

CONTACT INFORMATION

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Google scholar: <https://scholar.google.com/citations?user=uoL1Wr0AAAAJ>

Pronouns: she/her

EMPLOYMENT HISTORY

Associate Professor

June 2014 - Present

Graduate School of Information Science and Technology, Osaka University

Associate Researcher

Apr. 2010 - June 2014

Microsoft Research Asia

EDUCATION

Ph.D., Information Science

Mar. 2010

Graduate School of Information Science and Technology, Osaka University
Dissertation: Research on comfortable Web browsing using mobile phones

M.S., Information Science

Mar. 2007

Graduate School of Information Science and Technology, Osaka University

B.S., Engineering

Mar. 2006

School of Engineering, Osaka University

SELECTED RECENT PUBLICATIONS

I mostly publish in the field of natural language processing, which is highly conference-driven. Top conferences in this field (e.g., ACL, EMNLP, and NAACL) are generally more competitive than most journals, having roughly a 25% acceptance rate per year. The full list of publications is available at: <https://yukiar.github.io/publication.html>

- H. Huang, T. Kajiwara, and Y. Arase. Definition Modelling for Appropriate Specificity, in Proc. of Conference on Empirical Methods in Natural Language Processing (EMNLP2021), pp. 2499–2509 (Nov. 2021).
- N. Tiyajamorn, T. Kajiwara, Y. Arase, and M. Onizuka. Language-agnostic Representation from Multilingual Sentence Encoders for Cross-lingual Similarity Estimation, in Proc. of Conference on Empirical Methods in Natural Language Processing (EMNLP2021), pp. 7764–7774 (Nov. 2021).
- Y. Arase and T. Kajiwara. Distilling Word Meaning in Context from Pre-trained Language Model, in Findings of the Association for Computational Linguistics: EMNLP 2021, pp. 534–546 (Nov. 2021).
- J. Takayama, T. Kajiwara, and Y. Arase. DIRECT: Direct and Indirect Responses in Conversational Text Corpus, in Findings of the Association for Computational Linguistics: EMNLP 2021, pp. 1980–1989 (Nov. 2021).
- S. Ohashi, J. Takayama, T. Kajiwara, and Y. Arase. Distinct Label Representations for Few-Shot Text Classification, in Proc. of the Annual Meeting of the Association for Computational Linguistics and International Joint Conference on Natural Language Processing (ACL-IJCNLP2021), pp. 831-836 (Aug. 2021).
- Y. Arase and J. Tsujii: Transfer Fine-Tuning of BERT with Phrasal Paraphrases, in Computer Speech & Language, Vol. 66 (Mar. 2021).
- Y. Arase and J. Tsujii: Compositional Phrase Alignment and Beyond, in Proc. of Conference on Empirical Methods in Natural Language Processing (EMNLP2020), pp. 1611–1623 (Nov. 2020).
- J. Takayama and Y. Arase: Consistent Response Generation with Controlled Specificity. in Proc. of Findings of the Association for Computational Linguistics: EMNLP 2020, pp. 4418–4427 (Nov. 2020).
- S. Ohashi, J. Takayama, T. Kajiwara, C. Chu, Y. Arase. Text Classification with Negative Supervision, in Proc. of Annual Meeting of the Association for Computational Linguistics (ACL 2020), pp. 351–357 (July 2020).
- T. Kajiwara, B. Miura, and Y. Arase. Monolingual Transfer Learning via Bilingual Translators for Style-Sensitive Paraphrase Generation, in Proc. of the AAAI Conference on Artificial Intelligence (AAAI 2020), pp. 8042-8049, (Feb. 2020).
- Y. Arase and J. Tsujii: Transfer Fine-Tuning: A BERT Case Study, Proc. of Conference on Empirical Methods in Natural Language Processing (EMNLP2019), pp. 5396–5407 (Nov. 2019).

INTERNATIONAL PATENTS

- Y. Arase, Y. Zhu, and X. Xie. Identifying Status based on Heterogeneous Sensors, U.S. Patent 8718672, 10-18-2012.
- Y. Arase and X. Xie. Construction of Photo Trip Patterns based on Geographical Information, U.S. Patent 8626699, 3-17-2011.

EXTERNAL SERVICES

Publication Chair: ACL-IJCNLP 2021

Area Chair: ACL2020-2021, EMNLP2021, ACL Rolling Review 2022-