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1 Curriculum Vitae

1.1 Primary Research Interests

- Social network mining
- Web mining / text mining. Information integration.
- Social network analysis
- Natural language processing
- Artificial intelligence

1.2 Education

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

1.3. Professional Positions

- Associate Professor, Department of Engineering, University of Tokyo, Japan. October 2007-present.
 - Currently supervising 7 Ph.D. students, 6 Masters students, and 3 undergraduates. Teaching a graduate class.
 - Research projects include (a) social network mining from the web, (b) knowledge structuring for industrial science and technology, and (c) machine learning with complex network theory.
- Visiting Scholar, Center for the Study of Language and Information, Stanford University, 2005-2007. Adviser: Professor Stanley Peters. Web mining for dialog systems.
- Technology Adviser, Hottoink Inc., 2003-present
 - Set R&D direction for this 50-person company toward, and lead algorithm designs of Web2.0 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.
- Visiting Associate Professor, National Institute of Informatics, Japan, April 2008-present
 - Research on social networks, social media, and semantic web.

1.4 Grant and Contract Proposals and Activities

- PI, Joint Research with Toyota Information Technology Center, October 2009-present
- PI, Joint Research with Wellness Cooperation, April 2010-present
- PI, Industrial Technology Research Grant Program, NEDO (New Energy and Industrial Technology Development Organization), Spring 2008 - Spring 2012
- PI, PRESTO (proposal-oriented research promotion program), 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), MEXT (Ministry of Education, Culture, Sports, Science and Technology), Spring 2005 - Spring 2006
- PI, SCOPE (Strategic Information and Communications R&D Promotion Programme), MIC (Ministry of Internal Affairs and Communications), Spring 2003 - Spring 2006

1.5 Honors

- 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, and Mitsuru Ishizuka: Automatic Annotation of Ambiguous Personal Names on the Web, *Computational Intelligence*, 2010
- [2] Danushka Bollegala, Yutaka Matsuo, Mitsuru Ishizuka: Automatic Discovery of Personal Name Aliases on the Web, *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, 2010
- [3] 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)*, 2010
- [4] 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*, Vol 32, no. 2, 2008.
- [5] 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
- [6] 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

- [7] 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
- [8] 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
- [9] 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
- [10] 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
- [11] 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 November 2008, 26 journal papers are already published in Japanese from Japanese Society for Artificial Intelligence (JSAI), 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] Yulan Yan, Haibo Li, Yutaka Matsuo, Mitsuru Ishizuka. Multi-View Bootstrapping for Relation Extraction by Exploring Web Features and Linguistic Features. In the 11th International Conference on Intelligent Text Processing and Computational Linguistics (CICLing-2010), Iași, Romania, March 21-27, 2010
- [2] Yulan Yan, Haibo Li, Yutaka Matsuo, Zhenglu Yang, Mitsuru Ishizuka. Multi-View Clustering with Web and Linguistic Features for Relation Extraction. In the 12th International Asia-Pacific Web Conference (APWeb-2010), Busan, Korea, April 16-8, 2010
- [3] 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)*, (2010.4)
- [4] 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)*, (2010.4)
- [5] 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)*, (2009.8)
- [6] 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), (2009.8)
- [7] Bollegala Danushka, Yutaka Matsuo, and Mitsuru Ishizuka: Measuring the Similarity between Implicit Semantic Relations from the Web, Proc. 18th International World Wide Web Conference (WWW2009), (2009.4)
 - [8] 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), (2009.4)
 - [9] Bollegala Danushka, 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), (2009.2)
 - [10] 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, (2008.8)
 - [11] 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), (2008.8)
 - [12] Jun Karamon, Yutaka Matsuo, and Mitsuru Ishizuka: Generating Useful Network-based Features for Analyzing Social Networks, Proc. 23rd Conference on Artificial Intelligence (AAAI-08), (2008.7)
 - [13] 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), (2007.9)
 - [14] 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), (2007.7)
 - [15] Nguyen Dat, Yutaka Matsuo, Mitsuru Ishizuka: Relation Extraction from Wikipedia Using Subtree Mining, Proc. Twenty-Second Conference on Artificial Intelligence (AAAI-07), (2007.7)
 - [16] YingZi Jin, Yutaka Matsuo, and Mitsuru Ishizuka: Extracting Social Networks among Various Entities on the Web, Proc. Fourth European Semantic Web Conference (ESWC 2007), (2007.6)
 - [17] Danushka Bollegara, Yutaka Matsuo, and Mitsuru Isizuka: Measuring Semantic Similarity between Words using Web Search Engines, Proc. 16th International World Wide Web Conference (WWW2007), (2007.5),
 - [18] 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), (2007.5)

- [19] Danushka Bollegara, Yutaka Matsuo, and Mitsuru Ishizuka: 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) , (2007.4)
- [20] 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, (2007.3)
- [21] 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), (2007.1)
- [22] 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), (2007.1)
- [23] 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), (2006.11)
- [24] 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), (2006.9)
- [25] 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) , (2006.8)
- [26] 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) (2006.7)
- [27] 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), (2006.7)
- [28] 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), (2006.5)
- [29] 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, (2004.8)
- [30] 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 (2004.8)

- [31] 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
- [32] 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

2.3 Refereed Workshop Publications

- [1] Mizuki Oka and Yutaka Matsuo: Mining Scholarly Semantic Networks from the Web, Proc. 12th International Conference Information Visualisation (IV08), July 2008
- [2] Danushka Bollegala, Yutaka Matsuo, and Mitsuru Ishizuka: Mining for Personal Name Aliases on the Web, poster, Proc. 17th International World Wide Web Conference (WWW2008), April 2008
- [3] Danushka Bollegala, Yutaka Matsuo, and Mitsuru Ishizuka: Identification of Personal Name Aliases on the Web, WWW2008 Workshop on Social Web Search and Mining, April 2008
- [4] YingZi Jin, Yutaka Matsuo, and Mitsuru Ishizuka: Ranking Entities on the Web using Social Network Mining and Ranking Learning, WWW2008 Workshop on Social Web Search and Mining, April 2008
- [5] Tadanobu Furukawa, Yutaka Matsuo, Ikki Ohmukai, Koki Uchiyama, and Mitsuru Ishizuka: Extracting Topics and Innovators Using Topic Diffusion Process in Weblogs, Poster, Proc. International Conference on Weblogs and Social Media (ICWSM), March 2008
- [6] Jie Yang, Yutaka Matsuo and Mitsuru Ishizuka: An Augmented Tagging Scheme with Triple Tagging and Collective Filtering, Proc. 2007 IEEE/WIC/ACM International Conference on Web Intelligence (WI07), pp.35-38, Silicon Valley, CA, USA (2007.11)
- [7] Yutaka Matsuo and Hikaru Yamamoto: Diffusion of Recommendation through a Trust Network, Proc. International Conference on Weblogs and Social Media (ICWSM), pp. 287-288,(2007.3)
- [8] Yoshiyuki Namamura, Yuko Namimatsu, Nobuo Miyazaki, Yutaka Matsuo, and Takuichi Nishimura: A Method for Estimating Position and Orientation with a Topological Approach using Multiple Infrared Tags, Fourth International Conference on Networked Sensing Systems (INSS 07), (2007.6)
- [9] Eiko Kin, Yutaka Matsuo, Mitsuru Ishizuka: Extracting a Social Network among Entities by Web Mining, ISWC'06 Workshop on Web Content Mining with Human Language Technologies (2006.11)
- [10] Masahiro Hamasaki, Yutaka Matsuo, Keisuke Ishida, Yoshiyuki Nakamura, Takuichi Nishimura, Hideaki Takeda: Community Focused Social Network Extraction, ASWC2006 (2006.9)
- [11] Tadanobu Furukawa, Tomofumi Matsuzawa, Yutaka Matsuo, Koki Uchiyama, Masayuki Takeda: Behavioral Analysis based on Relations in Weblogs, ASWC2006 (2006.9)

- [12] Tom Hope, Masahiro Hamasaki, Yutaka Matsuo, Takuichi Nishimura: Strengthening Community with Embodied Social Networks, Proc. HCI2006 (2006.8)
- [13] Danushka Bollegara, Yutaka Matsuo, and Mitsuru Ishizuka: Extracting Key Phrases to Disambiguate Personal Name Queries in Web Search, Workshop on Computational Linguistics in Information Retrieval (CLIIR) at COLING-ACL 2006 (2006.7)
- [14] Masahiro Hamasaki, Yutaka Matsuo, Keisuke Ishida, Yoshiyuki Nakamura, Takuichi Nishimura: An integrated method for social network extraction, poster, WWW2006 (2006.5)
- [15] Yuki Yasuda and Yutaka Matsuo: Making Invisible Colleges Visible -- AI Researchers' network Positions and Productivity, International Sunbelt Social Network Conference (Sunbelt XXVI) (2006.4)
- [16] Tadanobu Furukawa, Yutaka Matsuo, Tomofumi Matsuzawa, Masayuki Takeda and Koki Uchiyama: Users' Behavioral Analysis on Weblogs, AAAI Spring 2006 Symposia on Computational Approaches to Analysing Weblogs(AAAI-CAAW2006), (2006.3)
- [17] Danushka Bollegala, Yutaka Matsuo, Mitsuru Ishizuka: Extracting Key Phrases to Disambiguate Personal Names on the Web. CICLing 2006: 223-234, (2006.2)
- [18] Junichiro Mori, Tatsuhiko Sugiyama, Yutaka Matsuo: Real-world oriented information sharing using social networks. Proc. ACM-SIG GROUP 2005: 81-84, (2005.11)
- [19] Naoaki Okazaki, Yutaka Matsuo, and Mitsuru Ishizuka: Improving chronological ordering of sentences extracted from multiple newspaper article, ACM Transactions on Asian Language Information Processing (TALIP), Volume 4, Issue 3 (2005.9)
- [20] Tadanobu Furukawa, Tomofumi Matsuzawa, Yutaka Matsuo, Koki Uchiyama, Masayuki Takeda: Analysis of User's Relation and Reading Activity in Weblogs, ANDI'05(The First International Workshop on Agent Network Dynamics and Intelligence), (2005.6)
- [21] Yutaka Matsuo and Yuki Yasuda: An Analysis of Researcher Network Evolution on the Web, ANDI'05, (2005.6)
- [22] Kosuke Shinoda, Yutaka Matuo, Hideyuki Nakashima: Dynamics of network evolution based on mutual consensus, ANDI'05, (2005.6)
- [23] Juichiro Mori, Yutaka Matsuo, Koiti Hasida, and Mitsuru Ishizuka: Web Mining Approach for a User-centered Semantic Web, Workshop on End User Aspects of the Semantic Web, (2005.5)
- [24] Junichiro Mori, Tatsuhiko Sugiyama, Yutaka Matsuo, Hironori Tomobe, Mitsuru Ishizuaka: Real-world Oriented Information Sharing Using Social Network, XXV International Sunbelt social network conference, (2005.2)
- [25] Peter Mika, Tom Elfring, Peter Groenewegen, Yutaka Matsuo: Shoulders To Stand On: Network Analysis Of The Semantic Web Community, XXV International Sunbelt social network conference, (2005.2)
- [26] Yutaka Matsuo, Junichiro Mori, Yohei Asada, Koiti Hasida, Mitsuru Ishizuka: Mining Large-Scale Social Network Of Researcher From The Web, XXV International Sunbelt social network conference, (2005.2)
- [27] Yutaka Matsuo: Network Structure and its Emergence, International workshop on

- "Collaborate! In search for Intelligent Social Infrastructure", invited talk, Keio University, (2005.1)
- [28] Yutaka Matsuo: Social Knowledge for Ubiquitous Environment -- Human Network and Spatial Semantics --, International Symposium on Life-World Semantics and Digital City Design, (2004.12)
- [29] Junichiro Mori, Yutaka Matsuo, Mitsuru Ishizuka, Boi Faltings: Keyword Extraction from the Web for Person Metadata Annotation, ISWC Workshop Notes VIII (W8) - 4th International Workshop on Knowledge Markup and Semantic Annotation (Semannot2004) (in conjunction with 3rd Int'l Semantic Web Conference (ISWC2004)), Hiroshima, Japan, pp.51-60, (2004.11)
- [30] Junichiro Mori, Yutaka Matsuo, Mitsuru Ishizuka, Boi Faltings: Keyword Extraction from the Web for Creation of Person Metadata, Poster Abstracts 3rd Int'l Semantic Web Conference (ISWC2004), Hiroshima, Japan, pp.45-46, (2004.11)
- [31] Tomoya Taniguchi, Yutaka Matsuo, Koiti Hashida, Mitsuru Ishizuka: Detecting and Analyzing Blog Community, Poster Abstracts 3rd Int'l Semantic Web Conference (ISWC2004), Hiroshima, Japan, pp.45-46, (2004.11)
- [32] Shigeyoshi Hiratsuka, Yutaka Matsuo, Akio Sashima, Akira Takagi, Naoaki Izumi, and Koiti Kurumatani: Smart Navigation by Lightweight Components Coordination in Ubiquitous Computing, IROS2004, (2004.9)
- [33] Yohei Asada, Yutaka Matsuo and Mitsuru Ishizuka: A method to automatically find foaf:Groups based on the cooccurrence of people with keywords in the web, Workshop notes of 1st Workshop on Friend of a Friend, Social Networking and Semantic Web, (2004.9)
- [34] Junichiro Mori, Yutaka Matsuo, Mitsuru Ishizuka and Boi Faltings: Keyword Extraction from the Web for FOAF Metadata, Workshop notes of 1st Workshop on Friend of a Friend, Social Networking and Semantic Web, (2004.9)
- [35] Yutaka Matsuo, Masahiro Hamasaki, Junichiro Mori, Hideaki Takeda and Koiti Hasida: Ontological Consideration on Human Relationship Vocabulary for FOAF, Workshop notes of 1st Workshop on Friend of a Friend, Social Networking and Semantic Web, (2004.9)
- [36] Naoaki Okazaki and Yutaka Matsuo and Mitsuru Ishizuka: Coherent Arrangement of Sentences Extracted from Multiple Newspaper Articles, PRICAI 2004: Trends in Artificial Intelligence (C. Zhang, H. W. Guesgen, and W. K. Yeap (Eds.)). Lecture Notes in AI, LNAI 3157, Springer, pp.888-891 (Proc. 8th Pacific Rim Int'l Conf. on Artificial Intelligence, Auckland, New Zealand), (2004.8)
- [37] Yutaka Matsuo, Akira Takagi, Shigeyoshi Hiratsuka, Koiti Hasida, and Hideyuki Nakashima: Spatial Function Representation and Retrieval, Proc. PRICAI2004, LNAI3157, (2004.8)
- [38] Naoaki Okazaki and Yutaka Matsuo and Mitsuru Ishizuka: Coherent Arrangement of Sentences Extracted from Multiple Newspaper Articles, PRICAI 2004 Pre-Conference Workshop Notes (Workshop of Language Sense on Computer), Auckland, New Zealand, (2004.8)

- [39] Naoaki Okazaki and Yutaka Matsuo and Mitsuru Ishizuka: TISS: An Integrated Summarization System for TSC-3, Working Notes of the Fourth NTCIR Workshop Meeting (NTCIR-4), pp.436-443, 2004
- [40] Ratanachai Sombatsrisomboon, Yutaka Matsuo, and Mitsuru Ishizuka: Aquisition of Hypernyms and Hyponyms from the WWW, Proc. of 2nd Int'l Workshop on Active Mining (AM2003), pp.7-13, (in conjunction with Int'l Sympo. on Methodologies for Intelligent Systems), 2003
- [41] Yutaka Matsuo, Hironori Tomobe, Koiti Hasida, Mitsuru Ishizuka: Mining and Annotating Social Relationship, poster, ISWC2003, 2003
- [42] Yutaka Matsuo, Hironori Tomobe, Koiti Hasida, Mitsuru Ishizuka: Mining Social Network of Conference Participants from the Web, Web Intelligence 2003, 2003
- [43] Hironori Tomobe, Yutaka Matsuo, Koiti Hasida, Mitsuru Ishizuka: Social Network Extraction of Conference Participants, 12th International WWW Conference, poster, S27, 2003
- [44] Yutaka Matsuo, Mitsuru Ishizuka: Keyword Extraction from a Single Document using Word Co-occurrence Statistical Information, Proc. 16th Int'l FLAIRS Conf., pp. 392--396, 2003
- [45] Naoaki Okazaki, Yutaka Matsuo, Naohiro, Matsumura and Mitsuru Ishizuka: Sentence Extraction by Spreading Activation with Refined Similarity Measure, Proc. 16th Int'l FLAIRS Conf., pp. 407--411, 2003
- [46] 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
- [47] Naoaki Okazaki, Yutaka Matsuo, Naohiro Matsumura and Mitsuru Ishizuka: Sentence Extraction by Spreading Activation with Refined Similarity Measure, IEICE Transactions on Information and Systems, (Special Issue on Text Processing for Information Access), Vol.E86-D, No.9, pp.1687-1694, 2003
- [48] Yutaka Matsuo, Yukio Ohsawa: Finding Meaning of Clusters, AAAI Fall Symposium, Technical Report FS-02-01, pp.7-13, North Falmouth, USA, November 2002
- [49] Yutaka Matsuo, Hayato Fukuta, and Mitsuru Ishizuka: Browsing Support by Highlighting Keywords based on a User's Browsing History, IEEE SMC-2002, Hammamet, Tunisia, October 2002
- [50] Naoaki Okazaki, Yutaka Matsuo, Naohiro Matsumura, Hironori Tomobe, and Mitsuru Ishizuka: Extracting Characteristic Sentences from Related Documents, Proc. 6th Int'l Conf. on Knowledge-based Intelligent Information Engineering Systems & Applied Technologies(KES2002), IOS Press/Ohmsha (ISSN:0922-6389), Crema, Italy, pp. 1257--1261, September 2002.
- [51] Yutaka Matsuo: Clustering using Small World Structure, Proc. 6th Int'l Conf. on Knowledge-based Intelligent Information Engineering Systems & Applied Technologies(KES2002), IOS Press/Ohmsha (ISSN:0922-6389), Crema, Italy, pp.1252-1256, September 2002

- [52] Yutaka Matsuo, Yukio Ohsawa, and Mitsuru Ishizuka: Mining messages in an Electronic Message Board by Repetition of Words, PRICAI workshop on Chance Discovery, pp.51--56, Tokyo, 2002
- [53] Y. Ohsawa, H. Soma, Y. Matsuo, N. Matsumura, and M. Usui: Featuring Web Communities based on Word Co-occurrence Structure of Communications, 11th International WWW conference, 2002
- [54] Yutaka Matsuo, Yukio Ohsawa and Mitsuru Ishizuka: A Subjective Measure of Distance on the WWW, 11th International WWW conference, Poster Session, 2002
- [55] 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
- [56] Yutaka Matsuo, Yukio Ohsawa and Mitsuru Ishizuka: KeyWorld: Extracting Keywords in a Document as a Small World, DS-2001, pp. 271-281, 2001
- [57] Yutaka Matsuo, Yukio Ohsawa and Mitsuru Ishizuka: Average-clicks: A New Measure of Distance on the World Wide Web, Proc. Web Intelligence (WI2001), LNAI 2198, pp.125-130, 2001
- [58] Yutaka Matsuo, Yukio Ohsawa and Mitsuru Ishizuka: Discovering Hidden Relation behind a Link, KES-2001, pp.1183-1187, 2001
- [59] Yutaka Matsuo, Yukio Ohsawa and Mitsuru Ishizuka: A Document as a Small World, SCI 2001, Vol.8, pp.410-414, 2001
- [60] Yutaka Matsuo, Yukio Ohsawa, Mitsuru Ishizuka: Document as a Small World, JSAI 2001 International Workshop, (New Frontiers in Artificial Intelligence, Joint JSAI 2001 Workshop Post-Proceedings, LNAI 2253, pp.444-448), May 2001
- [61] Hiroshi Taira, Yutaka Matsuo, Yukio Ohsawa, Mitsuru Ishizuka: AreaView2001: A WWW Organization System with KeyGraph Technology, JSAI Workshop, May 2001
- [62] Mitsuru Ishizuka, Yutaka Matsuo and Helmut Prendinger: Polynomial-time Cost-based Hypothetical Reasoning: Propositional and Predicate Logic Cases, Dagstuhl seminar on Deduction, 2001
- [63] Yutaka Matsuo, Mitsuru Ishizuka: Fast Hypothetical Reasoning by Parallel Processing, PRICAI'00 Poster Session, Lecture Notes in Artificial Intelligence 1886, p.790
- [64] Yutaka Matsuo, Mitsuru Ishizuka: Fast Hypothetical Reasoning by Parallel Processing, AAAI 2000 Workshop "Leveraging Probability and Uncertainty in Computation" organized by Carla P. Gomes and Holger Hoos, at Austin, Texas, USA, July 31 - Aug 3, 2000
- [65] Yutaka Matsuo, Akihiko Yokoyama: Optimization of Installation of FACTS Device in Power System Planning by both Tabu Search and Nonlinear Programming Methods, ISAP'99(Intelligent System Application to Power System) pp.250-254 at Rio de Janeiro, Brazil 4th-8th April 1999
- [66] Mitsuru Ishizuka and Yutaka Matsuo: SL Method for Computing a Near-optimal Solution using Linear and Non-linear Programming in Cost-based Hypothetical Reasoning, PRICAI'98: Topics in Artificial Intelligence, Lecture Notes in Artificial Intelligence 1531,

3. Service Activities

3.1 Professional Service

- Associate Editor-in-Chief, Transactions of the Japanese Society for Artificial Intelligence, 2010-present
- Editorial Board Member, Transactions of the Japanese Society for Artificial Intelligence, 2004-present
- Associate Editor, ACM Transactions on Intelligent Systems and Technology (ACM TIST), 2010-present
- Program committee, 20th World Wide Web Conference (WWW2011), April 2011
- Program committee, Third ACM International Conference on Web Search and Data Mining (WSDM2011), Feb 2011
- Program committee, 19th World Wide Web Conference (WWW2010), April 2010
- Program committee, 18th World Wide Web Conference (WWW2009), April 2009
- Program committee, 3rd Asian Semantic Web Conference (ASWC 2008), Dec 2008
- Program committee, The 2008 International Conference on Web Intelligence (WI'08), Dec 2008
- Program committee, 17th World Wide Web Conference (WWW2008), April 2008
- Program committee, International Conference on Weblogs and Social Media (ICWSM 2008), March 2008
- Program committee, Sixth International Semantic Web Conference (ISWC 2007), November 2007
- Program committee, 11th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2007), May 2007
- Program committee, Workshop on Social and Collaborative Construction of Structured Knowledge, at 16th International World Wide Web Conference (WWW2007), May 2007
- Program committee, First International Workshop on Web Mining for E-commerce and E-services (WMEE2007), at IEEE Joint Conference on E-Commerce Technology (CEC'07), July 2007
- Program committee, Workshop on Emergent Intelligence on Networked Agents (WEIN' 07), at Sixth International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2007), May 2007
- Program committee, Workshop on Emergent Intelligence on Networked Agents (WEIN' 06), at Fifth International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2006), May 2006
- Program committee, First International Workshop on Agent Network Dynamics and Intelligence (ANDI05), at 19th Annual Conference of JSAI (JSAI2005), June 2005
- Co-organizer, Third International Workshop on Chance Discovery, at 10th International

Conference on Human - Computer Interaction (HCI2003), June, 2003

- Co-organizer, Chance Discovery invited session, at Sixth International Conference on Knowledge-Based Intelligent Information & Engineering Systems (KES2002), September, 2002

3.2 Departmental Service Activities

- Information Security Committee, Institute of Engineering Innovations, University of Tokyo, 2008-present
- Engineering Vision Committee, Department of Engineering, University of Tokyo, 2008-present

4. Advising and Teaching

4.1 Doctoral Committees

- [1] Yulan Yan, University of Tokyo, Adviser: Mitsuru Ishizuka, Graduated 2010
- [2] Bollegala Danushka, University of Tokyo, Adviser: Mitsuru Ishizuka, Graduated 2009
- [3] Tadanobu Furukawa, University of Tokyo, Adviser: Mitsuru Ishizuka, Graduated 2009
- [4] Eiko Kin, University of Tokyo, Adviser: Mitsuru Ishizuka, Graduated 2009
- [5] Naoki Shibata, University of Tokyo, Adviser: Katsumori Matsushima, Graduated 2009
- [6] Masao Hirano, University of Tokyo, Adviser: Katsumori Matsushima, Graduated 2009
- [7] Takeo Hirata, University of Tokyo, Adviser: Katsumori Matsushima, Graduated 2009
- [8] Midori Takao, University of Tokyo, Adviser: Katsumori Matsushima, Graduated 2009
- [9] Midori Takayama, University of Tokyo, Adviser: Katsumori Matsushima, Graduated 2009
- [10] Shoichi Watai, University of Tokyo, Adviser: Katsumori Matsushima, Graduated 2009
- [11] Shigetsune Yamoto, University of Tokyo, Adviser: Katsumori Matsushima, Graduated 2009
- [12] Yuki Matsuoka, Graduate University for Advanced Study, Adviser: Hideaki Takeda, Graduated 2008

4.2 Current Graduate and Undergraduate Advisees

- [1] Tsuyoshi Watanabe (Ph.D student, University of Tokyo)
- [2] Satoru Yamamoto (Ph.D student, University of Tokyo)
- [3] Takeshi Maeno (Ph.D student, University of Tokyo)
- [4] Ruwan Perera (Ph.D student, University of Tokyo)
- [5] Takeshi Sakaki (Ph.D student, University of Tokyo)
- [6] Katsuya Uenoyama (Ph.D student, University of Tokyo)
- [7] Naoko Matsuda (Ph.D student, University of Tokyo)
- [8] Yuta Hayakawa (Master student, University of Tokyo)
- [9] Ken Matsumura (Master student, University of Tokyo)
- [10] Kazuki Ikawa (Master student, University of Tokyo)
- [11] Hiroki Takanashi (Master student, University of Tokyo)
- [12] Junki Marui (Master student, University of Tokyo)

- [13] Pan Rui (Master student, University of Tokyo)
- [14] Yoshihisa Inokuchi (Undergraduate student, University of Tokyo), Supervisor: Mitsuru Ishizuka
- [15] Naoki Tani (Undergraduate student, University of Tokyo), Supervisor: Mitsuru Ishizuka
- [16] Naoki Orii (Undergraduate student, University of Tokyo)
- [17] Yusuke Sugomori (Undergraduate student, University of Tokyo)
- [18] Yoshifumi Seki (Undergraduate student, University of Tokyo)

4.3 Past Graduate and Undergraduate Advisees and Research Supervised

- [1] Bollegala Danushka (Ph.D student, University of Tokyo), 2005-2009
- [2] Yulan Yan (Ph.D student, University of Tokyo), 2007-2009
- [3] Eiko-Kin (Ph.D student, University of Tokyo), 2004-2008
- [4] Junichiro Mori (Ph.D. student, University of Tokyo), 2001-2008
- [19] Yuki Matsumoto (Master student, University of Tokyo), 2008-2010
- [20] Kosuke Makino (Master student, University of Tokyo), 2008-2010
- [5] Kenta Onozuka (Master student, University of Tokyo), 2008-2010
- [6] Keigo Watanabe (Master student, University of Tokyo), 2008-2010
- [7] Yuzuru Okajima (Master student, University of Tokyo), 2006-2008
- [8] Jun Karamon (Master student, University of Tokyo), 2006-2008
- [9] Nguyen Phuoc Tat Dat (Master student, University of Tokyo), 2005-2007
- [10] Takeshi Sakaki (Master student, University of Tokyo), 2004-2006
- [11] Tomoya Taniguchi (Master student, University of Tokyo), 2003-2005
- [12] Yohei Asada (Master student, University of Tokyo), 2002-2005
- [13] Makoto Okazaki (Undergraduate student, University of Tokyo), 2009-2010
- [14] Agchbayar Amarsanaa (Undergraduate student, University of Tokyo), 2009-2010
- [15] Akira Suenami (Undergraduate student, University of Tokyo), 2009-2010
- [16] Yuki Yao (Undergraduate student, University of Tokyo), 2008-2009
- [17] Hideki Kaga (Undergraduate student, University of Tokyo), 2008-2009
- [18] Makoto Kondo (Undergraduate student, University of Tokyo), 2008-2009
- [19] Hayato Fukuda (Undergraduate student, University of Tokyo), 2002-2003

4.4 Teaching Experience

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

5. Personal Information

- Born: 1975
- Nationality: Japan
- Marital Status: Married, one children
- Language: Japanese (Native language), English (2 years lived in Palo Alto, US)