

Noriki Nishida, Ph.D.

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🌐 <https://norikinishida.github.io>

🐙 <https://www.github.com/norikinishida>

Research Areas

My research is aimed at automatically extracting useful knowledge from large numbers of documents, organizing them, and supporting knowledge retrieval and discovery. In particular, I focuses on knowledge acquisition from biomedical articles and discourse analysis for that objective.

Employment History

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|-----------------------|---|
| Apr. 2022 – Present | 📌 Part-Time Lecturer. University of Tsukuba. |
| Jul. 2020 – Jun. 2021 | 📌 Visiting Researcher. The University of Tokyo. |
| Apr. 2020 – Present | 📌 Postdoctoral Researcher. RIKEN AIP. |
| Apr. 2018 – Mar. 2020 | 📌 Young Research Fellow (DC2). The Japan Society for the Promotion of Science. |
| Apr. 2016 – Mar. 2020 | 📌 External Collaborator. The PLU Group in AIRC. |
| Nov. 2014 – Aug. 2015 | 📌 Part-Time Software Engineer. Logarhythm Inc. |

Education

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| Mar. 2020 | 📌 Ph.D. of Information Science and Technology.
Department of Creative Informatics, Graduate School of Information Science and Technology, The University of Tokyo.
Thesis title: <i>Unsupervised Induction of Natural Language Discourse Structure Based on Rhetorical Structure Theory.</i>
Advisor: Hideki Nakayama. |
| Mar. 2017 | 📌 Master's Degree in Information Science and Technology.
Department of Creative Informatics, Graduate School of Information Science and Technology, The University of Tokyo.
Thesis title: <i>Unsupervised Learning of Syntactically Plausible Word Representations by Solving Word Ordering.</i>
Advisor: Hideki Nakayama. |
| Mar. 2015 | 📌 Bachelor's Degree in Engineering.
Department of Information and Communication Engineering, Faculty of Engineering, The University of Tokyo.
Thesis title: <i>Hand Gesture Recognition Using Recurrent Convolutional Neural Networks.</i>
Advisor: Hitoshi Iba and Yoshihiko Hasegawa. |

Teaching History

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|-----------------------|---|
| Oct. 2022 – Present | 📌 Data Science. University of Tsukuba. |
| Apr. 2022 – Present | 📌 Information Literacy. University of Tsukuba. |
| Oct. 2017 – Mar. 2018 | 📌 Data Science. Teaching Assistant, The University of Tokyo. |

Teaching History (continued)

Oct. 2014 – Mar. 2015

■ **Basic Programming Exercise.** Teaching Assistant, The University of Tokyo.

Research Publications




Journal Articles

- 1 Nishida, N., & Matsumoto, Y. (2022). Out-of-domain discourse dependency parsing via bootstrapping: An empirical analysis on its effectiveness and limitation. *Transactions of the Association for Computational Linguistics*, 10, 127–144. Presented at ACL 2022.
[doi:10.1162/tac1_a_00451](https://doi.org/10.1162/tac1_a_00451)
- 2 Nishida, N., & Nakayama, H. (2020). Unsupervised discourse constituency parsing using Viterbi EM. *Transactions of the Association for Computational Linguistics*, 8, 215–230. Presented at ACL 2020. [doi:10.1162/tac1_a_00312](https://doi.org/10.1162/tac1_a_00312)
- 3 Nakayama, H., & Nishida, N. (2017). Zero-resource machine translation by multimodal encoder-decoder network with multimedia pivot. *Machine Translation*, 31(1), 49–64.
[doi:10.1007/s10590-017-9197-z](https://doi.org/10.1007/s10590-017-9197-z)





Conference Proceedings (refereed)

- 1 Kamezawa, H., Nishida, N., Shimizu, N., Miyazaki, T., & Nakayama, H. (2022). RNSum: A large-scale dataset for automatic release note generation via commit logs summarization. In *Proceedings of the 60th annual meeting of the association for computational linguistics (ACL 2022)*. [doi:10.18653/v1/2022.acl-long.597](https://doi.org/10.18653/v1/2022.acl-long.597)
- 2 Takeuchi, J., Nishida, N., & Nakayama, H. (2022). Neural networks in a product of hyperbolic spaces. In *Proceedings of the 2022 conference of the north american chapter of the association for computational linguistics: Student research workshop (NAACL-SRW 2022)*.
- 3 Kamezawa, H., Nishida, N., Shimizu, N., Miyazaki, T., & Nakayama, H. (2020). A visually-grounded first-person dialogue dataset with verbal and non-verbal responses. In *Proceedings of the 2020 conference on empirical methods in natural language processing (EMNLP 2020)*. [doi:10.18653/v1/2020.emnlp-main.267](https://doi.org/10.18653/v1/2020.emnlp-main.267)
- 4 Nishida, N., & Nakayama, H. (2018). Coherence modeling improves implicit discourse relation recognition. In *Proceedings of the 19th annual meeting of the special interest group on discourse and dialogue (SIGDIAL 2018)*. [doi:10.18653/v1/W18-5040](https://doi.org/10.18653/v1/W18-5040)
- 5 Nishida, N., & Nakayama, H. (2017). Word ordering as unsupervised learning towards syntactically plausible word representations. In *Proceedings of the 8th international joint conference on natural language processing (IJCNLP 2017)*. Retrieved from <https://www.aclweb.org/anthology/I17-1008>
- 6 Laorulrat, N., Phan, S., Nishida, R., Noriki Shu, Ehara, Y., Okazaki, N., Miyao, Y., ... Nakayama, H. (2016). Generating video description using sequence-to-sequence model with temporal attention. In *Proceedings of the 26th international conference on computational linguistics (COLING 2016)*. Retrieved from <https://www.aclweb.org/anthology/C16-1005>
- 7 Nishida, N., & Nakayama, H. (2015). Multimodal gesture recognition using multi-stream recurrent neural network. In *Proceedings of the 7th pacific-rim symposium on image and video technology (PSIVT 2015)*. [doi:10.1007/978-3-319-29451-3_54](https://doi.org/10.1007/978-3-319-29451-3_54)





Awards

- Dec. 2020  **Outstanding Reviewer.** The 2020 Conference on Empirical Methods in Natural Language Processing (EMNLP 2022).
- Mar. 2020  **Young Researcher Encouragement Award.** The Annual Meeting of the Association for Natural Language Processing.
- Jul. 2017  **Annual Conference Award.** The Japan Society of Artificial Intelligence (JSAI).





Talks

- May. 2022  **Machine Learning for Knowledge Acquisition from Scholarly Articles.** The 2022 Annual Meeting of the Biometric Society of Japan.
- Nov. 2018  **Towards Unsupervised Discourse Parsing.** The Perception and Language Understanding (PLU) Group in Artificial Intelligence Research Center (AIRC), Japan.
- Mar. 2016  **Deep Learning in Computer Vision.** Kansai Chapter of the Acoustic Society of Japan.
- Sep. 2015  **Deep Learning in Video Recognition.** Prometech Simulation Conference, Japan.



Research Grants

- Jul. 2022 – Mar. 2023  **JST AIP Challenge Program.**
- May. 2022 – Mar. 2025  **JSPS KAKENHI Grant-in-Aid for Transformative Research Areas (B)** (Co-Investigator).
- Apr. 2021 – Mar. 2024  **JSPS KAKENHI Grant-in-Aid for Early-Career Scientists.**
- Apr. 2018 – Mar. 2020  **JSPS KAKENHI Research Fellowship for Young Scientists (DC2).**

Academic Activities

- Program Committee  EMNLP 2023 Publicity Chairs; SCIDOCA 2021,2022,2023
- Journal Editor  Journal of Natural Language Processing (Apr. 2023 – Present)
- Journal Reviewer  Language Resources and Evaluation; ACM Transactions of Asian and Low-Resource Language Information Processing; Journal of Natural Language Processing
- Conference Reviewer  ACL Rolling Review; ACL; NAACL; EACL; EMNLP; COLING; AAAI; IJCAI.

Skills

- Languages  Strong reading, writing and speaking competencies for English and Japanese.
- Programming  Python, Java, C++, SQL, Linux, L^AT_EX, etc.