

Hiroya TAKAMURA

CONTACT INFORMATION

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RESEARCH INTERESTS

application of machine learning to computational linguistics, text categorization, clustering for natural language processing, sentiment analysis of text

EDUCATION

2000–2003, **Nara Institute of Science and Technology**, JAPAN

Department of Information Processing

Doctor of Engineering, March, 2003

Thesis title: Clustering Approaches to Text Categorization

Supervisor: Yuji Matsumoto

1999, **Technical University of Vienna**, AUSTRIA

Department of Informatics

Research Student

Major Contribution: Development of Example Sentence Collection System

Supervisor: Wolfgang Slany

1997–2000, **University of Tokyo**, JAPAN

Department of Mathematical Engineering

Master of Engineering, March, 2000

Thesis title: Quantification of Syntactic Information and its Application to Language Comparison

Supervisor: Kokichi Sugihara

1993–1997, **University of Tokyo**, JAPAN

Department of Mathematical Engineering

Bachelor of Engineering, March, 1997

Thesis title: The Optimal Search using Two Types of Resources

Supervisor: Tomomi Matsui

EMPLOYMENT

April 2003–, **Tokyo Institute of Technology**, JAPAN

Assistant Professor

November 2002–March 2003, **Nara Institute of Science and Technology**, JAPAN

COE Researcher (government fund)

October 2000–October 2002, **Nara Institute of Science and Technology**, JAPAN

Research/Teaching Assistant

SELECTED PUBLICATIONS

Hiroya Takamura, Takashi Inui and Manabu Okumura, "Extracting Semantic Orientations of Phrases from Dictionary", In Proceedings of the Human Language Technologies: The Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL-HLT2007).

Hiroya Takamura, Takashi Inui, Manabu Okumura, "Latent Variable Models for Semantic Orientations of Phrases", In Proceedings of the 11th Conference of the European Chapter of the Association for Computational Linguistics (EACL2006) , pages 201–208, 2006.

Hiroya Takamura, Takashi Inui, Manabu Okumura, "Extracting Semantic Orientations of Words using Spin Model", In Proceedings of the 43rd Annual Meeting of the Association for Computational Linguistics (ACL2005) , pages 133–140, 2005.

Hiroya Takamura, Yuji Matsumoto, Hiroyasu Yamada, "Modeling a Category Structure with a Kernel Function", in Proceedings of Computational Natural Language Learning (CoNLL), 2004.

Hiroya Takamura, Manabu Okumura, "A Comparative Study on the Use of Labeled and Unlabeled Data for Large Margin Classifiers", in Proceedings of the 1st International Joint Conference on Natural Language Processing (IJCNLP2004), 2004.

Hiroya Takamura and Yuji Matsumoto, "Two-dimensional Clustering for Text Categorization", in Proceedings of Sixth Conference on Natural Language Learning (CoNLL-2002), Taipei, Taiwan, pages 29–35, August-September 2002.

Hiroya Takamura, Hiroyasu Yamada, Taku Kudo, Kaoru Yamamoto and Yuji Matsumoto, "Ensembling based on Feature Space Restructuring with Application to WSD", in Proceedings of the Sixth Natural Language Processing Pacific Rim Symposium (NLPRS2001), Tokyo, pages 41–48, November 2001.

Hiroya Takamura and Yuji Matsumoto, "Feature Space Restructuring for SVMs with Application to Text Categorization", in Proceedings of 2001 Conference on Empirical Methods in Natural Language Processing (EMNLP), pages 51–57, Pittsburgh, June 2001.

LANGUAGE SKILLS

- Japanese: native speaker
- English: excellent (TOEIC score, 960)
- German: good (Diplom Deutsch in Japan, Oberstufenprüfung)
- Chinese: beginner