The 15th International Symposium on

Knowledge and Systems Sciences

Since 2000

Sapporo

Ishikawa

Tokyo

Osaka

November 1-2, 2014

Hokkaido University

International Society for Knowledge and Systems Sciences, Since 2003

Keynote Speeches

NOV 1, 9:30-10:40,

Prof. Shouyang WANG (Chinese Academy of Sciences, CHINA)

Title: *Knowledge Management in Economic Forecasting*

NOV 1, 10:50-12:00

Prof. Rossi SETCHI (Cardiff University, UK)

Title: *Computational Semantics in Knowledge Engineering*

NOV 2, 9:20-10:30,

Prof. Kyoichi KIJIMA (Tokyo Institute of Technology, JAPAN)

Title: *Service Ecosystems Innovation in Multi-level Adaptive Cycles Model Perspective*

Forerunner of this society in 1990s:

UK-China-Japan Workshop on Systems Methodology

– Cross-Cultural Learning and Integration –

Time			Room A		Time			Room B	
08:30-09:10		Registration							
09:20-09:30			Opening of the KSS 2014						
09:30-10:40	Chair: Yoshiteru Nakamori	Keynote 1	Shouyang Wang	Knowledge Management in Economic Forecasting					
10:40-10:50		Break							
10:50-12:00	Chair: WB Lee	Keynote 2	Rossi Setchi	Computational Semantics in Knowledge Engineering					
12:00-13:00		Lunch Break							
13:00-15:00	Chair: Wen Zhang		Knowledge Management		12:40-13:40			Board Meeting	
		Presen 01	Yasuo Sasaki*	Systems Intelligence in Knowledge Management Implementation: A Momentum of the SECI Model					
		Presen 02	Zili Feng* Lingling Zhang Xinxin Gao Qing Zhao	Economic News Knowledge Management System Framework Design for Xinhua News Agency	13:40-15:00	Chair: Jian Chen		Service Systems	
		Presen 03	Xilin Yang* Yanzhong Dang Yongsheng Qian Deqiang Hu Xin Yue	Research on Affection and Its Impact on Interpersonal Knowledge Interaction Based on Computational Experiment			Presen 07	Yan Lin* Jian Chen	Is their knowledge valuable to bring us newness? Effects of using automakers' knowledge in parts suppliers' inventions
		Presen 04	Qiuyan Zhong* Huifang Hue Huimei Dong	Research on Response Implementation Process Generation of Unconventional Emergency			Presen 08	Kazuhiko Goda* Kyoichi Kijima	Servitization of Machine-Tool Trading Company to Value Orchestration Platform: Japanese Integral Modular Strategies in Quality Control Perspective
		Presen 05	Shuangling Luo* Yanzhang Wang	Reconciling the Dual Dynamics of Meme Spreading and Opinion Evolution in Social Media			Presen 09	Yuting Chen* Weihua Cui Xian Yang Guangfei Yang	Deriving Consumer Behavior Differences between China and America by Mining Consumer Reviews
		Presen 06	Jessica Y.T. Yip* Rongbin W.B. Lee	Responding to Institutional Complexity: An Evaluative Inquiry Approach for Business Strategy Formulation			Presen 10	Xiaoning Lv Xuezhi Qin*	Impact of the Deposit Insurance on Deposit Removal among Banks
15:00-15:30		Coffee Break			15:00-15:30		Coffee Break		
15:30-17:30	Chair: Tieju Ma		Decision Analysis		15:30-17:30	Chair: Xijin Tang		Data Management	
		Presen 11	Tieju Ma*	Comparing Countries'/Areas' Productive Knowledge with International Trade Data			Presen 17	Zhenpeng Li Xijin Tang*	Triadic and M-cycles Balance in Social Network
		Presen 12	Hongbin Yan* Tieju Ma	A Group Uncertain QFD Model based on Fuzzy Majority			Presen 18	Wen Zhang* Lean Yu Xijin Tang Taketoshi Yoshida	Feature Weighted Confidence to Incorporate Prior Knowledge with Support Vector Machines for Text Classification
		Presen 13	Han Qiao* Yifan Yang Jian Ma Zhiwei Wang Hongxing Wang	A Game Theory Framework to Analyze Mechanism of Science & Technology Secret-level Setting Policy in China			Presen 19	Jiangnan Qiu* Guangyuan Wang Kuo Zhang	Research on Semantic Transitivity Laws Based on Association Analysis in Objective Knowledge System
		Presen 14	Kota Ito* Norimasa Kobayashi Kyoichi Kijima	A Game-Theoretical Formulation of the Simplest Social Norms with Procedural Utility			Presen 20	Guangfei Yang* Jian Huang Weihua Cui1 Lian Lian	PM2.5 Forecast Based on Symbolic Regression in Dalian, China
		Presen 15	Yasunori Kojima* Norimasa Kobayashi Kyoichi Kijima	Research on Solution Concept of Extensive Hypergame			Presen 21	Jindong Chen Xijin Tang*	Societal Risk Classification of Post Based on Paragraph Vector and KNN Method
		Presen 16	Yu Yu Qinfen Shi* Weiwei Zhu Jie Wu Qian Wang	Modeling Knowledge Flow Based on Knowledge Life Cycle: A Colored Petri Net Approach			Presen 22	Daniel Ching Wa Ng*	A Conjecture of Applying Random Matrix Theory (RMT) to Social Big Data Set in High Dimensionality
18:30-20:30			Banquet at Sapporo Aspen Hotel						

				Room A						Room B	
09:20-10:30	Chair: Jiangning Wu	Keynote 3	Kyoichi Kijima	Service Ecosystems Innovation in Multi-level Adaptive Cycles Model Perspective							
10:30-10:40		Break									
10:40-12:00	Chair: Haoxiang Xia			Information/Knowledge Strategy		10:40-12:00	Chair: T. Yoshida			Socio-Technical Systems	
		Presen 23	Haoxiang Xia* Aiguo Zheng	An Information Diffusion Model Based on Complex Contagion				Presen 27	Jifa Gu*	Research on a Practical System Approach - "Mo'' Approach	
		Presen 24	Jiangning Wu* Xiaotong Shi Donghua Pan	Computational Modeling of Process of Transactive Memory Formation in Work Teams				Presen 28	Ayako Sawada* Taketoshi Yoshida	The Use of Regional Historical Materials and CGM for the Expansion of Inbound Tourism	
		Presen 25	Hiroshi Naruse* Michitaka Kosaka	A Proposal of Service Value Model in the Technology Intelligence Activities - A Case Study of Technology Strategy Formulation in the IT Company –				Presen 29	Xuehua Wang* Yue Ge Wenjun Zhou	Construction and Analysis of Derived Hazard Network of Typhoon	
		Presen 26	Aolin Leng* Ju'e Guo Nanyan Dong Guangyuan Xing	The More Financial Knowledge the More Stock Investment Return? - Empirical Evidences from Chinese Individual Investors				Presen 30	Lili Rong* Zijun Qie	A Systematic Study on the Construction of Complex Disaster Scenarios	
12:00-13:00		Lunch Break				12:00-13:00		Lunch Break			
13:00-14:20	Chair: Xijin Tang			Knowledge Science		13:00-14:20	Chair: Lili Rong			Service Science	
		Presen 19	Bin Shen* Xingsen Li	IBEST@SEE Methodology and Its Applications in Big Data Assisted Scientific Discovery				Presen 35	Jing Wang Lili Rong* Mingzheng Wang	Method of Constructing Universal Template of Emergency Response Oriented Disaster Theme	
		Presen 32	Jing Sun* Yoshiteru Nakamori	Knowledge Creation Strategies for Graduate Researches				Presen 36	Yijun Liu* Qianqian Li	Superlink Prediction and its Application in the Super Network of Public Opinion	
		Presen 33	Yongliang Zhao Xijin Tang*	In-depth Analysis of Online Hot Discussion about TCM				Presen 37	Wentao Guo* Van Nam Huynh Michitaka Kosaka Yoshiteru Nakamori	Evaluation of Service Based on Proportional Fuzzy Linguistic Distribution Model	
		Presen 34	Narongsak Pongsathornwiwat* Van Nam Huynh Thanaruk Theeramunkong Chawalit Jeenanunta Yoshiteru Nakamori	A Hybrid Approach to Linguistic Multi-Expert Multi-Attribute Decision-Making Problem				Presen 38	Weihua Cui Xian Yang Guangfei Yang* Chonghui Guo	The Word-of-mouth Ranking Method Based On Chinese Customer Reviews	

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*Pre-Symposium, October 31, 2014
Knowledge Synthesis and Justification*

*Post-symposium, November 3, 2014
Meta-synthesis and Complex Systems*