

Noriki Nishida, Ph.D.

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🌐 <https://norikinishida.github.io>

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

Research Areas

I have been working on natural language processing, especially knowledge acquisition and information extraction, and their medical and healthcare applications. I am interested in automatically extracting and systematizing specialized knowledge from large collections of documents.

Employment History

Dec. 2023 – Present	📌 Researcher. RIKEN AIP.
Apr. 2022 – Present	📌 Part-Time Lecturer. University of Tsukuba.
Jul. 2020 – Jun. 2021	📌 Visiting Researcher. The University of Tokyo.
Apr. 2020 – Nov. 2023	📌 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

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

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 Shibahara, T., Yamada, I., **Nishida, N.**, Teranishi, H., Kozaki, K., & Matsumoto, Y. (2024). Weakly Supervised NER using Thesaurus Hierarchical Structure. *Journal of Natural Language Processing*, 31(3), 984–1014.
- 2 **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
- 3 **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
- 4 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

Conference Proceedings (refereed)






- 1 Munne, R. F., **Nishida, N.**, Liu, S., Tokunaga, N., Yamagata, Y., Kozaki, K., & Matsumoto, Y. (2025). Zero-shot entailment learning for ontology-based biomedical annotation without explicit mentions. In *Proceedings of the 31st international conference on computational linguistics* (pp. 8148–8159). Retrieved from
 <https://aclanthology.org/2025.coling-main.542/>
- 2 Chen, Y.-P., **Nishida, N.**, Nakayama, H., & Matsumoto, Y. (2024). Recent trends in personalized dialogue generation: A review of datasets, methodologies, and evaluations. In *Proceedings of the 2024 joint international conference on computational linguistics, language resources and evaluation (lrec-coling 2024)* (pp. 13650–13665). Retrieved from
 <https://aclanthology.org/2024.lrec-main.1192/>
- 3 El Khettari, O., **Nishida, N.**, Liu, S., Munne, R. F., Yamagata, Y., Quiniou, S., ... Matsumoto, Y. (2024). Mention-agnostic information extraction for ontological annotation of biomedical articles. In *Proceedings of the 23rd workshop on biomedical natural language processing* (pp. 457–473). doi:10.18653/v1/2024.bionlp-1.37
- 4 Wakamiya, S., Pereira, L. K., Reithel, L., Yeh, H., Han, P., Shimizu, S., ... Aramaki, E. (2023). NTCIR-17 MedNLP-SC Social Media Adverse Drug Event Detection: Subtask Overview. In *Proceedings of the 17th ntcir conference on evaluation of information access technologies (ntcir-17)*. Retrieved from <https://research.nii.ac.jp/ntcir/workshop/OnlineProceedings17/pdf/ntcir/01-NTCIR17-OV-MEDNLP-WakamiyaS.pdf>
- 5 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 S. Muresan, P. Nakov, & A. Villavicencio (Eds.), *Proceedings of the 60th annual meeting of the association for computational linguistics (volume 1: Long papers)* (pp. 8718–8735).
 doi:10.18653/v1/2022.acl-long.597

- 6 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: Human language technologies: Student research workshop* (pp. 211–221). [doi:10.18653/v1/2022.naacl-srw.27](https://doi.org/10.18653/v1/2022.naacl-srw.27)
- 7 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)* (pp. 3299–3310). [doi:10.18653/v1/2020.emnlp-main.267](https://doi.org/10.18653/v1/2020.emnlp-main.267)
- 8 **Nishida, N.**, & Nakayama, H. (2018). Coherence modeling improves implicit discourse relation recognition. In *Proceedings of the 19th annual SIGdial meeting on discourse and dialogue* (pp. 344–349). [doi:10.18653/v1/W18-5040](https://doi.org/10.18653/v1/W18-5040)
- 9 **Nishida, N.**, & Nakayama, H. (2017). Word ordering as unsupervised learning towards syntactically plausible word representations. In *Proceedings of the eighth international joint conference on natural language processing (volume 1: Long papers)* (pp. 70–79). Retrieved from <https://aclanthology.org/I17-1008/>
- 10 Laokulrat, N., Phan, S., **Nishida, N.**, Shu, R., Ehara, Y., Okazaki, N., ... Nakayama, H. (2016). Generating video description using sequence-to-sequence model with temporal attention. In *Proceedings of COLING 2016, the 26th international conference on computational linguistics: Technical papers* (pp. 44–52). Retrieved from <https://aclanthology.org/C16-1005/>
- 11 **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

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| 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

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| June. 2023 |  Standard Supervision vs. In-Context Learning in NLP. GPT4 Journal Club Series (RIKEN AIP mini workshop). |
| 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; AACL; IJCAI.

Skills

Languages	■ Strong reading, writing and speaking competencies for English and Japanese.
Programming	■ Python, Java, C++, SQL, Linux, L ^A T _E X, etc.