
Kento Nozawa

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<https://nzw0301.github.io>

Last Updated: November 20, 2018

EDUCATION	<i>Ph.D. Student</i>	Apr. 2018–Present
	Department of Complexity Science and Engineering, Graduate School of Frontier Sciences, The University of Tokyo, Japan. Advisor: Issei Sato	
	<i>M.S. in Informatics</i>	Apr. 2016– Mar. 2018
	Department of Library, Information and Media Studies, Graduate school of Library, Information and Media Studies, University of Tsukuba, Japan. Advisers: Kei Wakabayashi and Taro Tezuka GPA: 4.07/4.30	
	<i>B.A. in Library and Information Science</i>	Apr. 2012–Mar. 2016
	College of Knowledge and Library Sciences, School of Informatics, University of Tsukuba, Japan. Adviser: Kei Wakabayashi	
EMPLOYMENT	<i>Research Assistant</i>	May 2018 – Present
	RIKEN AIP, Japan.	
	<i>Research Assistant</i>	Oct. 2017 – Mar. 2018
	AI Research Center, AIST, Japan. Task: Analysing node embedding algorithms based on node centralities.	
	<i>Engineer Intern</i>	Aug. 2017–Sept. 2017
	Treasure Data Inc. , Japan Task: Adding new ML features, such as word2vec and SLIM , to Hivemall that is a scalable and distributed ML library that runs on Apache Hive, Spark, and Pig. Note: Final report slide	
	<i>Research Assistant</i>	Apr. 2016 – July 2017
	AI Research Center, AIST, Japan. Task: Applying deep learning to human’s EEG data for classification tasks.	
	<i>Technical Staff</i>	Dec. 2015 – Mar. 2016
	AI Research Center, AIST, Japan. Task: Applying deep learning to human’s EEG data for a classification task.	
	JOURNAL ARTICLES	
PUBLICATIONS	1. Kento Nozawa and Kei Wakabayashi. Overlapping Community Detection in Large-scale Networks using Topic Models. <i>IPSJ Transaction on Database</i> , Vol.9, no.2, pp.1–10, 2016. (in Japanese).	

INTERNATIONAL CONFERENCES (REFEREED)

2. Atsunori Kanemura, Yuhsen Cheng, Takumi Kaneko, [Kento Nozawa](#), and Shuichi Fukunaga. **Imputing Missing Values in EEG with Multivariate Autoregressive Models**, In *EMBC*, 2018.

INTERNATIONAL WORKSHOPS (REFEREED)

3. [Kento Nozawa](#) and Kei Wakabayashi. **Scalable Algorithm for Probabilistic Overlapping Community Detection**. In *WSDM 1st Workshop on Scholarly Web Mining*, pp. 9–16, 2017. (Acceptance Rate 47%), [ACM page](#).
4. [Kento Nozawa](#), Masanari Kimura, and Atsunori Kanemura. **Analyzing Centralities of Embedded Nodes**. In *ICDM Workshop on Large Scale Graph Representation Learning and Applications*, 2018. (Acceptance Rate 60%).
5. [Kento Nozawa](#) and Issei Sato. **PAC-Bayes Analysis of Transferred Sentence Vectors**. In *NeurIPS Workshop on Bayesian Deep Learning*, 2018.

DOMESTIC CONFERENCES (REFEREED)

6. [Kento Nozawa](#) and Kei Wakabayashi. **Overlapping Community Detection in Large-scale Networks using Topic Models**. In *Web DB Forum*, 2015. (in Japanese), Excellent Paper Award, IPSJ Computer Science Research Award for Young Scientists.

DOMESTIC CONFERENCES & WORKSHOPS (NOT REFEREED)

7. [Kento Nozawa](#) and Kei Wakabayashi. **Learning Topic Models with Pseudo-Document based on Random Walk**. In *IBIS*, 2016. (in Japanese).
8. [Kento Nozawa](#) and Kei Wakabayashi. **Learning Method of Word Embeddings using Topic Models**. In *NLP*, 2015. (in Japanese).
9. [Kento Nozawa](#), Yoshiaki Nakaoka, Shuhei Yamamoto, and Tetsuji Satoh. **Finding Method of Replaceable Ingredients using Large Mounts of Cooking Recipes**. In *Data Engineering and Food Media, Technical Committee on Data Engineering*, 2014. (in Japanese).

FELLOWSHIPS	Research Fellowship for Young Scientists (DC1) Japan Society for the Promotion of Science. 200 000 JPY / month	Apr. 2018 – Mar. 2021
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RESEARCH GRANTS	Grant-in-Aid for JSPS Fellows 2 800 000 JPY / three years.	Apr. 2018 – Mar. 2021
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AWARDS	1. Repayment Exemption for Students with Excellent Grades, Japan Student Services Organization (JASSO) Type I (interest-free) scholarship (Exemption of half of loan), 1 056 000 JPY	2018
	2. Graduate School of Library, Information and Media Studies Provost's Award (top 6/58)	2018
	3. The Mangaki Data Challenge (2nd/32)	2017
	4. IPSJ Computer Science Research Award for Young Scientists	2016
	5. School of Informatics Provost's Award (top 6/112)	2016
	6. Representative of College of Knowledge and Library Science (1st/112)	2016
	7. WebDB Forum 2015 Excellent Paper Award (top 2/27)	2015

SKILLS

Programming Languages: Python (most fluent), Julia, Java

OS: MacOS, Ubuntu

Machine Learning Libraries: Keras, Scikit-learn, Gensim, PyTorch, Apache Hive (Hivemall).

LINKS

1. [Sugiyama-Sato-Honda Lab](#)
2. [GitHub: nzw0301](#)
3. Skype: `live:k.nzw`
4. [Google Scholar](#)