

Jason J. Jung, Ph.D

CONTACT INFORMATION

Department of Computer Engineering
Yeungnam University
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RESEARCH INTERESTS

Collective Intelligence, Intelligent Agent Systems,
Social Data Mining,
Knowledge Grid and Semantic Grid (Grid Computing),
Ambient Intelligence, Green Computing

ACADEMIC EXPERIENCE

Yeungnam University, Korea
Professor (Assistant Professor)

Sept. 2009 - Present

Yeungnam University, Korea
Professor (Full-time lecturer)

Sept. 2007 - Aug. 2009

Inha University, Korea
Research Professor (funded by Brain Korea 21)

Sept. 2006 - Aug. 2007

INRIA Rhône-Alpes, France
Postdoctoral researcher

Sept. 2005 - Sept. 2006

Interoperability in a network of local lightweight ontologies
(Supervisor: Dr. Jérôme Euzenat)

Fraunhofer FIRST, IDA Group, Berlin, Germany
Visiting Scientist

February - August 2004

Temporal Model Selection Based on Semi-supervised Learning
(Supervisor: Prof. Dr. Klaus-Robert Müller)

Inha University, Korea
Research Assistance

March 1999 - August 2005

Part-time lecturer

September 2004 - August 2005

Computer Programming, Word-processing

RESEARCH PROJECTS

On-going

- Privacy-aware recommendation system by using semantic technologies, NRF, 2011/05/01 - 2014/04/30
- Efficient Information Retrieval System by Ontology Mapping Composition in a Large scale distributed environment, NRF, 2009/05/01 - 2012/04/30

Finished

- Multilingual Ontology, NRF-KICOS (Korea-Sweden bi-lateral projects), 2008/10/01 - 2011/09/30
- Ontology Distances on Semantic Social Networks, NRF-KICOS (Korea-France STAR: Science and Technology Amicable Relationship), 2009/05/01 - 2011/04/30
- Intelligent Ambient Services through Ontology-based Spatial Matching, Korean Science and Engineering Foundation (Basic Research Program, May 2008 - February 2010, 80M Won)

- Ontology Mapping for Multiple Ontology Management and Evaluation, Institute of Information Technology Assessment, Korea (April 2008 - January 2009, 19M Won) link
- Cultural Heritage Based on Semantic Web, Yeungnam University (Young Researcher Program, October 2007 - September 2008, 15M Won)
- Collective Intelligence on Semantic Web, Korea Research Foundation (International Collaboration Program, September 2007 - August 2008, 20M Won)
- Semantic Social Networks, SaltLux (September 2007 - January 2009, M Won)
- Ontology Mapping for Multiple Ontology Management and Evaluation, CoreOnto (September 2007 - January 2009, ?M Won)
- Intelligent Wire and Wireless Internet e-Marketplace Platform on Semantic Web
- Extracting User Preferences Based on Semantic Web Mining
- Automatic Construction Systems for Hierarchical User Preference Map and User Clustering Based on Web Logs
- PDA based Application for applying e-Worldcup systems
- Intelligent Automated Negotiation Mobile Agent Systems on the Wire-Wireless Internet Commerce

EDUCATION

Inha University, Korea

Ph.D., Computer and Information Engineering, August 2005

- Dissertation: "Model selection based on semantic subspace theory with lightweight ontologies"
- Advisor: Prof. Geun-Sik Jo

Inha University, Korea

M.S., Computer and Information Engineering, February, 2002

- Thesis: "Collaborative web browsing system based on sharing bookmarks"
- Advisor: Prof. Geun-Sik Jo

Inha University, Korea

B.A., Computer and Information Engineering, February, 1999

B.A., Mechanical Engineering, February, 1999

- Thesis: "A study of controlling two link flexible robot arm"
- Advisor: Prof. Seung-Bok Choi

HONORS AND AWARDS

Marquis Who's Who 2009 in the World.

Marquis Who's Who 2007, 25th Silver Anniversary Edition.

Best Paper Award, The 1st KES International Symposium on Agent and Multi-Agent Systems - Technologies and Applications (KES-AMSTA 2007), Wroclaw, Poland, 2007.

Grants for Pre-doctoral student, Korean Research Foundation (KRF) (November 2004 - August 2005)

Best Paper Award, The First International Workshop on Modern Technologies for Web-based Adaptive Systems, Krakow, Poland, 2004

Korea-Germany Graduate Students Exchange Program, funded by KOSEF (Feb. 2004 - Aug. 2004)

Korean Research Foundation (KRF) Scholarship (Fall 2003)

Microsoft Research (MSR) Asia Scholarship (2003 - 2004)

Full Scholarship for Doctoral Course in Inha University

PROFESSIONAL EXPERIENCE

Invited Talks

Ego-Centric Social Network Discovery and Management, Korea Computer Congress 2011, GyeongJu,

Korea, 1 July, 2011.

From Social Links to Knowledge Grid, The University of Seoul, Seoul, Korea, 15 October, 2010.

Semantic Business Process Integration based on Ontology Alignment, Poznan University of Technology, Poznan, Poland, 28 June, 2010.

Contextual Recommendation Based on Reality Mining, Poznan University of Technology, Poznan, Poland, 28 June, 2010.

Semantic Web, Scientific School on Intelligent Systems, Quang Binh University, Dong Hoi city, Vietnam, 22-23 March, 2010.

Contextualized Recommendation Based on Reality Mining from Mobile Subscribers, INRIA Rhone-Alpes, Montbonnot, France, 27 August, 2009.

Disposal Chain Management by Green Computing, Chosun University, Gwangju, Korea, 30 July, 2009.

Korea-Sweden Joint Research Program, "Multilingual ontologies," Stockholm University, Kista, Sweden, 28 Jan, 2009.

Towards Semantic Social Networks, Information and Communication University, Daejeon, Korea, 23 Jan, 2009.

Semantic Web: A New Possibility?, Wroclaw University of Technology, Wroclaw, Poland, 16 June, 2008.

Semantic Web Technology for Data Analysis, Korea Institute of Science and Technology Information (KISTI), Daejeon, Korea, 26 May, 2008.

Knowledge Distribution Based on Community of Practice Identification from Blogosphere, Universite du Quebec Montreal (UQAM), Montreal, Canada, 12 December, 2007.

Emerging Issues on Knowledge Sharing, Inha University, Incheon, Korea, 27 February, 2007.

Semantic Web: A New Possibility?, Supreme Court of Korea & LG CNS, Seoul, Korea, 29 March, 2007.

Building and Socializing Personal Ontologies on Web 2.0, Semantic Web 2.0 Conference, Seoul, Korea, 13 February, 2007.

Semantic Social Network on Blogosphere, Inha University, Korea, 23 September, 2006.

Semantic Web and Social Network, Wroclaw University of Technology, Poland, 28 June, 2006.

Editorship

Editorial Board Member of International Journal of Web Engineering and Technology (IJWET) InderScience (2011 - Present)

Editorial Board Member of Central European Journal of Engineering (CEJE) Springer (2011 - Present)

Editorial Board Member of ISRN Artificial Intelligence (ISRN-AI) Hindawi (2011 - Present)

Editorial Board Member of International Journal of Social Network Mining (IJSNM) InderScience (2010 - Present)

Editorial Board Member of INFORMATION-AN INTERNATIONAL INTERDISCIPLINARY JOURNAL, International Information Institute (2010 - Present)

Editorial Board Member of Journal of Emerging Technologies in Web Intelligence (JETWI), Academy Publishers (2009 - Present)

Editorial board member of International Journal of Intelligent Information and Database Systems, InderScience (2009 - Present)

Associate Editor of International Journal of Applied Intelligent Systems, Serials Publications Publishers (2008 - Present)

Editorial board member of Advances in Applied Intelligence Technologies (AAIT) Book Series, IGI Global, 2008 - Present.

Editorial board member of Korean Journal of Intelligent Information Systems, 2008 - Present.

Editorial Board Member, Journal of Universal Computer Science (2006 - Present)

Guest Co-Editor, "Semantic Interoperability for Automated Enterprises," Enterprise Information Systems, 2013.

Guest Editor, "Nature-inspired Knowledge Management Systems," The Computer Journal, 2012.

Guest Co-Editor, "Advances on Social Network Applications," Journal of Universal Computer Science, 2012.

Guest Editor, "Advances in Intelligent e-Business and Cloud Computing," Information - An International Interdisciplinary Journal, 2011.

Guest Co-Editor, "Advances in Intelligent Grid and Cloud Computing," Information Systems Frontier, 2011.

Guest Co-Editor, "Engineering Knowledge and Semantic System in Korea," INFORMATION: An International Journal, 2010.

Guest Co-Editor, "Agent-Based Network Management," Journal of Network and Computer Applications, Elsevier, 2010.

Guest Co-Editor, "Service Sciences," Journal of Universal Computer Science, Springer, August 2010.

Guest Editor, "Collective Intelligence for Multimedia Tools and Applications," Journal of Universal Computer Science, Springer, April 2010.

Guest Co-editor, "Virtual Agent and Organization Modeling: Theory and Applications," Information Sciences, Elsevier, 2009.

Guest Co-editor, "Information Retrieval Based on Multi-Agent Systems," New Generation Computing, Springer, 2008.

Guest Co-editor, "Collective Intelligence for Semantic and Knowledge Grid," Journal of Universal

Computer Science, Springer, 2008.

Guest Co-editor, "Knowledge Dynamics in Semantic Web and Social Network," International Journal of Intelligent Information and Database Systems, InderScience publisher, 2007.

Organizer

The Fourth International Workshop on Intelligent Management and e-Business (IMeB 2012) affiliated in ACIIDS 2012

International Conference on Terminology, Languages, and Content Resources (LaRC 2011)

The First Workshop on Green Enterprise and Commerce (GreEnCom 2011) affiliated in IEEE CEC 2011

Invited Session on Sustainable Information Systems (SIS 2011) affiliated in KES 2011

Special Session on Engineering Knowledge and Semantic Systems (IWEKSS 2011) affiliated in IEA/AIE 2011

The First Workshop on Social Network Analysis in Applications (SNAA 2011) affiliated in ASONAM 2011

The Third International Workshop on Intelligent Management and e-Business (IMeB 2011) affiliated in ACIIDS 2011

The 1st International Workshop on Intelligent Grid and Cloud Computing (IGCC 2010) affiliated in EUC 2010

The 1st International Workshop on Intelligent Management of Networked Environment (IMNE 2010) affiliated in GPC 2010

Invited Session on Engineering Knowledge and Semantic Systems (IWEKSS 2010) affiliated in IEA/AIE 2010

International Workshop on Intelligent Management and e-Business (IMeB 2010) affiliated in ACIIDS 2010

Invited Session on Engineering Knowledge and Semantic Systems (IWEKSS 2009) affiliated in IEA/AIE 2009

The Second International Workshop on Collective Intelligence on Semantic Web and Social Networks 2008 (CISWSN 2008) affiliated in WI/IAT 2008

International Workshop on Collective Intelligence on Semantic Web (CISW 2007) affiliated in WI/IAT 2007

Invited Session on Emerging Technologies on Knowledge Annotation and Sharing (ET-KAS 2007) affiliated in KES 2007

International Workshop on Collective Intelligence for Semantic and Knowledge Grid (CISKGrid 2007) affiliated in ICCS 2007

Scientific Committee

Program Committee Member, 3rd International Conference on Emerging Intelligent Data and Web

Technologies (EIDWT 2012)

Program Committee Member, The 2012 International Conference on Computational Collective Intelligence (ICCCI 2012)

Program Committee Member, The 2012 International Conference on Web Intelligence, Mining and Semantics (WIMS 2012)

Program Committee Member, The 9th Extending Semantic Web Conference (ESWC 2012)

Program Committee Member, The 2011 IEEE International Conference on Granular Computing (GrC 2011)

Program Committee Member, European Intelligence and Security Informatics Conference 2011 (EISIC 2011)

Program Committee Member, International Workshop on Semantic Analysis Methods in Software Engineering (SAMSE 2011)

Program Committee Member, 5th International KES Conference on Agents and Multi-agent Systems & Technologies and Applications (KES-AMSTA 2011)

Program Committee Member, The Seventh International Workshop on Agents and Data Mining Interaction (ADMI 2011)

Program Committee Member, The 1st International Workshop on Social Data Mining for Human Behaviour Analysis (SoDaMin 2011)

Program Committee Member, The 2011 International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2011)

Program Co-Chair, The 3rd International Conference on Computational Collective Intelligence (ICCCI 2011)

Program Committee Member, The 2010 International Congress on Computer Applications and Computational Science (CACCS 2010)

Program Committee Member, The 2010 IEEE/ACM International Conference on Green Computing and Communications (GreenCom 2010)

Program Committee Member, International Conference on Software, Services & Semantic Technologies (S3T 2010)

Program Committee Member, The 2010 International Conference on Machine Learning and Cybernetics (ICMLC 2010)

Program Committee Member, The 2010 International Conference on Intelligent Semantic Web - Services and Applications (ISWSA 2010)

Program Committee Member, 2010 AAMAS Workshop On Agents and Data Mining Interaction (ADMI-10)

Program Committee Member, The 2nd International Conference on Computational Collective Intelligence (ICCCI 2010)

Program Committee Member, The 14th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2010)

Program Committee Member, The 4th KES International Symposium on Agents and Multi-agent Systems - Technologies and Applications (KES-AMSTA 2010)

Program Co-Chair, The 2nd Asian Conference on Intelligent Information and Database Systems (ACIIDS 2010)

Program Committee Member, The 3rd International Workshop on Adaptive Systems in Heterogeneous Environments (ASHEs 2010)

Program Committee Member, The 4th Asian Semantic Web Conference (ASWC 2009)

Program Committee Chair, The 2009 International Conference on Machine Learning and Cybernetics (ICMLC 2009)

Publicity Chair, The 1st International Conference on Computational Collective Intelligence - Semantic Web, Social Networks, and Multiagent Systems (ICCCI 2009)

Program Committee Member, The 2nd KES International Symposium on Intelligent Interactive Multimedia Systems and Services 2009 (KES-IIMSS 2009)

Program Committee Member, The Third KES International Symposium on Agent and Multi-Agent Systems: Technologies and Applications 2009 (KES-AMSTA 2009)

Program Co-chair, The First Asian Conference on Intelligent Information and Database Systems 2009 (ACIIDS 2009)

Program Committee Member, The Second International Workshop on Collective Intelligence in Semantic Web and Social Networks (CISWSN 2008)

Program Committee Member, The Third Asian Semantic Web Conference (ASWC 2008)

Program Committee Member, The First IEEE International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2008)

Publication Chair, International Workshop on Semantic Computing and Applications 2008 (IWSCA 2008)

Program Committee Member, International Conference on Machine Learning and Cybernetics 2008 (ICMLC 2008)

Doctoral Track Chair, The Twenty First International Conference on Industrial Engineering & Other Applications of Applied Intelligent Systems (IEA/AIE 2008)

Program Committee Member, International Semantic Web Conference 2007 (ISWC 2007) + Asian Semantic Web Conference 2007 (ASWC 2007)

Program Committee Member, International Workshop on Collective Intelligence on Semantic Web 2007 (CISW 2007) affiliated in WI/IAT 2007

Program Committee Member, SABRE Conference on Social Semantic Web 2007 (CSSW 2007)

Program Committee Member, Invited Session on Recommender Agents and Adaptive Web-based Systems (RAAWS07) affiliated in KES 2007

Program Committee Member, Invited Session on Emerging Technologies on Knowledge Annotation and Sharing (ET-KAS 2007) affiliated in KES 2007

Program Committee Member, The 11th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2007)

Program Committee Member, Special Issue on Web-based Recommendation Systems Technologies and Applications, New Generation Computing (Vol. 26, No. 2)

Program Committee Member, The 1st KES International Symposium on Agent and Multi-Agent Systems - Technologies and Applications (KES-AMSTA 2007)

Program Committee Member, International Workshop on Collective Intelligence for Semantic and Knowledge Grid (CISKGrid 2007) affiliated in ICCS 2007

Program Committee Member, The 2007 International Conference on Information Resources Management Association (IRMA 2007)

Program Committee Member, International Conference on Enterprise Information Systems and Web Technologies 2007 (EISWT-07)

Program Committee Member, The 5th WSEAS International Conference on Artificial Intelligence, Knowledge Engineering and Databases (AIKED'07)

Program Committee Member, The 6th WSEAS International Conference on Applied Computer Science (ACS'06)

Program Committee Member, The 5th WSEAS International Conference on Computational Intelligence, Man-Machine Systems and Cybernetics (CIMMACS'06)

PUBLICATIONS

International Journal

Jason J. Jung, "Semantic Annotation of Cognitive Map for Knowledge Sharing between Heterogeneous Businesses," *Expert Systems with Applications*, Vol. 39, No. 5, pp. 1245-1248, 2012.

Jason J. Jung, "Attribute selection-based recommendation framework for short-head user group: An empirical study by MovieLens and IMDB," *Expert Systems with Applications*, Vol. 39, No. 4, pp. 4049-4054, 2012.

Jason J. Jung, "Constraint Graph-Based Frequent Pattern Updating from Temporal Databases," *Expert Systems with Applications*, Vol. 39, No. 3, pp. 3169-3173, 2012.

Jason J. Jung, "Evolutionary Approach for Semantic-based Query Sampling in Large-scale Information Sources," *Information Sciences*, Vol. 182, No. 1, pp. 30-39, 2012.

Chulmo Koo, Yulia Wati, Jason J. Jung, "Examination of how Social Aspects Moderate the Relationship between Task Characteristics and Usage of Social Communications Technologies (SCTs) in Organizations," *International Journal of Information Management*, Vol. 31, No. 5, pp. 445-459, 2011.

Jason J. Jung, "Ubiquitous Conference Management System for Mobile Recommendation Services Based on Mobilizing Social Networks: a Case Study of u-Conference," *Expert Systems with Appli-*

cations, Vol. 38, No. 10, pp. 12786-12790, 2011.

Abolghasem Sadeghi-Niaraki, Masood Varshosaz, Kye Hyun Kim, Jason J. Jung, "Real World Representation of a Road Network for Route Planning in GIS," *Expert Systems with Applications*, Vol. 38, No. 10, pp. 11999-12008, 2011.

Jason J. Jung, "Ontology-Based Decision Support System for Semiconductors EDS Testing by Wafer Defect Classification," *Expert Systems with Applications*, Vol. 38, No. 6, pp. 7425-7429, 2011.

Jason J. Jung, "Semantic Preprocessing for Mining Sensor Streams from Heterogeneous Environments," *Expert Systems with Applications*, Vol. 38, No. 5, pp. 6107-6111, 2011.

Jason J. Jung, "Exploiting Multi-Agent Platform for Indirect Alignment between Multilingual Ontologies: a Case Study on Tourism Business," *Expert Systems with Applications*, Vol. 38, No. 5, pp. 5774-5780, 2011.

Jason J. Jung, "Boosting Social Collaborations Based on Contextual Synchronization: An Empirical Study," *Expert Systems with Applications*, Vol. 38, No. 5, pp. 4809-4815, 2011.

Jason J. Jung, "Service Chain-based Business Alliance Formation in Service-oriented Architecture," *Expert Systems with Applications*, Vol. 38, No. 3, pp. 2206-2211, 2011.

Jason J. Jung, "Evolutionary Approach for Semantic-based Query Sampling in Large-scale Information Sources," *Information Sciences*, Vol. 181, No. xx, pp. xxx-xxx, 2011.

Jason J. Jung, "Ontology Mapping Composition for Query Transformation on Distributed Environments," *Expert Systems with Applications*, Vol. 37, No. 12, pp. 8401-8405, 2010.

Jason J. Jung, "Integrating Social Networks for Context Fusion in Mobile Service Platforms," *Journal of Universal Computer Science*, Vol. 16, No. 15, pp. 2099-2110, 2010.

Jason J. Jung, "On Sustainability of Context-Aware Services Among Heterogeneous Smart Spaces," *Journal of Universal Computer Science*, Vol. 16, No. 13, pp. 1745-1760, 2010.

Jason J. Jung, "Reusing Ontology Mappings for Query Segmentation and Routing in Semantic Peer-to-Peer Environment," *Information Sciences*, Vol. 180, No. 17, pp. 3248-3257, 2010.

Xuan Hau Pham and Jason J. Jung, "Exploiting Semantic Template for Message Summarization for Mobile Devices," *Information - An International Interdisciplinary Journal*, Vol. 13, No. 4, pp. 1467-1474, 2010.

Young-Shin Han, So-Young Kim, TaeKyu Kim, Jason J. Jung, "Automatic Defect Classification System in Semiconductors EDS Test Based on System Entity Structure Methodology," *IEICE Transactions on Information and Systems*, Vol. E93-D, No. 7, pp. 2001-2004, 2010.

Dosam Hwang, Ngoc Thanh Nguyen, Jason J. Jung, Abolghasem Sadeghi-Niaraki, Kwang-Hyun Baik, Young-Shin Han, "A Semantic Wiki Framework for Reconciling Conflict Collaborations Based on Selecting Consensus Choices," *Journal of Universal Computer Science*, Vol. 16, No. 7, pp. 1024-1035, 2010.

Jason J. Jung, "An Empirical Study on Optimizing Query Transformation on Semantic Peer-to-Peer Networks," *Journal of Intelligent and Fuzzy Systems*, Vol. 21, No. 3, pp. 187-195, 2010.

Jason J. Jung, "An Evolutionary Approach to Query Sampling for Heterogeneous Systems," *Expert*

Systems with Applications, Vol. 37, No. 1, pp. 226-232, 2010.

Jason J. Jung, "Contextualized mobile recommendation service based on interactive social network discovered from mobile users," *Expert Systems with Applications*, Vol. 36, No. 9, pp. 11950-11956, 2009.

Jason J. Jung, "Semantic Business Process Integration Based on Ontology Alignment," *Expert Systems with Applications*, Vol. 36, No. 8, pp. 11013-11020, 2009.

Jason J. Jung, "Knowledge Distribution via Shared Context between Blog-based Knowledge Management Systems: a Case Study of Collaborative Tagging," *Expert Systems with Applications*, Vol. 36, No. 7, pp. 10627-10633, 2009.

Do-Sam Hwang, In-Keun Lee, Jason J. Jung, "OntoCS: a Web-Based System for Collaborative Ontology Construction," *Computing and Informatics*, Vol. 28, No. 6, pp. 781-794, 2009.

Shohel Ahmed, Sungjoon Park, Jason J. Jung, Sanggil Kang, "A Personalized URL Re-ranking Method using Psychological User Browsing Characteristics," *Journal of Universal Computer Science*, Vol. 15, No. 4, pp. 926-940, 2009.

Trong Hai Duong, Geun Sik Jo, Jason J. Jung, Ngoc Thanh Nguyen, "Complexity Analysis of Ontology Integration Methodologies: a Comparative Study," *Journal of Universal Computer Science*, Vol. 15, No. 4, pp. 877-897, 2009.

Jason J. Jung, "Using evolution strategy for cooperative focused crawling on semantic web," *Neural Computing and Applications*, Vol. 18, No. 3, pp. 213-221, 2009.

Jason J. Jung, "Consensus-based evaluation framework for cooperative information retrieval systems," *Knowledge and Information Systems*, Vol. 18, No. 2, pp. 199-211, 2009.

Jason J. Jung, "Contextualized Query Sampling to Discover Semantic Resource Descriptions on the Web," *Information Processing & Management*, Vol. 45, No. 2, pp. 283-290, 2009.

Jason J. Jung, "Trustworthy knowledge diffusion model based on risk discovery on peer-to-peer networks," *Expert Systems with Applications*, Vol. 36, No. 3, pp. 7123-7128, 2009.

Jason J. Jung, Hojin Lee, Kwang Sun Choi, "Contextualized Recommendation Based on Reality Mining from Mobile Subscribers," *Cybernetics and Systems*, Vol. 40, No. 2, pp. 160-175, 2009.

Jason J. Jung, "Towards open decision support systems based on semantic focused crawling," *Expert Systems with Applications*, Vol. 36, No. 2, pp. 3914-3922, 2009.

Jason J. Jung, "Social grid platform for collaborative online learning on blogosphere: a case study of eLearning@BlogGrid," *Expert Systems with Applications*, Vol. 36, No. 2, pp. 2177-2186, 2009.

Chonggun Kim, Jae-Youn Jung, Hyeon-Cheol Zin, Jason J. Jung, "An application of meta search agent system based on semantized tags for enhanced web searching," *Journal of Universal Computer Science*, Vol. 14, No. 14, pp. 2400-2415, 2008.

Jason J. Jung, "Ontology-based Context Synchronization for Ad-Hoc Social Collaborations," *Knowledge-Based Systems*, Vol. 21, No. 7, pp. 573-580, 2008.

Jason J. Jung, "Query Transformation Based on Semantic Centrality in Semantic Social Network," *Journal of Universal Computer Science*, Vol. 14, No. 7, pp. 1031-1047, June 2008.

Jason J. Jung, "Taxonomy Alignment for Interoperability between Heterogeneous Virtual Organizations," *Expert Systems with Applications*, Vol. 36, No. 4, pp. 2721-2731, 2008.

Jason J. Jung, "Semantic Co-Browsing System Based on Contextual Synchronization on Peer-to-Peer Environment," *Computing and Informatics*, Vol. 26, No. 4, pp. 469-488, 2007. (Special Issue: Knowledge and Information Management in Computer Communication Systems)

Jason J. Jung, Krzysztof Juszczyszyn, Ngoc Thanh Nguyen, "Centrality Measurement on Semantically Multiplex Social Networks: Divide-and-Conquer Approach," *International Journal of Intelligent Information and Database Systems*, Vol. 1, No. 3/4, pp. 277-292, 2007. (Special Issue: Knowledge Dynamics in Semantic Web and Social Network)

Jason J. Jung, "Exploiting semantic annotation to supporting user browsing on the web," *Knowledge-Based Systems*, Vol. 20, No. 4, pp. 373-381, 2007.

Jason J. Jung, "Ontological Framework Based on Contextual Mediation for Collaborative Information Retrieval," *Information Retrieval*, Vol. 10, No. 1, pp. 85-109, 2007. (Special Issue: Contextual Information Retrieval)

Jason J. Jung, "Visualizing recommendation flow on social networks," *Journal of Universal Computer Science*, Vol. 11, No. 11, pp. 1780-1791, 2005. (Special Issue: Visual Data Mining)

Jason J. Jung, "Semantic preprocessing of web request streams for web usage mining," *Journal of Universal Computer Science*, Vol. 11, No. 8, pp. 1383-1396, 2005. (Special Issue: Data Stream)

Jason J. Jung, Kee-Sung Lee, Seung-Bo Park, Geun-Sik Jo, "Efficient web browsing with semantic annotation: a case study of product images in e-commerce sites," *IEICE Transactions on Information and Systems*, Vol. E88-D, No. 5, pp.843-850, 2005. (Special Issue: Cyberworld)

Jason J. Jung, "Collaborative web browsing based on semantic extraction of user interests with bookmarks," *Journal of Universal Computer Science*, Vol. 11, No. 2, pp. 213-228, 2005. (Special Issue: Modern Technologies for Web-based Adaptive Systems)

Jason J. Jung, "An application of collaborative web browsing based on ontology learning from user activities on the web," *Computing and Informatics*, Vol. 23, No. 4, pp. 337-353, 2004. (Printed on March 2005) (Invited paper)

Book Chapters and Editorials

Jason J. Jung, Yue-Shan Chang, Zhiwen Yu, "Advances in Intelligent Network Management," to appear in *Telecommunication Systems*, Vol. 55, No. 2, 2014.

Jason J. Jung, "Recent Trends on Engineering Knowledge and Semantic Systems in South Korea," *Information - An International Interdisciplinary Journal*, Vol. 13, No. 5, pp. 1543-1544, 2010.

Jason J. Jung, Chulmo Koo, "Recent Trends in Service Science," *Journal of Universal Computer Science*, Vol. 16, No. 13, pp. 1666-1667, 2010.

Jason J. Jung, Chung-Ming Ou, Ngoc Thanh Nguyen, Chong-Gun Kim, "Advances on Agent-based Network Management," *Journal of Network and Computer Applications*, Vol. 33, No. 6, pp. 631-632, 2010.

Jason J. Jung, Ngoc Thanh Nguyen, "Virtual Agent and Organization Modeling: Theory and Applications," *Information Sciences*, Vol. 180, No. 17, pp. 3065-3066, 2010.

Jason J. Jung, "Collective Intelligence for Multimedia Tools and Applications," *Journal of Universal Computer Science*, Vol. 16, No. 7, pp. 1004-1005, 2010.

Jason J. Jung, Ngoc Thanh Nguyen, "Virtual Agent and Organization Modeling: Theory and Applications," to appear in *Information Sciences*, Vol. x, No. xx, pp. xxx-xxx, 2009.

Jason J. Jung, "Collective Intelligence on Semantic Web," *Computing and Informatics*, Vol. 28, No. 6, pp. 745-746, 2009.

Jason J. Jung, "Knowledge Distribution Based on Community of Practice Identification from Blogosphere," In N.T. Nguyen, G. Kolaczek, B. Gabrys (Eds.) *Polish-British Workshop on Knowledge Processing and Reasoning for Information Society*, pp. 265-274, 2008. (Invited paper)

Jason J. Jung, Ngoc Thanh Nguyen, "Collective Intelligence on Semantic Knowledge Grid," *Journal of Universal Computer Science*, Vol. 14, No. 7, pp. 1016-1019, 2008.

Jason J. Jung, Krzysztof Juszczyszyn, "Editorial: Knowledge Dynamics in Semantic Web and Social Network," *International Journal of Intelligent Information and Database Systems*, Vol. 1, No. 3, pp. 245-246, 2007.

Geun-Sik Jo, Jason J. Jung, "Ontology-supported Web contents management," In W. Suh (Ed.) *Web Engineering: Principles and Techniques*, Chapter 9, pp. 203-223, IDEA Publishing Inc., 2005.

Jason J. Jung, Jeong-Seob Yoon, Geun-Sik Jo, "Collaborative information filtering by using categorized bookmarks on the web," *Lecture Notes in Artificial Intelligence (Oskar Bartenstein, Ulrich Geske, Markus Hannebauer, Osama Yoshie (Eds.): Web-knowledge Management and Decision Support)*, Vol. 2543, pp.237-250, Springer, 2003.

International Conference

Meinu Quan, Xuan Hau Pham, Jason J. Jung, Dosam Hwang "Understanding Information Propagation on Online Social Tagging Systems: A Case Study on Flickr," *Proceedings of The 4th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2012)*, *Lecture Notes in Computer Science*, Vol. 7197, pp. 166-174, Springer, Kaohsiung, Taiwan, March 19-21, 2012.

Seung-Bo Park, Eunsoon You, Jason J. Jung, "Potential Emotion Word in Movie Dialog," *Proceedings of the International Conference IT Convergence and Security 2011 (ICITCS 2011)*, *Lecture Notes in Electrical Engineering*, Vol. 120, pp. 507-516, Springer, Suwon, Korea, December 14-16, 2011.

Dosam Hwang, Xuan Hau Pham, Jason J. Jung, "Preference-based User Rate Correction Process for Interactive Recommendation Systems," *Proceedings of the 13th International Conference on Information Integration and Web-based Applications & Services (iiWAS 2011)*, pp. 412-415, ACM, Ho Chi Minh, Vietnam, December 5-7, 2011.

Jason J. Jung, Xuan Hau Pham, "Attribute Selection-Based Recommendation Framework for Long-tail User Group: An Empirical Study on MovieLens Dataset," *Proceedings of the Third International Conference on Computational Collective Intelligence (ICCCI 2011)*, *Lecture Notes in Computer Science*, Vol. 6922, pp. 592-601, Springer, Gdynia, Poland, September 21-23, 2011.

Jason J. Jung, "A Bibliometric Analysis on Green Supply Chain Management: A Preliminary Result," *Proceedings of the 13th IEEE Conference on Commerce and Enterprise Computing (CEC 2011)*, pp. 418-420, Luxemburg, September 5-7, 2011.

Jason J. Jung, "Towards Named Entity Recognition Method for Microtexts in Online Social Net-

works: a Case Study of Twitter,” Proceedings of the 2011 International Conference on Advances in Social Networks and Mining (ASONAM 2011), pp. 563-564, Kaohsiung, Taiwan, July 25-27, 2011.

Chang-Woo Song, Kyung-Yong Chung, Jason J. Jung, Kee-Wook Rim, Jung-Hyun Lee, “Localized Approximation Method Using Inertial Compensation in WSNs,” Proceedings of The 3rd Asian Conference on Intelligent Information and Database Systems (ACIIDS 2011), Studies in Computational Intelligence, Vol. 351, pp. 247-255, Springer, April 20-22, 2011.

Xuan Hau Pham, Jason J. Jung, Ngoc Thanh Nguyen, “Towards Rough Set-based User Modeling for Recommendation Systems,” Proceedings of the 11st International Conference on Intelligent Technologies (InTech 2010), pp. 75-80, Bangkok, Thailand, December 14-16, 2010.

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