

# CURRICULUM VITAE

DAISUKE KAWAHARA

---

## ADDRESS

Graduate School of Informatics, Kyoto University  
Yoshida-honmachi, Sakyo-ku, Kyoto, 606-8501, Japan  
Phone: +81-75-753-5345  
Fax: +81-75-753-5962  
Email: [dk@i.kyoto-u.ac.jp](mailto:dk@i.kyoto-u.ac.jp)  
Web page: <http://nlp.ist.i.kyoto-u.ac.jp/member/kawahara/index-en.html>

---

## PERSONAL DETAILS

Gender: Male  
Date of birth: 21st of January, 1975  
Place of birth: Osaka, Japan  
Present Citizenship: Japan

---

## EDUCATION

- 4/1993–3/1997 B.E. in Electronic Engineering at Kyoto University, Japan
- 4/1997–3/1999 M.S. in Electronic Science and Engineering at Kyoto University, Japan
- 4/1999–3/2002 Ph.D. in Informatics at Kyoto University, Japan  
Dissertation: *Automatic Construction of Japanese Case Frames for Natural Language Understanding*; Supervisor: Prof. Takashi Matsuyama

---

## PROFESSIONAL EXPERIENCE

- 4/2002–3/2006    Research Associate, Graduate School of Information Science and Technology, University of Tokyo, Japan
- 4/2006–9/2010    Researcher, National Institute of Information and Communications Technology, Japan
- 3/2013–3/2014    Visiting Scholar at University of Colorado Boulder, USA
- 10/2010–present   Associate Professor, Graduate School of Informatics, Kyoto University, Japan
- 

## RESEARCH INTEREST

Natural language processing, in particular parsing, knowledge acquisition and information analysis.

---

## LANGUAGE SKILLS

Japanese: native  
English: fluent (TOEIC 975)

---

## SELECTED PUBLICATIONS

- Gongye Jin, Daisuke Kawahara and Sadao Kurohashi. Improving Chinese Semantic Role Labeling using High-quality Surface and Deep Case Frames. In *Proceedings of the 15th Conference of the European Chapter of the Association for Computational Linguistics (EACL2017)*, 2017 (to appear).
- Mo Shen, Wingmui Li, HyunJeong Choe, Chenhui Chu, Daisuke Kawahara and Sadao Kurohashi. Consistent Word Segmentation, Part-of-Speech Tagging and Dependency Labelling Annotation for Chinese Language. In *Proceedings of the 26th International Conference on Computational Linguistics (COLING2016)*, pp.298–308, 2016.
- Naoki Otani, Toshiaki Nakazawa, Daisuke Kawahara and Sadao Kurohashi. IRT-based Aggregation Model of Crowdsourced Pairwise Comparison for Evaluating Machine Translations. In *Proceedings of the 2016 Conference on Empirical Methods in Natural Language Processing (EMNLP2016)*, pp.511–520, 2016.
- Tomohide Shibata, Daisuke Kawahara and Sadao Kurohashi. Neural Network-Based Model for Japanese Predicate Argument Structure Analysis. In *Proceedings of the 54th Annual Meeting of the Association for Computational Linguistics (ACL2016)*, pp.1235–1244, 2016.

- Hajime Morita, Daisuke Kawahara and Sadao Kurohashi. Morphological Analysis for Unsegmented Languages using Recurrent Neural Network Language Model. In *Proceedings of the 2015 Conference on Empirical Methods in Natural Language Processing (EMNLP2015)*, pp.2292–2297, 2015.
- Patrick Hanks, Elisabetta Jezeq, Daisuke Kawahara and Octavian Popescu. Corpus Patterns for Semantic Processing. In *Proceedings of the 53rd Annual Meeting of the Association for Computational Linguistics and the 7th International Joint Conference on Natural Language Processing (ACL-IJCNLP2015) (Tutorials)*, pp.12–15, 2015.
- Daisuke Kawahara, Yuichiro Machida, Tomohide Shibata, Sadao Kurohashi, Hayato Kobayashi and Manabu Sassano. Rapid Development of a Corpus with Discourse Annotations using Two-stage Crowdsourcing. In *Proceedings of the 25th International Conference on Computational Linguistics (COLING2014)*, pp.269–278, 2014.
- Daisuke Kawahara, Daniel W. Peterson and Martha Palmer. A Step-wise Usage-based Method for Inducing Polysemy-aware Verb Classes. In *Proceedings of the 52nd Annual Meeting of the Association for Computational Linguistics (ACL2014) (Volume 1: Long Papers)*, pp.1030–1040, 2014.
- Daisuke Kawahara, Daniel W. Peterson, Octavian Popescu and Martha Palmer. Inducing Example-based Semantic Frames from a Massive Amount of Verb Uses. In *Proceedings of the 14th Conference of the European Chapter of the Association for Computational Linguistics (EACL2014)*, pp.58–67, 2014.
- Masatsugu Hangyo, Daisuke Kawahara and Sadao Kurohashi. Japanese Zero Reference Resolution Considering Exophora and Author/Reader Mentions. In *Proceedings of the 2013 Conference on Empirical Methods in Natural Language Processing (EMNLP2013)*, pp.924–934, 2013.
- Ryohei Sasano, Daisuke Kawahara, Sadao Kurohashi and Manabu Okumura. Automatic Knowledge Acquisition for Case Alternation between the Passive and Active Voices in Japanese. In *Proceedings of the 2013 Conference on Empirical Methods in Natural Language Processing (EMNLP2013)*, pp.1213–1223, 2013.
- Daisuke Kawahara and Sadao Kurohashi. Generative Modeling of Coordination by Factoring Parallelism and Selectional Preferences. In *Proceedings of the 5th International Joint Conference on Natural Language Processing (IJCNLP2011)*, pp.456–464, 2011.
- Daisuke Kawahara, Kentaro Inui and Sadao Kurohashi. Identifying Contradictory and Contrastive Relations between Statements to Outline Web Information on a Given Topic. In *Proceedings of the 23rd International Conference on Computational Linguistics (COLING2010) Poster Volume*, pp.534–542, 2010.
- Chikara Hashimoto and Daisuke Kawahara. Compilation of an idiom example database for supervised idiom identification. *Language Resources and Evaluation*, Vol.43, No.4, pp.355–384, 2009.

- Susumu Akamine, Daisuke Kawahara, Yoshikiyo Kato, Tetsuji Nakagawa, Kentaro Inui, Sadao Kurohashi and Yutaka Kidawara. WISDOM: A Web Information Credibility Analysis System. In *Proceedings of 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-IJCNLP2009) Software Demonstrations*, pp.1-4, 2009.
- Daisuke Kawahara and Sadao Kurohashi. Capturing Consistency between Intra-clause and Inter-clause Relations in Knowledge-rich Dependency and Case Structure Analysis. In *Proceedings of the 11th International Conference on Parsing Technology (IWPT'09)*, pp.108–116, 2009.
- Chikara Hashimoto and Daisuke Kawahara. Construction of an Idiom Corpus and its Application to Idiom Identification based on WSD incorporating Idiom-Specific Features. In *Proceedings of the 2008 Conference on Empirical Methods in Natural Language Processing (EMNLP2008)*, pp.991–1000, 2008.
- Daisuke Kawahara and Sadao Kurohashi. Coordination Disambiguation without Any Similarities. In *Proceedings of the 22nd International Conference on Computational Linguistics (COLING2008)*, pp.425–432, 2008.
- Daisuke Kawahara and Sadao Kurohashi. Probabilistic Coordination Disambiguation in a Fully-lexicalized Japanese Parser. In *Proceedings of the 2007 Joint Conference on Empirical Methods in Natural Language Processing and Computational Natural Language Learning (EMNLP-CoNLL2007)*, pp.306–314, 2007.
- Daisuke Kawahara and Sadao Kurohashi. A Fully-Lexicalized Probabilistic Model for Japanese Syntactic and Case Structure Analysis. In *Proceedings of the Human Language Technology Conference of the North American Chapter of the Association for Computational Linguistics (HLT-NAACL2006)*, pp.176–183, 2006.
- Daisuke Kawahara and Sadao Kurohashi. PP-Attachment Disambiguation Boosted by a Gigantic Volume of Unambiguous Examples. In *Proceedings of the 2nd International Joint Conference on Natural Language Processing (IJCNLP-05)*, pp.188–198, 2005.
- Daisuke Kawahara and Sadao Kurohashi. Improving Japanese zero pronoun resolution by global word sense disambiguation. In *Proceedings of the 20th International Conference on Computational Linguistics (COLING2004)*, pp.343–349, 2004.
- Daisuke Kawahara and Sadao Kurohashi. Fertilization of case frame dictionary for robust Japanese case analysis. In *Proceedings of the 19th International Conference on Computational Linguistics (COLING2002)*, pp.425–431, 2002.
- Nobuhiro Kaji, Daisuke Kawahara, Sadao Kurohashi and Satoshi Sato. Verb Paraphrase based on Case Frame Alignment. In *Proceedings of the 40th Annual Meeting of the Association for Computational Linguistics (ACL2002)*, pp.215–222, 2002.

- Daisuke Kawahara and Sadao Kurohashi. Japanese case frame construction by coupling the verb and its closest case component. In *Proceedings of the Human Language Technology Conference (HLT2001)*, pp.204–210, 2001.

March 29, 2017