

The 13th International Symposium
on
Knowledge and *Systems* Science

Japan Advanced Institute of Science and Technology

November 16-20, 2012



Organizer:

International Society for Knowledge and Systems Science



Date	Time slot	Chair	Session	Authors	Paper title
Nov. 19	13:30 15:00	Chonghui Guo	1A	H. Matsushita, K. Kijima	Value Co-creation of Health Care Services through Competency Modeling
				Y. Morita, Y. Nakamori	Analysis of Sales Professionals' Requisites: A Case Study in Small- and Medium-Size Car Dealers in Japan
				B. S. Kumar, M. Ryoke	Evaluation of Business Strategies of Mobile Phone Operators using Agent-based Simulation
		Kunio Shirahada	1B	W. Dong, K. Shirahada, M. Kosaka	A Korean Language Education Service based on a New Concept of Experience Sharing Service Value Co-creation
				Q. Zhang, M. Kosaka	A Service Communication Process to Streamline Efficient Service Behaviors for Knowledge Creation in Collaboration
				Y. Nie, K. Shirahada, M. Kosaka	Transforming Leadership for Enterprise Transformation
		Mina Ryoke	1C	H. Chen, T. Ma	An Optimization Model with Limited Foresight and Endogenous Technological Change
				Y. Liu , T. Ma	Empirical Research on the Relation between Export Technology Complexity and Real Exchange Rate
				S. Chang, M. Ichikawa, H. Deguchi	Allocative Efficiency of E-government User Support for Different Social Groups: An Agent Based Approach
	15:30 17:00	Tiejun Ma	2A	K. Shirahada, S. Kunifuji	City's Role for Creating Transformative Service: Case Study of Nomi City, Japan
				M. Moriya, M. Ryoke	Information Balance between Government and Receiver in a case of Great East Japan Earthquake and Fukushima Nuclear Power Plant Accident
				K. Watanabe, M. Ryoke	Local Perceptions of Regional Attractiveness as an Approach for Promoting Resettlement of Rural Areas
		Thavatchai Ngamsantivong	2B	Z. Li, J. Wu, X. Zhu	An Implicit Trust Based Collaborative Filtering Recommendation Approach by Analyzing Individual Rating Habits
				H. Zhang, J. Wu, D. Pan	A Temporal Topic Chain Mining Method Based on the Scientific Literature
				K. Than, T. B. Ho	Automatic Construction of Knowledge from Large Unstructured Data with Topic Modeling
		Chunlai Zhou	2C	C. Zhou, M. Wang	Updating Beliefs on Lattices
				T. Murai, S. Miyamoto, M. Inuiguchi, Y. Kudo, S. Akama	Fuzzy Multisets in Granular Hierarchical Structures Generated from Free Monoids
				K. Endo, T. Murai, Y. Kudo, M. F. Kawaguchi, N. V. Huynh	Algebraic Agents Playing a Board Game for Kansei Engineering



School of Knowledge Science,
Japan Advanced Institute of Science and Technology





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Nov. 20	13:30 15:00	Haoxiang Xia	3A	Rong Lili, Lu Ronghui	An Evaluation Method of Contingency Plans Based on Content Clustering
				H. Xia, X. Han	A Variant Culture Dissemination Model on Adaptive Network
				T. Ruya, Y. Liu, J. Gu	Study on the Risk Level Information Database of Key Roles in Emergency Online Public Opinion
		Mingzheng Wang	3B	M. Wang, Y. He	A Heuristic Item-sanitization Method for Hiding Sensitive Association Rule in Business Collaboration
				J. Huang, J. Wu, C. Guo	Simulation of Emergence of Opinion Leaders in Word-of-Mouth Network
				T. Ngamsativong	Mapping Models to the Code
		Tetsuya Murai	3C	X. Yang, J. Wu, G. Yang	Identifying Valuable Product Features by Mining Consumer Reviews on Chinese E-Commerce Websites
				M. Ryoke, Y. Yamashita, Y. Nakamori	Analysis of Kansei Evaluation Data Collected in a Consumption Area on Traditional Crafts
				H. Ju, M. Makowski, H. Ren, Y. Nakamori	Target-Oriented Multi-Criteria Analysis for Selecting Traditional Crafts
	15:30 17:00	Jiangning Wu	4A	G. Yang, Y. Dang	Coordination, Knowledge Coordination and Knowledge Coordination Management
				W. Zhang, Y. Nakamori	A Systematizing Study on Knowledge Management Methodologies
				J. Sun, Y. Nakamori	Exploring Academic Knowledge Creation Models in Knowledge Science Researches
		Le Anh Cuong	4B	N. T. Le, Y. Tsuruoka, T. B. Ho	Study on Literature-based Seeded Networks for Inferring Histone Modification Relationships
				T. N. Bui, T. B. Ho, S. Kawasaki	An Adaptive A Priori Algorithm for Design Rules of Effective and Ineffective siRNA Sequences
				A. C. Le	Exploiting Non-Parallel Corpora and Improving the IBM Alignment Models for Statistical Machine Translation
		Xijin Tang	4C	Y. Li, Y. Dang	Research on Affection-based Relations of Interpersonal Knowledge Network
				L. Cao, X. Tang	An Illustrative Analysis of College Students' Friendships Based on Dynamic Social Network Models
				J. Y.T. Yip, W.B. Lee, E. Tsui	Knowledge Audit for Structured and Unstructured Business Processes
				G. Xie, W. Yue, S. Wang	Least Squares Support Vector Regression for Container Throughput Forecasting-Preprocessed by Seasonal Decomposition



November 19, Monday

KSS2012 (High-Tech Exchange Center)

Main Hall

Rooms A, B, C

8:30 Bus to High-tech (from KIH)

9:00 KSS Registration

Keynote Speech #1

Nakamori Y

Chair of KSS2012

Knowledge and Systems Science

10:30 | 11:00 Break

Keynote Speech #2

Kosaka M

KS Dean

Knowledge Science and Service Systems

12:00 | 13:30 Lunch Break

Tutorial Lecture #1

Wierzbicki AP

Orientation of Knowledge
Science

Session 1A, 1B, 1C

9 papers

15:00 | 15:30 Break

Tutorial Lecture #2

Zhu ZC

Knowledge Management
with Systems Thinking

Session 2A, 2B, 2C

9 papers

17:00 Discussion

17:30 Bus to Hotel (KIH)

18:30 | 20:00 Banquet (Kanazawa International Hotel)



November 20, Tuesday

KSS2012 (High-Tech Exchange Center)

Main Hall

Rooms A, B, C

8:30 Bus to High-tech (from KIH)

9:00 KSS Registration

Keynote Speech #3

Lee WB

Editor-in-Chief

International Journal of KSS

Serendipity and

Co-creation in Open Innovation

10:30 | 11:00 Break

Keynote Speech #4

Denoeux T

Editor-in-Chief

International Journal of Approximate Reasoning

Theory of Belief Functions: Basic Principles and

Applications

12:00 | 13:30 Lunch Break

Tutorial Lecture #3

Ma T

Complex Adaptive Systems
Analysis

Session 3A, 3B, 3C

9 papers

15:00 Break

Tutorial Lecture #4

Huynh VN

Target-Oriented Decision
Analysis

Session 4A, 4B, 4C

10 papers

17:00 Closing

17:30 Bus to Hotel (KIH)