

Jason J. Jung, Ph.D

CONTACT INFORMATION

Department of Computer Engineering
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RESEARCH INTERESTS

Artificial intelligence, Knowledge engineering,
Big data analytics, Recommendation systems
Social network mining,
Story understanding and analytics
Computational negotiation for edge computing
Ambient Intelligence, Green Computing

ACADEMIC EXPERIENCE

Chung-Ang University, Korea
Professor

Sept. 2018 - Now

Chung-Ang University, Korea
Associate Professor

Sept. 2014 - Now

Yeungnam University, Korea
Assistant/Associate Professor

Sept. 2007 - Aug. 2014

University of Stuttgart, Germany
DAAD Visiting Fellow

Jan. 2014 - Feb. 2014

Universiti Malaya, Malaysia
Visiting Professor

Sept. 2013 - Feb. 2014

Nguyen Tat Thanh University, Vietnam
Visiting Professor

Apr. 2013 - Aug. 2013

National Institute of Informatics, Japan
Visiting researcher (JSPS Fellowship)

Sept. 2012 - Apr. 2013

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)

RESEARCH PROJECTS

On-going

- Intelligent Mobility Framework based on Edge Intelligence (2019/12/01 - 2021/11/30) supported by the National Research Foundation of Korea (NRF) grant funded by the Korea government.
- Advanced IoT Analytics at the Edge for Intelligent Renewable Energy Management (2018/12/01 - 2020/11/30)
- Intelligent Affective Lifelogging Service Framework Based on Multi-source Event Detection (2017/05/01 - 2020/04/30) supported by the National Research Foundation of Korea (NRF) grant funded by the Korea government (MSIP) (NRF-2017R1A2B4010774).
- Network Engineering: Development and Application of Novel Data Science Driven Framework for Efficient Network Design (2017/06/01 - 2020/02/28) supported by the National Research Foundation of Korea (NRF) grant funded by the Korea government (MSIP) (NRF-).

Finished

- Intelligent Service Framework Based on Pervasive Privacy by Processing Big Data (2014/05/01 - 2017/04/30), Supported by the National Research Foundation of Korea (NRF) grant funded by the Korea government(MEST) (NRF-2014R1A2A2A05007154).
- Thematic Transformation of Social Media Signals (2013/09/01 - 2015/08/31), Supported by the National Research Foundation of Korea (NRF) grant funded by the Korea government(MEST) (No. 2013K2A1A2055213).
- Privacy-aware recommendation system by using semantic technologies (2011/05/01 - 2014/04/30), Supported by the National Research Foundation of Korea (NRF) grant funded by the Korea government(MEST) (No. 2011-0017156).
- Leveraging Social Big Data Analytic for Boosting Business Intelligence, Visiting Fellowship Program, NRF and DAAD, 2014/01/07 - 2014/02/06 (1 months)
- Multilingual Instance Matching on Linked Open Data, JSPS Fellowship Program, JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE, 2012/09/03 - 2013/04/02 (7 months)
- Semantic Social Media Analytics for Large-scale Data Streams, Korean National Research Foundation, 2012/08/10 - 2013/08/10
- Efficient Information Retrieval System by Ontology Mapping Composition in a Large scale distributed environment, NRF, 2009/05/01 - 2012/04/30
- 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

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

Best Paper Award, DaMIS, Lund, Sweden, Sept 2017.

Best Poster Award, IntEnv, Seoul, Korea, Aug 2017.

Best Paper Award, Myeong-Yeon Yi, O-Joun Lee, Jason J. Jung, “MBTI-based Collaborative Recommendation System: A Case Study of Webtoon Contents,” Proceedings of the 4th EAI International Conference on Context-Aware Systems and Applications (ICCASA 2015), Vung Tau, Vietnam, November 26-27.

DAAD Fellowship Award (2014), Visiting researcher in University of Stuttgart, Germany

Ji-Sik-Chang-Jo-Dae-Sang, MSIP, Korea, 2013

Best Paper Award, Duc Nguyen Trung, Jason J. Jung, Namhee Lee, Jinhwa Kim, “Thematic Analysis by Discovering Diffusion Patterns in Social Media: an Exploratory Study with TweetScope,” Proceedings of the 5th Asian Conference on Intelligent Information and Database Systems, Kuala Lumpur, Malaysia, March 18-20, 2013.

JSPS Fellowship 2012.

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

PROFESSIONAL EXPERIENCE

Invited Talks

Social big data analytics with various services and applications, Durban University of Technology, Durban, Republic of South Africa, Feb 15, 2019.

Big Data Analytics for Appropriate Technology, The 2016 Conference on Fundamental and Applied Science for Advanced Technology (ConFAST 2016), Yogyakarta, Indonesia, January 25-26, 2016.

Social Data Analytics and Knowledge Management, The 7th International Conference on Knowledge and Systems Engineering (KSE 2015), Ho Chi Minh city, Vietnam, October 8-10, 2015.

Big Data Analytics for Appropriate Technology, The 2nd NAFOSTED Conference on Information and Computer Science (NICS 2015), Ho Chi Minh city, Vietnam, September 16-18, 2015.

Contextual Synchronization on Social Collaboration, University of Minho, Guimaraes, Portugal, 30 June, 2015.

Contextual Synchronization on Social Collaboration, Second International Conference on Context-Aware Systems and Applications (ICCASA 2013), Phu Quoc, November 25-26, 2013.

Contextual Synchronization on Social Collaboration, International Conference on Web Intelligence, Mining and Semantics 2013, Madrid, Spain, 12 June, 2013.

Contextual Synchronization on Social Collaboration, University of Malaya, Kuala Lumpur, Malaysia, 19 March, 2013.

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, Université du Québec 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 Journal of Web Semantics (JWS) Elsevier (2017 - Present)

Editorial Board Member of Information Fusion (INFFUS) Elsevier (2016 - Present)

Editorial Board Member of Information Processing & Management (IPM) Elsevier (2015 - Present)

Editorial Board Member of International Journal of Computer Science and Applications (IJCSA) TMRF (2014 - Present)

Editorial Board Member of Vietnamese Journal of Computer Science (VJCS) Springer-Verlag (2014 - 2016)

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 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 Pub-

lishers (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 Co-Editor, "Semantic Methods for Knowledge Management," International Journal of Software Engineering and Knowledge Engineering, 2013.

Guest Editor, "Intelligent Interactions for Multimedia Processing," Multimedia Tools and Applications, 2012.

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

Minsung Hong, Rajendra Akerkar, Jason J. Jung, "Improving Explainability of Recommendation System by Multi-sided Tensor Factorization," *Cybernetics and Systems*, Vol. 50, No. 2, pp. 97-117, 2019.

Khac-Hoai Nam Bui, Jason J. Jung, "Computational Negotiation-based Edge Analytics for Smart Objects," *Information Sciences*, Vol. 480, pp. 222-236, 2019.

O-Joun Lee, Jason J. Jung, "Modeling Affective Character Network for Story Analytics," *Future Generation Computer Systems*, Vol. 92, pp. 458-478, 2019.

Minsung Hong, Jason J. Jung, "Towards Social Big Data-based Affective Group Recommendation," *Mobile Networks and Applications*, Vol. 23, No. 4, pp. 1111-1122, 2018.

O-Joun Lee, Jai E. Jung, "Owner-Borrower Model for Recommenders in O2O Services," *Mobile Networks and Applications*, Vol. 23, No. 4, pp. 1089-1096, 2018.

Houman Zarrabi, Mohammad Emami, Mohammad Reza Jabbarpour, Masumeh Sadat Taheri, Jason J. Jung, "A soft cooperative spectrum sensing in the presence of most destructive smart PUEA using energy detector," *Concurrency and Computation: Practice and Experience*, Vol. 30, No. 15, e4524, 2018.

Jaehong Park, O-Joun Lee, Jai E. Jung, "Spatio-Temporal Query Contextualization on Searching for Microtexts in Social Media," *Concurrency and Computation: Practice and Experience*, Vol. 30, No. 15, e4458, 2018.

Khac-Hoai Nam Bui, Jason J. Jung, David Camacho, "Consensual Negotiation-based Decision Making for Connected Appliances in Smart Home Management System," *Sensors*, Vol. 18, No. 7, 2206, 2018.

O-Joun Lee, Yunhu Kim, Hoang Long Nguyen, Jason J. Jung, "Multi-scaled Spatial Analytics on Discovering Latent Social Events for Smart Urban Services," *Journal of Universal Computer Science*, Vol. 24, No. 3, pp. 322-337, 2018.

Zois Koukopoulos, Dimitrios Koukopoulos, Jason J. Jung, "Real-time crowd management for cultural heritage events: a case study on carnival parades," *Journal of Ambient Intelligent and Smart Environments*, Vol. 10, No. 3, pp. 275-287, 2018.

Khac-Hoai Nam Bui, Jason J. Jung, "Internet of Agents Framework for Connected Vehicles: a Case Study on Distributed Traffic Control System," *JOURNAL OF PARALLEL AND DISTRIBUTED COMPUTING*, Vol. 116, pp. 89-95, 2018.

Minsung Hong, Jason J. Jung, "Multi-sided Recommendation by Social Tensor Factorization," *Information Sciences*, Vol. 447, pp. 140-156, 2018.

Hoang Long Nguyen, Jai E. Jung, "SocioScope: A Framework for Understanding Internet of Social Knowledge," *Future Generation Computer Systems*, Vol. 83, pp. 358-365, 2018.

Mohammad Amin Hatf, Vahid Shaker, Mohammad Reza Jabbarpour, Jason J. Jung, Houman Zarrabi, "HIDCC: A Hybrid Intrusion Detection Approach in Cloud Computing," *Concurrency and Computation: Practice and Experience*, Vol. 30, No. 3, e4171, 2018.

YuPeng Wang, Xin Dai, Jason J. Jung, Chang Choi, "Performance Analysis of Smart Cultural Heritage Protection Oriented Wireless Networks," *Future Generation Computer Systems*, Vol. 81, pp. 593-600, 2018.

Zois Koukopoulos, Dimitrios Koukopoulos, Jason J. Jung, "A trustworthy multimedia participatory platform for cultural heritage management in smart city environments," *Multimedia Tools and Applications*, Vol. 76, No. 24, pp. 25943-25981, 2017.

Alba Amato, Jason J. Jung, Salvatore Venticinquè, "Extending the Internet of Energy by a Social Networking of Human Users and Autonomous Agents," *Multimedia Tools and Applications*, Vol. 76, No. 24, pp. 26057-26076, 2017.

Mohammad Emami, Mohammad Reza Jabbarpour, Bahman Abolhassani, Jason J. Jung, Houman Zarrabi, "Soft cooperative spectrum sensing using quantization method in the presence of smart PUE attack," *Mobile Networks and Applications*, Vol. 22, No. 4, pp. 650-659, 2017.

Sathit Prasomphan, Jai E. Jung, "Mobile Application for Archaeological Site Image Content Retrieval and Automated Generating Image Descriptions with Neural Network," *Mobile Networks and Applications*, Vol. 22, No. 4, pp. 642-649, 2017.

Jin Kim, Gyun Hyuk Lee, Jason J. Jung, Kwang Nam Choi, "Real-Time Head Pose Estimation Framework for Mobile Devices," *Mobile Networks and Applications*, Vol. 22, No. 4, pp. 634-641, 2017.

Jai E. Jung, "Discovering Social Bursts by Using Link Analytics on Large-scale Social Networks," *Mobile Networks and Applications*, Vol. 22, No. 4, pp. 625-633, 2017.

Khac-Hoai Nam Bui, David Camacho, Jai E. Jung, "Real-Time Traffic Flow Management Based on Inter-Object Communication: a Case Study at Interaction," *Mobile Networks and Applications*, Vol. 22, No. 4, pp. 613-624, 2017.

Francesco Piccialli, Jai E. Jung, "Understanding Customer Experience Diffusion on Social Networking Services by Big Data Analytics," *Mobile Networks and Applications*, Vol. 22, No. 4, pp. 605-612, 2017.

Varun Ramash, Shivaneer Nagarajan, Jason J. Jung, Saswati Mukherjee, "Max-flow Min-cut Algorithm with Application to Road Networks," *Concurrency and Computation: Practice and Experience*, Vol. 29, No. 11, e4099, 2017.

Khac-Hoai Nam Bui, Jai E. Jung, David Camacho, "Game Theoretic Approach on Real-time Decision Making for IoT-based Traffic Light Control," *Concurrency and Computation: Practice and Experience*, Vol. 29, No. 11, e4077, 2017.

Jai E. Jung, O-Joun Lee, Eun-Soon You, Myoung-Hee Nam, "A Computational Model of Transmedia Ecosystem for Story-based Contents," *Multimedia Tools and Applications*, Vol. 76, No. 8, pp. 10371-10388, 2017.

Quang Dieu Tran, Dosam Hwang, O-Joun Lee, Jai E. Jung, "Exploiting Character Networks for Movie Summarization," *Multimedia Tools and Applications*, Vol. 76, No. 8, pp. 10357-10369, 2017.

Jai E. Jung, Minsung Hong, Hoang Long Nguyen, "Serendipity-based Storification: From Lifelogging to Storytelling," *Multimedia Tools and Applications*, Vol. 76, No. 8, pp. 10345-10356, 2017.

Hoang Long Nguyen, Jai E. Jung, "Statistical Approach for Figurative Sentiment Analysis on Social

- Networking Services: a Case Study on Twitter,” *Multimedia Tools and Applications*, Vol. 76, No. 6, pp. 8901-8914, 2017.
- Erfan Shaghghi, Mohammad Reza Jabbarpour, Rafidah Md Noor, Hwasoo Yeo, Jason J. Jung, “Adaptive Green Traffic Signal Controlling using Vehicular Communication,” *Frontiers of Information Technology & Electronic Engineering*, Vol. 18, No. 3, pp. 373-393, 2017.
- Minsung Hong, Jason J. Jung, Francesco Piccialli, Angelo Chianese, “Social Recommendation Service for Cultural Heritage,” *Personal and Ubiquitous Computing*, Vol. 21, No. 2, pp. 191-201, 2017.
- Tuong Tri Nguyen, David Camacho, Jason J. Jung, “Identifying and Ranking Cultural Heritage Resources on Geotagged Social Media for Smart Cultural Tourism Services,” *Personal and Ubiquitous Computing*, Vol. 21, No. 2, pp. 267-279, 2017.
- Hoang Long Nguyen, O-Joun Lee, Jason J. Jung, Jaehwa Park, Tai-Won Um, Hyun-Woo Lee, “Event-driven Trust Refreshment on Ambient Services,” *IEEE Access*, Vol. 5, pp. 4664-4670, 2017.
- Mohammad Reza Jabbarpour, Houman Zarrabi, Jason J. Jung, Pankoo Kim, “A Green Ant-based method for Path Planning of Unmanned Ground Vehicles,” *IEEE Access*, Vol. 5, pp. 1820-1832, 2017.
- O-Joun Lee, Hoang Long Nguyen, Jason J. Jung, Tai-Won Um, Hyun-Woo Lee, “Towards Ontological Approach on Trust-aware Ambient Services,” *IEEE Access*, Vol. 5, pp. 1589-1599, 2017.
- Salvatore Cuomo, Pasquale De Michele, Francesco Piccialli, Ardelio Galletti, Jai E. Jung, “IoT-based Collaborative Reputation System for Associating Visitors and Artworks in a Cultural scenario,” *Expert Systems with Applications*, Vol. 79, pp. 101-111, 2017.
- Minsung Hong, Jason J. Jung, David Camacho, “GRSAT: a Novel Method on Group Recommendation by Social Affinity and Trustworthiness,” *Cybernetics and Systems*, Vol. 48, No. 3, pp. 140-161, 2017.
- Tuong Tri Nguyen, Dosam Hwang, Jason J. Jung, “Handling the imbalanced classification problem: A case study on social media dataset,” *Journal of Intelligent & Fuzzy System*, Vol. 32, No. 2, pp. 1437-1448, 2017.
- Quang Dieu Tran, Dosam Hwang, Jason J. Jung, “Character-based Indexing and Browsing with Movie Ontology,” *Journal of Intelligent & Fuzzy System*, Vol. 32, No. 2, pp. 1229-1240, 2017.
- Antonio Gonzalez-Pardo, Jason J. Jung, David Camacho, “ACO-based clustering for Ego Network analysis,” *Future Generation Computer Systems*, Vol. 66, pp. 160-170, 2016.
- Angelo Chianese, Fiammetta Marulli, Francesco Piccialli, Paolo Benedusi, Jai E. Jung, “An Associative Engines Based Approach supporting Collaborative Analytics in the Internet of Cultural Things,” *Future Generation Computer Systems*, Vol. 66, pp. 187-198, 2016.
- Duc T. Nguyen, Jai E. Jung, “Real-time Event Detection for Online Behavioral Analysis of Big Social Data,” *Future Generation Computer Systems*, Vol. 66, pp. 137-145, 2017.
- O-Joun Lee, Jai E. Jung, “Sequence Clustering-based Automated Rule Generation for Adaptive Complex Event Processing,” *Future Generation Computer Systems*, Vol. 66, pp. 100-109, 2017.
- Thien Phuong, Bay Vo, Bac Le, Tzung-Pei Hong, Jason J. Jung, “An Efficient Approach for Mining

- Frequent Item sets with Transaction Deletion Operation,” *International Arab Journal of Information Technology*, Vol. 13, No. 5, pp. 595-602, 2016.
- Van Cuong Tran, Dosam Hwang, Jason J. Jung, “TwiSNER: Semi-supervised Method for Named Entity Recognition from Text Streams on Twitter,” *Journal of Universal Computer Science*, Vol. 22, No. 6, pp. 782-801, 2016.
- Xuan Hau Pham, Jason J. Jung, Ngoc Thanh Nguyen, Pankoo Kim, “Ontology-based multilingual search in recommendation systems,” *ACTA Polytechnica Hungarica*, Vol. 13, No. 2, pp. 195-207, 2016.
- O-Joun Lee, Minsung Hong, Jason J. Jung, Juhyun Shin, Pankoo Kim, “Adaptive collaborative filtering based on scalable clustering for big recommender systems,” *ACTA Polytechnica Hungarica*, Vol. 13, No. 2, pp. 179-194, 2016.
- Jason J. Jung, “Exploiting Geotagged Resources for Spatial Clustering on Social Network Services,” *Concurrency and Computation: Practice and Experience*, Vol. 28, No. 4, pp. 1356-1367, 2016.
- Minsung Hong, Jason J. Jung, “MyMovieHistory: Social Recommender System by Discovering Social Affinities among Users,” *Cybernetics and Systems*, Vol. 47, No. 1-2, pp. 88-110, 2016.
- Gema Bello-Orgaz, Jason J. Jung, David Camacho, “Social Big Data: Recent achievements and new challenges,” *Information Fusion*, Vol. 28, pp. 45-59, 2016.
- Mohammad Reza Jabbarpour, Ali Jalooli, Erfan Shaghghi, Alireza Marefat, Rafidah Md Noor, Jason J. Jung, “Analyzing the Impacts of Velocity and Density on Intelligent Position-based Routing Protocols,” *Journal of Computational Science*, Vol. 11, pp. 177-184, 2015.
- Duc T. Nguyen, Jai E. Jung, “Real-time Event Detection on Social Data Stream,” *Mobile Networks and Applications*, Vol. 20, No. 4, pp. 475-486, 2015.
- Jason J. Jung, “Big Bibliographic Data Analytics by Random Walk Model,” *Mobile Networks and Applications*, Vol. 20, No. 4, pp. 533-537, 2015.
- Bong-Soo Sohn, Jai E. Jung, “A Novel Ranking Model for a Large-Scale Scientific Publication,” *Mobile Networks and Applications*, Vol. 20, No. 4, pp. 508-520, 2015.
- Parivash Pirasteh, Dosam Hwang, Jai E. Jung, “Weighted Similarity Schemes for High Scalability in User-based Collaborative Filtering,” *Mobile Networks and Applications*, Vol. 20, No. 4, pp. 497-507, 2015.
- Lgoc Tu Luong, Tuong Tri Nguyen, Dosam Hwang, Chang Ha Lee, Jason J. Jung, “Similarity-based Complex Publication Network Analytics for Recommending Potential Collaborations,” *Journal of Universal Computer Science*, Vol. 21, No. 6, pp. 871-889, 2015.
- Quang Dieu Tran, Jason J. Jung, “CoCharNet: Extracting Social Networks using Character Co-occurrence in Movies,” *Journal of Universal Computer Science*, Vol. 21, No. 6, pp. 796-815, 2015.
- Parivash Pirasteh, Dosam Hwang, Jason J. Jung, “Exploiting Matrix Factorization to Asymmetric User Similarities in Recommendation Systems,” *Knowledge-Based Systems*, Vol. 83, pp. 51-57, 2015.
- Nguyen Hoang Long, Jason J. Jung, “Privacy-Aware Framework for Matching Online Social Identities in Multiple Social Networking Services,” *Cybernetics and Systems*, Vol. 46, No. 1-2, pp. 69-83,

2015.

Tuong Tri Nguyen, Jason J. Jung, "Exploiting Geotagged Resources to Spatial Ranking by Extending HITS Algorithm," *Computer Science and Information Systems*, Vol. 12, No. 1, pp. 185-201, 2015.

Dosam Hwang, Jai E. Jung, Seungbo Park, Hien T. Nguyen, "Social Data Visualization System for Understanding Diffusion Patterns on Twitter: a Case Study on Korean Enterprises," *Computing and Informatics*, Vol. 33, No. 3, pp. 591-608, 2014.

Hanh H. Hoang, Jason J. Jung, "An Ontological Framework for Context-aware Collaborative Business Process Formulation," *Computing and Informatics*, Vol. 33, No. 3, pp. 553-569, 2014.

Xuan Hau Pham, Jason J. Jung, "Recommendation System Based on Multilingual Entity Matching on Linked Open Data," *Journal of Intelligent & Fuzzy Systems*, Vol. 27, No. 2, pp. 589-599, 2014.

Vu Le Anh, Hai Vo Hoang, Hieu Le Trung, Kien Le Trung, Jason J. Jung, "Evaluating Scientific Publications by N-Linear Ranking Model," *Annales Universitatis Scientiarum Budapestinensis de Rolando Eotvos Nominatae Sectio Computatorica*, Vol. 43, pp. 123-147, 2014.

Hanh H. Hoang, Jason J. Jung, Chi P. Tran, "Ontology-Based Approaches for Cross-Enterprise Collaboration: A Literature Review on Semantic Business Process Management," *Enterprise Information Systems*, Vol. 8, No. 6, pp. 648-664, 2014.

Win-Tsung Lo, Yue-Shan Chang, Ruey-Kai Sheu, Jason J. Jung, "The Practice of Two-Phase Recommender System for Sporting Goods," *Malaysian Journal of Computer Science*, Vol. 27, No. 2, pp. 138-155, 2014.

Duc T. Nguyen, Jason J. Jung, "Privacy-preserving Discovery of Topic-based Events from Social Sensor Signals: An Experimental Study on Twitter," *Scientific World Journal*, Vol. 2014, Article ID 204785, 2014.

Jason J. Jung, "Measuring Trustworthiness of Information Diffusion by Risk Discovery Process in Social Networking Services," *Quality & Quantity*, Vol. 48, No. 3, pp. 1325-1336, 2014.

Xuan Hau Pham, Tuong Tri Nguyen, Jason J. Jung, Ngoc Thanh Nguyen, "iA,V_i-SPEAR: A New Method for Expert-based Recommendation Systems," *Cybernetics and Systems*, Vol. 45, No. 2, pp. 165-179, 2014.

Mahmood Fathalipour, Ali Selamat, Jason J. Jung, "Ontology-Based, Process-Oriented and Society-Independent Agent System for Cloud Computing," *International Journal of Distributed Sensor Networks*, Vol. 2014, Article ID 689650, 2014.

Xuan Hau Pham, Jason J. Jung, Le Ahn Vu, Seung-Bo Park "Exploiting Social Contexts for Movie Recommendation," *Malaysian Journal of Computer Science*, Vol. 27, No. 1, pp. 68-79, 2014.

Jason J. Jung, "Understanding information propagation on online social tagging systems: a case study on Flickr," *Quality & Quantity*, Vol. 48, No. 2, pp. 745-754, 2014.

Duc Nguyen Trung, Jason J. Jung, "Sentiment Analysis Based on Fuzzy Propagation in Online Social Networks: a Case study on TweetScope," *Computer Science and Information Systems*, Vol. 11, No. 1, pp. 215-228, 2014.

Namhee Lee, Jung J. Jung, Ali Selamat, Dosam Hwang, "Black-Box Testing of Practical Movie Recommendation Systems," *Computer Science and Information Systems*, Vol. 11, No. 1, pp. 241-

249, 2014.

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Jason J. Jung (Chung-Ang University, South Korea). Fatwa Firdaus Abdi, Ph.D (Helmholtz-Zentrum Berlin, Germany). Teguh Citra Asmara, Ph.D. (National University of Singapore, Singapore). Vijay Kumar Thakur, Ph.D. (National University of Singapore, Singapore). Asst. Prof. Raju Kumar Gupta (Indian Institute of Technology Kanpur, India). Kamhaeng Wattanasen, Ph.D. (Prince of Songkla University, Thailand). Prof. M. Andri Setiawan (Universitas Islam Indonesia, Indonesia). Arief Witarto, Ph.D. (Universitas Teknologi Sumbawa, Indonesia). Bramastha Nugraha, Ph.D. (University of Zurich/University Hospital Zurich, Switzerland). Erlia Narulita, Ph.D. (Universitas Jember, Indonesia). Official tennis player profile of Jason Jung on the ATP Tour. Featuring news, bio, rankings, playing activity, coach, stats, win-loss, points breakdown, videos, and more. Jason Jung defeats Nicolas Mahut to reach his first ATP World Tour quarter-final. Jason Jung is the champion in San Francisco in 2018, claiming his third ATP Challenger Tour title. Jason Jung, MSc. Doctoral Candidate, Department of Applied Physics, Advanced Nanomaterials & Devices. Email:j.jung@tue.nl. 6 Citations. Source: Scopus. Dive into the research topics where Jason Jung is active. These topic labels come from the works of this person. Together they form a unique fingerprint. Ph.D. Dissertation. University of Avignon, France. Google Scholar. Xavier Bost, Vincent Labatut, Serigne Gueye, and Georges Linar's. O-Joun Lee and Jason J. Jung. 2016. Affective Character Network for Understanding Plots of Narrative Contents. In Proceedings of the Workshop on Affective Computing and Context Awareness in Ambient Intelligence (AfCAI 2016) (CEUR Workshop Proceedings), Mar'a Trinidad Herrero Ezquerro, Grzegorz J. Nalepa, and Jos' Tom's Palma Mendez (Eds.), Vol. 1794. CEUR-WS.org, Murcia, Spain. Google Scholar. O-Joun Lee and Jason J. Jung. 2018. Explainable Movie Recommendation Systems by using Story-based Similarity.