

Kento WATANABE

RESEARCHER

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Research Interests

Natural Language Processing / Computational Linguistics / Automatic Lyrics Generation / Intelligence Interface.

Position

National Institute of Advanced Industrial Science and Technology (AIST)

RESEARCHER

- Media Interaction Group, Information Technology Research Institute

Tsukuba, Japan

April. 2018 - PRESENT

Education

Department of System Information Sciences, Tohoku University

PH.D. IN COMPUTER SCIENCE

- Supervisor: Kentaro Inui
- Thesis: "Modeling Discourse Structure of Lyrics"
- Got a research fellowship Japan Society for the Promotion of Science (JSPS)

Sendai, Japan

April. 2016 - March. 2018

Department of System Information Sciences, Tohoku University

M.S. IN COMPUTER SCIENCE

- Supervisor: Kentaro Inui
- Thesis: "Study on automatic lyrics generation considering lyric structure and phonology (in Japanese)"

Sendai, Japan

April. 2013 - March. 2016

Tohoku University

B.E. IN COMPUTER SCIENCE

- Supervisor: Kentaro Inui
- Thesis: "Analysis of diffusion convergence process of misinformation by automatic classification of tweets (in Japanese)"

Sendai, Japan

April. 2012 - March. 2013

Publications

JOURNAL PAPERS

1. [Kento Watanabe](#), Yuichiroh Matsubayashi, Kentaro Inui, Satoru Fukayama, Tomoyasu Nakano, and Masataka Goto. "Modeling Storylines in Lyrics". IEICE Transactions on Information and Systems, Vol.E101.D, No.4, pp1167–1179, April 2018.
2. Keita Nabeshima, [Kento Watanabe](#), Junta Mizuno, Naoaki Okazaki, and Kentaro Inui. "Extracting False Information on Twitter and Analyzing its Diffusion Processes by using Linguistic Patterns for Correction (in Japanese)". Journal of Natural Language Processing, Vol.13, No.2, pp.461–484, June 2013.

CONFERENCE PAPERS

1. Reina Akama, [Kento Watanabe](#), Sho Yokoi, Sosuke Kobayashi, Kentaro Inui. "Unsupervised Learning of Style-sensitive Word Vectors". In Proceedings of the 56th Annual Meeting of the Association for Computational Linguistics (ACL 2018), Melbourne, July 2018.
2. [Kento Watanabe](#), Yuichiroh Matsubayashi, Satoru Fukayama, Masataka Goto, Kentaro Inui and Tomoyasu Nakano. "A Melody-conditioned Lyrics Language Model". In Proceedings of the 16th Annual Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL-HLT 2018), pp.163–172, June 2018.
3. [Kento Watanabe](#), Yuichiroh Matsubayashi, Kentaro Inui, Tomoyasu Nakano, Satoru Fukayama and Masataka Goto. "LyriSys: An Interactive Support System for Writing Lyrics Based on Topic Transition". In Proceedings

of the 22nd Annual Meeting of the Intelligent User Interfaces Community (ACM IUI 2017), pp.559—563, March 2017.

4. Kento Watanabe, Yuichiroh Matsubayashi, Naho Orita, Naoaki Okazaki, Kentaro Inui, Satoru Fukayama, Tomoyasu Nakano, Jordan B. L. Smith and Masataka Goto. “Modeling Discourse Segments in Lyrics Using Repeated Patterns”. In Proceedings of the 26th International Conference on Computational Linguistics (COLING 2016), PP.1959—1969, December 2016.
5. Kento Watanabe, Yuichiroh Matsubayashi, Kentaro Inui and Masataka Goto. “Modeling Structural Topic Transitions for Automatic Lyrics Generation”. In Proceedings of the 28th Pacific Asia Conference on Language, Information and Computing (PACLIC 2014), pp.422—431, December 2014.
6. Naoaki Okazaki, Keita Nabeshima, Kento Watanabe, Junta Mizuno and Kentaro Inui. “Extracting and Aggregating False Information from Microblogs”. In Proceedings of the Workshop on Language Processing and Crisis Information 2013 (LPCI 2013), pp.36–43, October 2013.

Awards

- Tohoku University Student Incentive Award (2018)
- The 231th IPSJ SIG (Special Interest Groups) on Natural Language Processing Student Incentive Award (2017)
- The Association for Natural Language Processing Best Paper Award (2013)
- The 75th Annual Meeting of the IPSJ Conference Student Incentive Award (2013)