Shida, Kazuhiko Tsuda (U Tsukuba)	
15:00	Prototype of Functions for Actual Work Time Measurement and for Task Cost Estimation on the Digital Kanban Shun Nakazawa, Tetsuo Tanaka, Kazunori Matsumoto (KAIT)	
	Relationship Between Variations of the Road Surface and the Seating Pressure Distribution Satoshi Ohashi† Akito Shiogo† Kenta Kaito† Akira Shionoya‡ ( † National Institute of Technology, Tomakomai College, ‡ Nagaoka U of Technology)	
16:15	Preliminary Investigation for Japanese Comic Analysis using Wikipedia Mitsuo Yoshida (Toyohashi U of Technology)	
	A Support Method of Common Gesture Operation Consistency for Android Applications Hajime Iwata, Yusuke Sekino (KAIT)	
	An Agent-Based Scenario Analysis for Tourism Policy Decisions Shinnosuke Hosonuma†, Satoshi Takahashi‡, Atsushi Yoshikawa†, Takao Terano† ( † Tokyo Institute of Technology, ‡ Tokyo U of Science)	

	<p><b>Session 6A Contextual Modeling and its Applications</b></p> <p style="text-align: right;"><b>Chair: Tomoko Kashima</b></p>
28-OCT Friday 16:30   18:00	<p>[R] Meal Entropy Proposal for Consecutive Meals Planning Tomoko Kashima (Kindai U), Yukiko Orito (Hiroshima U), Hiroshi Someya (Tokai U)</p> <p>[R] Accurate Indoor Positioning using Sound with Distributed System Configuration Kazumasa Kaneta, Miyabi Naruoka, Shigenori Irooi, Hiroshi Tanaka (KAIT)</p> <p>[R] Assessing Spatiotemporal Context of User's Daily Behavior to Facilitate Subtle Deviation Megumi Yasuo, Nanae Shirozu, Mitsunori Matsushita (Kansai U)</p>

	<p><b>Session 6B Text Mining and Document Analysis</b></p> <p style="text-align: right;"><b>Chair: Sachio Hirokawa</b></p>
28-OCT Friday 16:30   18:00	<p>[R] Discovery of Cultural Tourism Preference in Multilingual Tourism Information Site Chao Zeng, Tetsuya Nakatoh, Hiroyuki Takeshita, Ryoji Hisadomi, Masanari Eguchi, Sachio Hirokawa (Fukuoka Institute of Technology, Kyushu U, Media International)</p> <p>[S] User Comments Analysis in Consideration of Profile of the Guests' Review Koichi Tsujii, Koji Tanaka, Yoshikatsu Fujita, Kazuhiko Tsuda (U Tsukuba)</p> <p>[S] A Study on Comparative Approach the Side Effect Frequency of Medicine by Text mining Takashi Ikoma†, Yoshikatsu Fujita*, Masakazu Takahashi**, Kazuhiko Tsuda† (†U Tsukuba, *Teikyo U, **Yamaguchi U)</p>

## 29-OCT, 2016, Third Day

8:40-10:30	7A: <i>SS2 on Comic Computing</i>	7B: <i>Information Systems</i>
10:30-10:50	Coffee Break	
10:50-11:10	Closing Ceremony	
11:45-12:45	Lunch	
13:00-17:00	Technical Visits	

29-OCT Friday 8:40   10:30	<b>Session 7A <i>SS2 on Comic Computing</i></b>		<b>Chair: Mitsunori Matsushita</b>
	[R]	Estimation of Speech-balloon Shapes Based on Linguistic Features Ryosuke Yamanishi, Hideki Tanaka, Yoko Nishihara, Junichi Fukumoto (Ritsumeikan U)	
	[R]	Exploratory Search System Based on Comic Content Information Using a Hierarchical Topic Classification Ryo Yamashita, Kahori Okamoto, Mitsunori Matsushita (Kansai U)	
	[R]	Information Access Method Triggered by User's Interests during Comic Reading Yukihiro Moriyama, Megumi Yasuo, Mitsunori Matsushita (Kansai U)	
	[S]	Analysis of Japanese Animation Dialogue Level using Japanese Expressions Junjie Shan, Yoko Nishihara, Ryosuke Yamanishi, Junichi Fukumoto (Ritsumeikan U)	

29-OCT Saturday 8:40   10:30	<b>Session 7B <i>Information Systems (2)</i></b>		<b>Chair: Shimpei Matsumoto</b>
	[R]	Stamp-On Interface at a Museum Studies Ayako Ishiyama†*, Fusako Kusunoki‡, Keita Muratsu‡, Shigenori Inagaki‡ & Takao Terano * ( †Tama Art U, ‡ Kobe U, *TITech)	
	[R]	A New method of Measuring Soil Moisture for Smart Farming Alireza Ahrary (Sojo U), Masayoshi Inada (FusionTech)	
	[R]	Differentially switched to VPN bypass for dependable offshore systems Hiroshi Fujikawa†, Ernesto Damiani‡*, Yukiko Yamamoto**, Hirofumi Yamaki**, Setsuo Tsuruta**(†Shanghai Maruka Computer Information Technology, ‡Khalifa U of Science Technology and Research, *Universita' degli Studi di Milano, **Tokyo Denki U)	
[S]	Proposal of Gaseous State Natural Gas Transport System by Huge Flying Yacht (Huge Air-ship equipped with catamaran or trimaran) Hiroshi Itokawa, Yukio Noguchi (NAVDA)		