

TAKAHASHI Takashi(高橋 昂)

Assistant professor
The University of Tokyo
Institute for Physics of Intelligence

PERSONAL DETAILS

Birth	February 16, 1990
Address	7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033, Japan
Mail	takashi-takahashi@g.ecc.u-tokyo.ac.jp
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EDUCATION

Ph.D. <i>Dept. of Mathematical and Computing Science, Tokyo Institute of Technology</i> Advisor: Yoshiyuki KABASHIMA (樺島 祥介)	2017-2020
M.A. Degree <i>Graduate School of Arts and Sciences, University of Tokyo</i> Advisor: Koji HUKUSHIMA (福島 孝治)	2013-2015
B.A. Degree <i>Department of Basic Science, University of Tokyo</i>	2008-2013

WORK EXPERIENCES

Assistant Professor <i>Institute for Physics of Intelligence, The University of Tokyo, Full-time</i>	2020-
Postdoc Researcher <i>Institute for Physics of Intelligence, The University of Tokyo, Full-time</i>	2020-2020
Research Intern <i>Toyota InfoTechnology Center Co., Ltd., Part-time</i>	2018-2019
Technology Consultant, Software Engineer <i>Kozo Keikaku Engineering Inc., Full-time</i>	2015-2017

AWARDS

Japan Society for the Program of Science Research Fellowships for Young Scientists (DC2)	2019-2021
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¥200,000/month + research grant(Grant-in-Aid for JSPS Fellows) ¥1.7million

Outstanding Graduate Student Award

2015

PUBLICATIONS

5. **T.Takahashi** and Y. Kabashima,
"Macroscopic Analysis of Vector Approximate Message Passing in a Model-Mismatched Setting",
IEEE Transactions on Information Theory (2022).
4. **T.Takahashi** and Y. Kabashima,
"Semi-analytic approximate stability selection for correlated data in generalized linear models",
J. Stat. Mech. (2020) 093402.
3. **T.Takahashi** and Y. Kabashima,
"Macroscopic Analysis of Vector Approximate Message Passing in a Model Mismatch Setting",
2020 IEEE International Symposium on Information Theory (ISIT) (pp.1403-1408).
2. **T.Takahashi** and Y. Kabashima,
"A statistical mechanics approach to de-biasing and uncertainty estimation in LASSO for random measurements",
J. Stat. Mech. (2018) 073405.
1. **T.Takahashi** and K.Hukushima,
"Evidence of a one-step replica symmetry breaking in a three-dimensional Potts glass model",
Physical Review E **91**, 020102(R) (2015).

SKILLS

Coding Julia, C, C++, Python, R, \LaTeX