

NAOKI YOSHINAGA

+81-3-5452-6239 ◇ ynaga@iis.u-tokyo.ac.jp ◇ www.tkl.iis.u-tokyo.ac.jp/~ynaga/

Education

University of Tokyo Ph.D. in Information Science and Technology (Advisor: Prof. Jun'ichi Tsujii)	2002 – 2005
University of Tokyo M.Sc. in Information Science	2000 – 2002
University of Tokyo B.Sc. in Information Science	1996 – 2000

Research Experience (since 2005)

University of Tokyo Associate Professor	Apr. 2016 – present
Principal Investigator of Natural Language Processing (NLP) and Computational Linguistics (CL) Group.	
National Institute of Information and Communications Technology Senior Researcher	Apr. 2014 – Mar. 2016
⇨ Dr. Yutaka Kidawara	
Worked on Adaptive Natural Language Processing for Social Big Data.	
University of Tokyo Project Associate Professor	Jul. 2012 – Mar. 2016
⇨ Prof. Masaru Kitsuregawa	
Institute of Industrial Science	
Worked on Efficient and Adaptive Natural Language Processing for Social Big Data.	
University of Tokyo Project Research Associate	Apr. 2008 – Jun. 2012
⇨ Prof. Masaru Kitsuregawa	
Institute of Industrial Science	
Worked on Efficient Natural Language Processing for Social Big Data.	
Japan Advanced Institute of Science and Technology (JAIST) JSPS Research Fellow	Apr. 2005 – Mar. 2008
⇨ Prof. Kentaro Torisawa	
School of Information Science	
Worked on Knowledge Acquisition from the Web.	

Selected publications (since 2021)

- K. Tamura, N. Yoshinaga, and M. Meishi. Making Distilled Language Models Even Smaller: Lightweight Reconstruction of Rare Token Embeddings. In *CoNLL*, 2024. (accepted).
- X. Zhao, N. Yoshinaga, and D. Oba. What Matters in Memorizing and Recalling Facts? Multifaceted Benchmarks for Knowledge Probing in Language Models. In *EMNLP (Findings)*, 2024a. (accepted).
- X. Zhao, N. Yoshinaga, and D. Oba. Tracing the Roots of Facts in Multilingual Language Models: Independent, Shared, and Transferred Knowledge. In *EACL*, 2024b.
- N. Yoshinaga. Back to Patterns: Efficient Japanese Morphological Analysis with Feature-Sequence Trie. In *ACL*, 2023.
- S. Akasaki, N. Yoshinaga, and M. Toyoda. Early Discovery of Disappearing Entities in Microblogs. In *ACL*, 2023.
- K. Shinzato, N. Yoshinaga, Y. Xia, and W.-T. Chen. A Unified Generative Approach to Product Attribute-Value Identification. In *ACL (Findings)*, 2023.
- K. Nishida, N. Yoshinaga, and K. Nishida. Self-Adaptive Named Entity Recognition by Retrieving Unstructured Knowledge. In *EACL*, 2023.
- D. Oba, I. Yamada, N. Yoshinaga, and M. Toyoda. Entity Embedding Completion for Wide-Coverage Entity Disambiguation. In *EMNLP (Findings)*, 2022.
- K. Shinzato, N. Yoshinaga, Y. Xia, and W.-T. Chen. Simple and Effective Knowledge-Driven Query Expansion for QA-Based Product Attribute Extraction. In *ACL*, 2022.
- S. Akasaki, N. Yoshinaga, and M. Toyoda. Fine-grained Typing of Emerging Entities in Microblogs. In *EMNLP (Findings)*, 2021.
- A. Sugiyama and N. Yoshinaga. Context-aware Decoder for Neural Machine Translation using a Target-side Document-Level Language Model. In *NAACL-HLT*, 2021.

Technical Projects

- University of Tokyo (Apr. 2008 – present)
Working on natural language processing in the wild; fast, adaptive natural language processing.
- NICT (Apr. 2014 – Mar. 2016)
Worked on self-adaptive classifier for Twitter.
- JAIST (Apr. 2005 – Mar. 2008)
Worked on extracting hyponymy relations and attribute-value knowledge from the Web layouts.

Awards

- Special Committee Awards 2023
The 29th Annual Meeting for The Association for Natural Language Processing
- Best Interactive Award 2019
The eighth Forum on Data Engineering and Information Management
- JSAI 30th Anniversary Best Paper Award 2016
Transactions of the Japanese Society for Artificial Intelligence
- Best Poster Award 2016
The 17th International Conference on Intelligent Text Processing and Computational Linguistics
- JSAI Incentive Award 2013
Japanese Society for Artificial Intelligence
- Best Paper Award 2010
The 72nd National Convention of IPSJ
- Best Paper Award 2009
Journal of Natural Language Processing