

## Hiroya TAKAMURA

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### CONTACT INFORMATION

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### RESEARCH INTERESTS

application of machine learning to computational linguistics, sentiment analysis of text, text summarization

### 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

May 2010–, **Tokyo Institute of Technology**, JAPAN  
*Associate Professor*

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

November 2002–March 2003, **Nara Institute of Science and Technology**, JAPAN  
*COE Researcher* (government fund)

August 2001–November 2001, **Microsoft Research Asia**, China  
*Visiting Student (intern)*

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

*Research/Teaching Assistant*

SELECTED  
PUBLICATIONS

Hajime Morita, Ryohei Sasano, Hiroya Takamura and Manabu Okumura, "Subtree Extractive Summarization via Submodular Maximization", In *Proceedings of the 51st Annual Meeting of the Association for Computational Linguistics (ACL2013)*, pages 1023–1032, August 2013.

Hiroya Takamura and Manabu Okumura, "Summarizing a document stream", In *Proceedings of the 33rd European Conference on Information Retrieval (ECIR 2011)*, pages 177–188, April 2011.

Zhikov Valentin, Hiroya Takamura and Manabu Okumura, "An Efficient Algorithm for Unsupervised Word Segmentation with Branching Entropy and MDL", In *Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP 2010)*, pp. 832–842, October 2010.

Hiroya Takamura and Manabu Okumura, "Text Summarization Model based on the Budgeted Median Problem", In *Proceedings of the 18th ACM Conference on Information and Knowledge Management (CIKM 2009)*, short paper, pages 1589–1592, November 2009.

Hiroya Takamura, Manabu Okumura, "Text Summarization Model based on Maximum Coverage Problem and its Variant", In *Proceedings of the 14th Conference of the European Chapter of the Association for Computational Linguistics (EACL2009)*, pages 781–789, March 2009.

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.

LANGUAGE SKILLS

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