

Yutaka Matsuo

Department of Technology Management for Innovation

Graduate School of Engineering

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1 Curriculum Vitae

1.1 Primary Research Interests

- Web mining and social network analysis
- Big data analysis
- Development of web services and their business models
- Machine learning and natural language processing
- Artificial intelligence

1.2 Education

- Ph.D. Information and Communication Engineering, The University of Tokyo, Japan, 2002. Thesis: “Hypothetical reasoning and keyword extraction from texts”. Advisor: Mitsuru Ishizuka
- M.S. Electrical Engineering, The University of Tokyo, Japan, 1999
- B.A. Information and Communication Engineering, The University of Tokyo, Japan, 1997
- High School: Marugame High School, Kagawa, Japan, 1993

1.3. Professional Positions

- Associate Professor, Department of Engineering, The University of Tokyo, Japan. October 2007 – present.
 - Currently supervising 16 Doctorate students, 8 Masters students, and 3 Undergraduates. Teaching a graduate course.
 - Research projects include (a) social network mining from the web, (b) big data analysis for companies and industries, and (c) application and advancement of deep learning.
 - Serving as a director of “Chair for Global Consumer Intelligence” in University of Tokyo.
- Technology Advisor, Founder, Ohma Inc., 2008–present
 - The company provides SPYSEE, a people search service in Japan
- Technology Advisor, Founder, READYFOR Inc., 2014–present
 - The company provides READYFOR, a crowd-funding service in Japan
- Advisor, Industrial Growth Platform, Inc. (IGPI), 2012–present
 - The company provides consulting service and investments to major companies in Japan. Especially, my service is the advisory for big data analysis for corporate data
- Technology Advisor, Pluga Capital, 2012–present
 - Directing AI-based trading methods

- Visiting Associate Professor, National Institute of Informatics, Japan, April 2008 – 2014
 - Research on social networks, social media, and semantic web
- Technology Advisor, Hottolink, Inc., 2003–2011
 - Set the R&D direction for this 50-person company, and led algorithm design of Web2.0 systems.
- Visiting Scholar, Center for the Study of Language and Information, Stanford University, 2005–2007. Advisor: Professor Stanley Peters. Web mining for dialog systems.
- Researcher, National Institute of Advanced Industrial Science and Technology, Japan, April 2002 – October 2007
 - Research on data mining, ubiquitous computing, social media, and web mining

1.4 Grant and Contract Proposals and Activities

- Director, Chair for Global Consumer Intelligence, sponsored from nine companies in Japan, April 2014-present
- PI, Joint Research with Financial Services Agency (FSA) in Japan, August 2013 – present
- PI, Grant-in-Aid for Young Scientists (A), Ministry of Education, Culture, Sports, Science and Technology (MEXT), Spring 2013 – Spring 2017
- PI, Joint Research with Minister of Economy, Trade and Industry (METI), September 2012 – present
- PI, Joint Research with Recruit Holdings Co.,Ltd., August 2012-present
- PI, Joint Research with Industrial Growth Platform, Inc. (IGPI), August 2012 – present
- PI, Joint Research with Toyota Information Technology Center, October 2009–2013
- PI, Joint Research with Wellness Cooperation, April 2010 – present
- PI, Industrial Technology Research Grant Program, New Energy and Industrial Technology Development Organization (NEDO), Spring 2008 – Spring 2012
- PI, Proposal-Oriented Research Promotion Program (PRESTO), Japan Science and Technology Agency (Hideyuki Nakashima PM), Fall 2008 – Fall 2011
- PI, Joint Research with Ioix Inc., August 2009 – July 2010
- Postdoctoral Fellowships for Research Abroad, Japan Society for the Promotion of Science, Spring 2005 – Fall 2007
- PI, Grant-in-Aid for Scientific Research (B), Ministry of Education, Culture, Sports, Science and Technology (MEXT), Spring 2005 – Spring 2006
- PI, Strategic Information and Communications R&D Promotion Programme (SCOPE), Ministry of Internal Affairs and Communications (MIC), Spring 2003 – Spring 2006

1.5 Honors

- JSAI Distinguished Service Award, 2013, Japanese Society for Artificial Intelligence
- Docomo Mobile Science Award, 2013, NTT Docomo Inc.
- JSAI Field Innovation Award, 2011, Japanese Society for Artificial Intelligence
- IPSJ Nagao Special Researcher Award, 2007, Information Processing Society of Japan

- JSAI Anniversary Project Award, 2006, Japanese Society for Artificial Intelligence
- JSAI Best Paper Award, 2002, Japanese Society for Artificial Intelligence

2. Publications and Presentations

2.1 Journal Publications

- [1] Danushka Bollegala, Yutaka Matsuo, Mitsuru Ishizuka: Minimally Supervised Novel Relation Extraction Using a Latent Relational Mapping. *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, 25(2): 419-432, 2013
- [2] Takeshi Sakaki, Makoto Okazaki, and Yutaka Matsuo. Tweet Analysis for Realtime Event Detection and Earthquake Reporting System Development. *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, 25(4), 919-931, 2013.
- [3] Danushka Bollegala, Yutaka Matsuo, Mitsuru Ishizuka: Automatic Annotation of Ambiguous Personal Names on the Web. *Computational Intelligence* 28(3): 398-425, 2012
- [4] Danushka Bollegala, Yutaka Matsuo, Mitsuru Ishizuka: Measuring the Degree of Synonymy between Words Using Relational Similarity between Word Pairs as a Proxy. *IEICE Transactions* 95-D(8): 2116-2123, 2012
- [5] Yingzi Jin, Ching-Yung Lin, Yutaka Matsuo, Mitsuru Ishizuka: Mining dynamic social networks from public news articles for company value prediction. *Social Network Analysis and Mining* 2(3): 217-228, 2012
- [6] Danushka Bollegala, Yutaka Matsuo, Mitsuru Ishizuka: A Supervised Classification Approach for Measuring Relational Similarity between Word Pairs. *IEICE Transactions* 94-D(11): 2227-2233, 2011
- [7] Danushka Bollegala, Yutaka Matsuo, Mitsuru Ishizuka: Automatic Discovery of Personal Name Aliases on the Web, *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, 23(6): 831-844, 2011
- [8] Danushka Bollegala, Yutaka Matsuo, and Mitsuru Ishizuka: A Web Search Engine-based Approach to Measure Semantic Similarity between Words, *IEEE Transactions of Knowledge and Data Engineering (TKDE)*, 23(7): 977-990, 2011
- [9] Haibo Li, Yutaka Matsuo, Mitsuru Ishizuka: Relations Expansion: Extracting Relationship Instances from the Web. *Web Intelligence*, 184-187, 2010
- [10] Haibo Li, Yutaka Matsuo, Mitsuru Ishizuka: Graph Based Multi-View Learning for Semantic Relation Extraction. *International Journal of Semantic Computing* 4(3): 285-300, 2010
- [11] Yulan Yan, Yutaka Matsuo, Mitsuru Ishizuka: A New Shallow Semantic Parser for Describing the Concept Structure of Text, *International Journal of Semantic Computing*, 2009
- [12] Yingzi Jin, Yutaka Matsuo, and Mitsuru Ishizuka: Extracting Inter-Firm Networks from World Wide Web Using General-Purpose Search Engine, *Journal of Online Information Review*, 32(2), 2008.
- [13] Yutaka Matsuo, Junichiro Mori, Masahiro Hamasaki, Keisuke Ishida, Takuichi Nishimura, Hideaki Takeda, Koiti Hasida, and Mitsuru Ishizuka: POLYPHONET: An Advanced Social Network Extraction System, *Journal of Web Semantics*, Vol. 5, No. 4, 2007
- [14] Naoaki Okazaki, Yutaka Matsuo, and Mitsuru Ishizuka: An Integrated Summarization System with Sentence Extraction on Fragmentary Information and Sentence Ordering Using Precedence Relation, *ACM Transactions on Asian Language Information Processing (ACM-TALIP)*, Vol. 4, Issue 3, 2005
- [15] Yutaka Matsuo and Mitsuru Ishizuka: Keyword Extraction from a Single Document using Word Co-occurrence Statistical Information, *International Journal on Artificial Intelligence Tools*, Vol.13, No.1, pp.157-169, 2004
- [16] Naoaki Okazaki, Yutaka Matsuo, Naohiro Matsumura and Mitsuru Ishizuka: Sentence Extraction by Spreading Activation with Refined Similarity Measure, *IEICE Transactions on Information and Systems*, Vol.E86-D, No.9, pp.1687-1694, 2003

- [17] Yutaka Matsuo, Yukio Ohsawa, and Mitsuru Ishizuka: Average-clicks: A New Measure of Distance on the World Wide Web, *Journal of Intelligent Information Systems*, Vol. 20, No. 1, pp. 51--62, 2003
- [18] Naohiro Matsumura, Yutaka Matsuo, Yukio Ohsawa and Mitsuru Ishizuka: Discovering Emerging Topics from WWW, *Journal of Contingencies and Crisis Management*, Vol. 10, No. 2, pp. 73--81, 2002
- [19] Mitsuru Ishizuka and Yutaka Matsuo: SL Method for Computing a Near-optimal Solution using Linear and Non-linear Programming in Cost-based Hypothetical Reasoning, *Knowledge-Based Systems*, Vol. 15, Issue 7, pp. 369-376, 2002

As for September 2013, other 35 journal papers are already published in Japanese from Japanese Society for Artificial Intelligence (JSAD), Information Processing Society of Japan (IPSJ), The Institute of Electronics, Information and Communication Engineers (IEICE), and The Association for Natural Language Processing (in Japan) (NLP).

2.3 Refereed Conference Publications

- [1] Kotaro Nakayama, Yutaka Matsuo: MIGSOM: A SOM Algorithm for Large Scale Hyperlinked Documents Inspired by Neuronal Migration. *DASFAA (1) 2014*: 79-94
- [2] Shohei Ohsawa, Yutaka Matsuo: Like prediction: modeling like counts by bridging facebook pages with linked data. *Proc. 22nd International World Wide Web Conference (WWW2013)*, pp. 541-548, 2013
- [3] Takeshi Sakaki, Fujio Toriumi, Kousuke Shinoda, Kazuhiro Kazama, Satoshi Kurihara, Itsuki Noda, Yutaka Matsuo: Regional analysis of user interactions on social media in times of disaster, *Proc. 22nd International World Wide Web Conference (WWW2013)*, pp. 235-236, 2013
- [4] Masanao Ochi, Yutaka Matsuo, Makoto Okabe, and Rikio Onai, Rating Prediction by Correcting User Review Bias, *Proc. 2012 IEEE/WIC/ACM Web Intelligence (WI 2012)*, 2012
- [5] Takeshi Sakaki, Yutaka Matsuo, Tadashi Yanagihara, Naiwala Chandrasiri, and Kazunari Nawa. Real-time event extraction for driving information from social sensors, *Proc. IEEE International Conference on Cyber Technology in Automation, Control, and Intelligent Systems*, 2012
- [6] Yutaka Matsuo: Social Network Mining for People Search, *Proc. International Conference on Advances in Social Networks Analysis and Mining (ASONAM)*, 2011
- [7] Kotaro Nakayama, Yutaka Matsuo: A self organizing document map algorithm for large scale hyperlinked data inspired by neuronal migration, *Proc. 20th International World Wide Web Conference (WWW2011)*, pp.95-96, 2011
- [8] Danushka Bollegala, Yutaka Matsuo, Mitsuru Ishizuka: From actors, politicians, to CEOs: domain adaptation of relational extractors using a latent relational mapping, *Proc. 20th International World Wide Web Conference (WWW2011)*, pp.13-14, 2011
- [9] Yingzi Jin, Ching-Yung Lin, Yutaka Matsuo, Mitsuru Ishizuka: Mining Longitudinal Network for Predicting Company Value, *Proc. 22nd International Joint Conference on Artificial Intelligence (IJCAI2011)*, pp.2268-2273, 2011
- [10] Danushka Bollegala, Yutaka Matsuo, Mitsuru Ishizuka: Relation Adaptation: Learning to Extract Novel Relations with Minimum Supervision, *Proc. 22nd International Joint Conference on Artificial Intelligence (IJCAI2011)*, pp.2205-2210, 2011
- [11] Naoki Tani, Danushka Bollegala, Naiwala P. Chandrasiri, Keisuke Okamoto, Kazunari Nawa, Shuhei Iitsuka, Yutaka Matsuo: Collaborative exploratory search in real-world context. *Proc. CIKM 2011*: 2137-214, 2011
- [12] Yingzi Jin, Yutaka Matsuo, Mitsuru Ishizuka: Mining and Analyzing Social Networks, *Studies*

in Computational Intelligence Volume 288, pp 107-123, 2010

- [13] Tadanobu Furukawa, Seishi Okamoto, Yutaka Matsuo, Mitsuru Ishizuka: Prediction of social bookmarking based on a behavior transition model. Proc. 2010 ACM Symposium on Applied Computing (SAC), pp. 1741-1747, 2010
- [14] Haibo Li, Yutaka Matsuo, Mitsuru Ishizuka: Relations Expansion: Extracting Relationship Instances from the Web. Proc. Web Intelligence (WI), pp.184-187, 2010
- [15] Haibo Li, Yutaka Matsuo, Mitsuru Ishizuka: Semantic Relation Extraction Based on Semi-supervised Learning, Proc. 6th Asia Information Retrieval Societies Conference (AIRS) , pp. 270-279, 2010
- [16] Yulan Yan, Haibo Li, Yutaka Matsuo, Zhenglu Yang, Mitsuru Ishizuka: Multi-View Clustering with Web and Linguistic Features for Relation Extraction, Proc. 12th International Asia-Pacific Web Conference (APWeb-2010), April 2010.
- [17] Yulan Yan, Haibo Li, Yutaka Matsuo, Mitsuru Ishizuka: Multi-View Bootstrapping for Relation Extraction by Exploring Web Features and Linguistic Features, Proc. 11th International Conference on Intelligent Text Processing and Computational Linguistics (CICLing-2010), March 2010.
- [18] Takeshi Sakaki, Yutaka Matsuo: How to Become Famous in the Microblog World. Proc. International Conference on Weblogs and Social Media (ICWSM), 2010
- [19] Takeshi Sakaki, Makoto Okazaki, and Yutaka Matsuo: Earthquake Shakes Twitter Users: Real-time Event Detection by Social Sensors, Proc. 18th International World Wide Web Conference (WWW2010), April 2010
- [20] Danushka Bollegala, Yutaka Matsuo and Mitsuru Ishizuka: Relational Duality: Unsupervised Extraction of Semantic Relations between Entities on the Web, Proc. 18th International World Wide Web Conference (WWW2010), April 2010
- [21] Junichiro Mori, Yutaka Matsuo, Hitoshi Koshiba, Kenro Aihara, Hideaki Takeda: Predicting Customer Models Using Behavior-Based Features in Shops. Proc. 17th International Conference (UMAP), pp.126-137, 2009
- [22] Yingzi Jin, Yutaka Matsuo, and Mitsuru Ishizuka: Ranking Learning on the Web by Integrating Network-Based Features, Proc. International Conference on Advances in Social Networks Analysis and Mining (ASONAM), 2009
- [23] Danushka Bollegala, Yutaka Matsuo and Mitsuru Ishizuka: A Relational Model of Semantic Similarity between Words using Automatically Extracted Lexical Pattern Clusters from the Web, Proc. Conference on Empirical Methods in Natural Language Processing (EMNLP 2009), August 2009
- [24] Yulan Yan, Yutaka Matsuo and Mitsuru Ishizuka: Unsupervised Relation Extraction by Mining Wikipedia Texts with Support from Web Corpus, Proc. the Joint conference of the 47th Annual Meeting of the Association for Computational Linguistics and the 4th International Joint Conference on Natural Language Processing of the Asian Federation of Natural Language Processing (ACL-IJCNLP 2009), August 2009
- [25] Danushka Bollegala, Yutaka Matsuo, and Mitsuru Ishizuka: Measuring the Similarity between Implicit Semantic Relations from the Web, Proc. 18th International World Wide Web Conference (WWW2009), April 2009
- [26] Yutaka Matsuo and Hikaru Yamamoto: Community Gravity: Measuring Bidirectional Effects by Trust and Rating on Online Social Networks, Proc. 18th International World Wide Web Conference (WWW2009), April 2009

- [27] Danushka Bollegala, Yutaka Matsuo, and Mitsuru Ishizuka: Measuring the Similarity between Implicit Semantic Relations using Web Search Engines, Proc. 2nd International Conference on Web Search and Data Mining (WSDM 2009), February 2009
- [28] Danushka Bollegala, Yutaka Matsuo, Mitsuru Ishizuka: A Co-occurrence Graph-based Approach for Personal Name Alias Extraction from Anchor Texts. Proc. International Joint Conference on Natural Language Processing (IJCNLP), pp.865-870, 2008
- [29] Tadanobu Furukawa, Yutaka Matsuo, Ikki Ohmukai, Koki Uchiyama, Mitsuru Ishizuka: Extracting Topics and Innovators Using Topic Diffusion Process in Weblogs. Proc. International Conference on Weblogs and Social Media (ICWSM), 2008
- [30] Yulan Yan, Yutaka Matsuo, Mitsuru Ishizuka, Toshio Yokoi: Relation Classification for Semantic Structure Annotation of Text, Proc. 2008 IEEE/WIC/ACM International Conference on Web Intelligence (WI'08), Sydney, Australia, 2008
- [31] Yulan Yan, Yutaka Matsuo, Mitsuru Ishizuka and Toshio Yokoi: Annotation an Extension Layer of Semantic Structure for Natural Language Text, Proc. 2nd IEEE International Conference on Semantic Computing (ICSC), pp.174-181, Santa Clara, CA, USA, August 2008
- [32] Danushka Bollegala, Yutaka Matsuo, and Mitsuru Ishizuka: WWW sits the SAT: Measuring Relational Similarity from the Web, Proc. 18th European Conference on Artificial Intelligence (ECAI 2008), August 2008
- [33] Jun Karamon, Yutaka Matsuo, and Mitsuru Ishizuka: Generating Useful Network-based Features for Analyzing Social Networks, Proc. 23rd Conference on Artificial Intelligence (AAAI-08), 2008
- [34] Jun Karamon, Yutaka Matsuo, Hikaru Yamamoto, and Mitsuru Ishizuka: Generating Social Network Features for Link-based Classification, Proc. European Conference on Principles and Practice of Knowledge Discovery in Databases (PKDD 2007), 2007
- [35] Yutaka Matsuo, Hironori Tomobe, and Takuichi Nishimura: Robust Estimation of Google Count for Social Network Extraction, Proc. Twenty-Second Conference on Artificial Intelligence (AAAI-07), 2007
- [36] Nguyen Dat, Yutaka Matsuo, Mitsuru Ishizuka: Relation Extraction from Wikipedia Using Subtree Mining, Proc. Twenty-Second Conference on Artificial Intelligence (AAAI-07), 2007
- [37] YingZi Jin, Yutaka Matsuo, and Mitsuru Ishizuka: Extracting Social Networks among Various Entities on the Web, Proc. Fourth European Semantic Web Conference (ESWC 2007), 2007
- [38] Danushka Bollegara, Yutaka Matsuo, and Mitsuru Isizuka: Measuring Semantic Similarity between Words using Web Search Engines, Proc. 16th International World Wide Web Conference (WWW2007), 2007
- [39] Kosuke Shinoda, Yutaka Matsuo, and Hideyuki Nakashima: Emergence of Global Network Property based on Multi-agent Voting Model, Proc. 2007 International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2007), 2007
- [40] Danushka Bollegara, Yutaka Matsuo, and Mitsuru Isizuka: An Integrated Approach to Measuring Semantic Similarity between Words using Information Available on the Web, Proc. Human Language Technologies: The Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL-HLT 2007) , 2007
- [41] Tadanobu Furukawa, Yutaka Matsuo, Ikki Ohmukai, Koki Uchiyama, and Mitsuru Ishizuka: Social Networks and Reading Behavior in Blogosphere, International Conference on Weblogs and Social Media (ICWSM), pp.51-58, 2007
- [42] Yutaka Matsuo, Naoaki Okazaki, Kiyoshi Izumi, Yoshiyuki Nakamura, Takuichi Nishimura, Koiti Hasida, and Hideyuki Nakashima: Inferring Long-term User Property based on Users' Location History, Proc. 20th International Joint Conference on Artificial Intelligence (IJCAI 2007), 2007
- [43] Junichiro Mori, Yutaka Matsuo, and Mitsuru Ishizuka: Extracting Keyphrases to Represent Relations in Social Networks from Web, Proc. 20th International Joint Conference on

Artificial Intelligence (IJCAI 2007), 2007

- [44] Junichiro Mori, Takumi Tsujishita, Yutaka Matsuo, and Mitsuru Ishizuka: Extracting Relations in Social Networks from Web using Similarity between Collective Context, Proc. Fifth International Semantic Web Conference (ISWC 2006), 2006
- [45] Tom Hope, Noriyuki Fujimura, Masahiro Hamasaki, Yutaka Matsuo, and Takuichi Nishimura: Doing Community with IC Cards: Co-construction of Meaning and Use with Interactive Information Kiosks, Proc. Eighth International Conference on Ubiquitous Computing (UbiComp 2006), 2006
- [46] Danushka Bollegara, Yutaka Matsuo, Mitsuru Ishizuka: Disambiguating Personal Names on the Web using Automatically Extracted Key Phrases, Proc. 17th European Conference on Artificial Intelligence (ECAI-06) , 2006
- [47] Yutaka Matsuo, Takeshi Sakaki, Koki Uchiyama, and Mitsuru Ishizuka: Graph-based Word Clustering using Web Search Engine, Proc. 2006 Conference on Empirical Methods in Natural Language Processing (EMNLP 2006), 2006
- [48] Yutaka Matsuo, Masahiro Hamasaki, Yoshiyuki Nakamura, Takuichi Nishimura, Koiti Hasida, Hideyuki Takeda, Junichiro Mori, Danushka Bollegara, and Mitsuru Ishizuka: Spinning Multiple Social Network for Semantic Web, Proc. 21st National Conference on Artificial Intelligence (AAAI-06), 2006
- [49] Yutaka Matsuo, Junichiro Mori, Masahiro Hamasaki, Keisuke Ishida, Takuichi Nishimura, Hideaki Takeda, Koiti Hasida, and Mitsuru Ishizuka: POLYPHONET: An Advanced Social Network Extraction System, Proc. 15th International World Wide Web Conference (WWW2006), 2006
- [50] Yutaka Matsuo, Hironori Tomobe, Koiti Hasida and Mitsuru Ishizuka: Finding Social Network for Trust Calculation, Proc. 16th European Conf. on Artificial Intelligence (ECAI2004) , pp.510-514, 2004
- [51] Naoaki Okazaki and Yutaka Matsuo and Mitsuru Ishizuka: Improving Chronological Sentence Ordering by Precedence Relation, Proc. 20th International Conference on Computational Linguistics (COLING 04) , pp.750-756, 2004
- [52] Yutaka Matsuo: Word Weighting based on User's Browsing History, Proc. Ninth International Conference on User Modeling (UM'03) , LNAI 2702, pp.35-33, 2003
- [53] Yutaka Matsuo and Mitsuru Ishizuka: Two Transformation of Clauses into Constraints and their Properties for Cost-based Hypothetical Reasoning, Proc. Seventh Pacific Rim International Conferences on Artificial Intelligence (PRICAI 2002), LNAI 2417, pp.118-127, 2002

3. Service Activities

3.1 Professional Service

- Editor-in-Chief, Transactions of the Japanese Society for Artificial Intelligence, 2012 – 2014
- Associate Editor-in-Chief, Transactions of the Japanese Society for Artificial Intelligence, 2010–2012
- Editorial Board Member, Transactions of the Japanese Society for Artificial Intelligence, 2004–2012
- Associate Editor, ACM Transactions on Intelligent Systems and Technology (ACM TIST), 2010 – present
- Program Committee, 24th World Wide Web Conference (WWW2015), May 2015
- Track Chair (Web Mining Track), 23rd World Wide Web Conference (WWW2014), April 2014
- Program Committee, 22nd World Wide Web Conference (WWW2013), April 2013
- Program Committee, 21st World Wide Web Conference (WWW2012), April 2012

- Program Committee, 20th World Wide Web Conference (WWW2011), April 2011
- Program Committee, 19th World Wide Web Conference (WWW2010), April 2010
- Program Committee, 18th World Wide Web Conference (WWW2009), April 2009
- Program Committee, 17th World Wide Web Conference (WWW2008), April 2008
- Program Committee, Seventh ACM International Conference on Web Search and Data Mining (WSDM2014), Feb. 2014
- Program Committee, Sixth ACM International Conference on Web Search and Data Mining (WSDM2013), Feb. 2013
- Program Committee, Fourth ACM International Conference on Web Search and Data Mining (WSDM2011), Feb. 2011
- Program Committee, Third Asian Semantic Web Conference (ASWC 2008), Dec. 2008
- Program Committee, The 2008 International Conference on Web Intelligence (WI'08), Dec. 2008
- Program Committee, International Conference on Weblogs and Social Media (ICWSM 2008), March 2008
- Program Committee, Sixth International Semantic Web Conference (ISWC 2007), Nov. 2007
- Program Committee, 11th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2007), May 2007

3.2 Departmental Service Activities

- Budget Committee, Department of Systems Innovation, School of Engineering, The University of Tokyo, 2013 – present
- Information Security Committee, Institute of Engineering Innovations, The University of Tokyo, 2008 – present
- Engineering Vision Committee, Department of Engineering, The University of Tokyo, 2008 – present

4. Advising and Teaching

4.1 Doctoral Committees

- [1] Shohei Ohsawa, The University of Tokyo, Advisor: Yutaka Matsuo, Graduated 2015
- [2] Naoko Matsuda, The University of Tokyo, Advisor: Yutaka Matsuo, Graduated 2014
- [3] Takeshi Sakaki, The University of Tokyo, Advisor: Yutaka Matsuo, Graduated 2014
- [4] Katsuya Uenoyama, The University of Tokyo, Advisor: Yutaka Matsuo, Graduated 2013
- [5] Daizo Ikeda, The University of Tokyo, Advisor: Kazuyuki Motohashi, Graduated 2013
- [6] Takaaki Kawanaka, The University of Tokyo, Advisor: Kazuyuki Motohashi, Graduated 2012
- [7] Yusuke Fukazawa, The University of Tokyo, Advisor: Jun Ohta, Graduated 2011
- [8] Jun Nakamura, The University of Tokyo, Advisor: Yukio Ohsawa, Graduated 2011
- [9] Li Haibo, The University of Tokyo, Advisor: Mitsuru Ishizuka, Graduated 2011
- [10] Kouichirou Eto, The University of Tokyo, Advisor: Ikuo Takeuchi, Graduated 2010
- [11] Yulan Yan, The University of Tokyo, Advisor: Mitsuru Ishizuka, Graduated 2010
- [12] Bollegala Danushka, The University of Tokyo, Advisor: Mitsuru Ishizuka, Graduated 2009

- [13] Tadanobu Furukawa, The University of Tokyo, Advisor: Mitsuru Ishizuka, Graduated 2009
- [14] Eiko Kin, The University of Tokyo, Advisor: Mitsuru Ishizuka, Graduated 2009
- [15] Naoki Shibata, The University of Tokyo, Advisor: Katsumori Matsushima, Graduated 2009
- [16] Masao Hirano, The University of Tokyo, Advisor: Katsumori Matsushima, Graduated 2009
- [17] Takeo Hirata, The University of Tokyo, Advisor: Katsumori Matsushima, Graduated 2009
- [18] Midori Takao, The University of Tokyo, Advisor: Katsumori Matsushima, Graduated 2009
- [19] Midori Takayama, The University of Tokyo, Advisor: Katsumori Matsushima, Graduated 2009
- [20] Shoichi Watai, The University of Tokyo, Advisor: Katsumori Matsushima, Graduated 2009
- [21] Shigetsune Yamoto, The University of Tokyo, Advisor: Katsumori Matsushima, Graduated 2009
- [22] Yuki Matsuoka, Graduate University for Advanced Study, Advisor: Hideaki Takeda, Graduated 2008

4.2 Current Graduate and Undergraduate Advisees

- [1] Tsuyoshi Watanabe (Ph.D. student, The University of Tokyo)
- [2] Naoko Matsuda (Ph.D. student, The University of Tokyo)
- [3] Masanao Ochi (Ph.D. student, The University of Tokyo)
- [4] Dali Huang (Ph.D. student, The University of Tokyo)
- [5] Takeshi Maeno (Ph.D. student, The University of Tokyo)
- [6] Ruwan Perera (Ph.D. student, The University of Tokyo)
- [7] Yoshifumi Seki (Ph.D. student, The University of Tokyo)
- [8] Yasuyuki Kataoka (Ph.D. student, The University of Tokyo)
- [9] Yusuke Iwasawa (Ph.D. student, The University of Tokyo)
- [10] Naoki Nonaka (Ph.D. student, The University of Tokyo)
- [11] Edison Marresse Taylor (Ph.D. student, The University of Tokyo)
- [12] Pablo Loyola (Ph.D. student, The University of Tokyo)
- [13] Yuki Yamamoto (Ph.D. student, The University of Tokyo)
- [14] Tetsuro Watanabe (Ph.D. student, The University of Tokyo)
- [15] Keiichi Ochiai (Ph.D. student, The University of Tokyo)
- [16] Shuhei Iitsuka (Ph.D. student, The University of Tokyo)
- [17] Jun Hozumi (Master student, The University of Tokyo)
- [18] Yassine Bouhmadi (Master student, The University of Tokyo)
- [19] Kunihiro Miyazaki (Master student, The University of Tokyo)
- [20] Rahul Kamath (Master student, The University of Tokyo)
- [21] Yuya Soneoka (Master student, The University of Tokyo)
- [22] Hiroki Kurotaki (Master student, The University of Tokyo)
- [23] Kaoru Nasuno (Master student, The University of Tokyo)
- [24] Yuto Ueda (Master student, The University of Tokyo)
- [25] Kei Minoura (Undergraduate student, The University of Tokyo)
- [26] Takuya Goto (Undergraduate student, The University of Tokyo)
- [27] Hibiki Imai (Undergraduate student, The University of Tokyo)

4.3 Past Graduate and Undergraduate Advisees and Research Supervised

- [1] Bollegala Danushka (Ph.D. student, The University of Tokyo), 2005–2009
- [2] Yulan Yan (Ph.D. student, The University of Tokyo), 2007–2009
- [3] Eiko–Kin (Ph.D. student, The University of Tokyo), 2004–2008
- [4] Junichiro Mori (Ph.D. student, The University of Tokyo), 2001–2008
- [5] Kazuki Ikawa (Master student, The University of Tokyo), 2010–2014
- [6] Shuhei Iitsuka (Master student, The University of Tokyo), 2012–2014
- [7] Takafumi Eto (Master student, The University of Tokyo), 2012–2014
- [8] Hamano Masashi (Master student, The University of Tokyo), 2012–2014
- [9] Gustavo Bezerra (Master student, The University of Tokyo), 2012–2014
- [10] Takahiro Anno (Undergraduate student, The University of Tokyo), 2013–2014
- [11] Kaoru Nasuno (Undergraduate student, The University of Tokyo), 2013–2014
- [12] Hiroki Kurotaki (Undergraduate student, The University of Tokyo), 2013–2014
- [13] Jooyeon Kim (Undergraduate student, The University of Tokyo), 2013–2014
- [14] Kazuya Kawakami (Undergraduate student, The University of Tokyo), 2013–2014
- [15] Yusuke Sugomori (Master student, The University of Tokyo), 2011–2013
- [16] Ukyo Haraguchi (Master student, The University of Tokyo), 2011–2013,
- [17] Koji Yoshida (Master student, The University of Tokyo), 2011–2013
- [18] Pan Rui (Master student, The University of Tokyo), 2010–2012
- [19] Junki Marui (Master student, The University of Tokyo), 2010–2012
- [20] Hiroki Takanashi (Master student, The University of Tokyo), 2010–2012
- [21] Ken Matsumura (Master student, The University of Tokyo), 2009–2011
- [22] Yuta Hayakawa (Master student, The University of Tokyo), 2009–2011
- [23] Yuki Matsumoto (Master student, The University of Tokyo), 2008–2010
- [24] Kosuke Makino (Master student, The University of Tokyo), 2008–2010
- [25] Kenta Onozuka (Master student, The University of Tokyo), 2008–2010
- [26] Keigo Watanabe (Master student, The University of Tokyo), 2008–2010
- [27] Yuzuru Okajima (Master student, The University of Tokyo), 2006–2008
- [28] Jun Karamon (Master student, The University of Tokyo), 2006–2008
- [29] Nguyen Phuoc Tat Dat (Master student, The University of Tokyo), 2005–2007
- [30] Takeshi Sakaki (Master student, The University of Tokyo), 2004–2006
- [31] Tomoya Taniguchi (Master student, The University of Tokyo), 2003–2005
- [32] Yohei Asada (Master student, The University of Tokyo), 2002–2005
- [33] Jun Hozumi (Undergraduate student, The University of Tokyo), 2012–2013
- [34] Kunihiro Miyazaki (Undergraduate student, The University of Tokyo), 2012–2013
- [35] Kaoru Nasuno (Undergraduate student, The University of Tokyo), 2012–2013
- [36] Shuhei Iitsuka (Undergraduate student, The University of Tokyo), 2011–2012
- [37] Naofumi Yamada (Undergraduate student, The University of Tokyo), 2011–2012
- [38] Naoyuki Gunji (Undergraduate student, The University of Tokyo), 2011–2012
- [39] Masato Yoshida (Undergraduate student, The University of Tokyo), 2011–2012

- [40] Naoki Orii (Undergraduate student, The University of Tokyo), 2010–2011
- [41] Yusuke Sugomori (Undergraduate student, The University of Tokyo), 2010–2011
- [42] Yoshifumi Seki (Undergraduate student, The University of Tokyo), 2010–2011
- [43] Naoki Tani (Undergraduate student, The University of Tokyo), Supervisor: Mitsuru Ishizuka, 2010–2011
- [44] Yoshihisa Inokuchi (Undergraduate student, The University of Tokyo), Supervisor: Mitsuru Ishizuka, 2010–2011
- [45] Makoto Okazaki (Undergraduate student, The University of Tokyo), 2009–2010
- [46] Agchbayar Amarsanaa (Undergraduate student, The University of Tokyo), 2009–2010
- [47] Akira Suenami (Undergraduate student, The University of Tokyo), 2009–2010
- [48] Pan Rui (Undergraduate student, The University of Tokyo), 2009–2010
- [49] Yuki Yao (Undergraduate student, The University of Tokyo), 2008–2009
- [50] Hideki Kaga (Undergraduate student, The University of Tokyo), 2008–2009
- [51] Makoto Kondo (Undergraduate student, The University of Tokyo), 2008–2009
- [52] Hayato Fukuda (Undergraduate student, The University of Tokyo), 2002–2003

4.4 Teaching Experience

- Instructor, “Special Lecture on Advanced Engineering”, UT 799-14, Spring 2008 – present
- Instructor, “Web Technology and Business Model”, UT 3792-127, Spring 2009 – present

5. Personal Information

- Born: 1975
- Nationality: Japan
- Marital Status: Married, one child
- Language: Japanese (Native language), English (Two years residence in Palo Alto, CA, USA)