

Curriculum Vitae

Antti Honkela

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- CONTACT INFORMATION
 - ORCID: <https://orcid.org/0000-0001-9193-8093>
 - WWW: <https://www.cs.helsinki.fi/u/ahonkela/>
- EDUCATION AND DEGREES COMPLETED
 - Doctor of Science in Technology, Helsinki University of Technology (TKK), 2005. Major: Computer and Information Science.
 - Master of Science in Technology (with distinction), TKK, 2001. Major: Mathematics.
 - Title of Docent in Computer Science, TKK / Aalto University, 2008–
- CURRENT POSITION
 - Associate Professor (tenure track), Department of Computer Science, University of Helsinki (UH), 2019–
- PREVIOUS WORK EXPERIENCE
 - Assistant Professor (tenure track), Department of Mathematics and Statistics and Department of Public Health, UH, Oct 2016–Dec 2018
 - Academy Research Fellow, Helsinki Institute for Information Technology HIIT, Dept of Computer Science, UH, Sep 2012–Aug 2017
 - Senior Researcher, Helsinki Institute for Information Technology HIIT, Dept of Computer Science, UH, 2011–Aug 2012
 - Postdoctoral Research Scientist (Academy of Finland Postdoctoral Researcher’s project), Dept of Information and Computer Science, TKK, 2008–2010
 - Visiting Researcher, School of Computer Science and Faculty of Life Science, University of Manchester (total 13 months in 2007, 2009–2010 and 2013)
 - Postdoctoral Research Scientist (2005–2007) / Research Scientist (2001–2005) / Research Assistant (1999–2001), Lab of Computer and Information Science, TKK
- LEADERSHIP AND SUPERVISION EXPERIENCE
 - Supervised or co-supervised 5+ postdoctoral researchers (2 ongoing)
 - Supervised PhD students (Hande Topa graduated 2018, 3 ongoing)
 - Supervised 10+ M.Sc. theses, 5+ B.Sc. theses
 - Coordinator of Research Programme in Privacy-preserving and Secure AI, Finnish Center for Artificial Intelligence FCAI, 2017–
 - Coordinator of an AoF consortium project (“Privacy-aware retrieval and modelling of genomic data (PRIGENDA)”), 2014–2016
- TEACHING EXPERIENCE
 - Lecturer, teacher or teaching assistant at 20+ courses
- AWARDS, PRIZES AND HONOURS
 - Member of the Best Performing Team in the NCI-DREAM Drug Sensitivity Prediction Challenge Sub-challenge 1, 2012
 - Finnish Academy of Science and Letters, Member of Academy Club for Young Researchers, 2009–2010
 - Univ. of Jyväskylä Center for Mathematical and Computational Modeling award for creditable Master’s thesis on mathematical and computational modelling, 2002
 - Third prize in the 7th International Mathematics Competition for University Students, London, UK, 2000
 - Honorable mention in the 38th International Mathematical Olympiad, Mar del Plata, Argentina, 1997

- KEY SCIENTIFIC AND ACADEMIC MERITS
 - Invited speaker, NIPS 2017 Workshop on Advances in Approximate Bayesian Inference, 2017
 - Keynote speaker, Bringing Maths to Life conference, Naples, Italy, 7-9 June 2017
 - Associate editor, Statistical Applications in Genetics and Molecular Biology, 2014–
 - Action editor, Journal of Machine Learning Research, Machine Learning Open Source Software section, 2012–
 - Area chair at NeurIPS 2018, AISTATS 2018, ICML 2019
 - Pre-examiner of 2 PhD theses (Ilmari Ahonen, University of Turku, 2017; Sini Rautio, Aalto University, 2018)
 - Steering group member, Master’s Programme in Data Science (UH, 2017–; deputy director 2018–), Master’s Programme in Mathematics and Statistics (UH, 2017–), Doctoral Programme in Mathematics and Statistics (UH, 2017–)
 - Board member (personnel representative), Helsinki Institute for Information Technology HIIT, 2015– (Deputy member 2011–2014)
 - Reviewer of research proposals for the European Science Foundation (ESF), Biotechnology and Biological Sciences Research Council (BBSRC, UK), Medical Research Council (MRC, UK), the Netherlands Organisation for Scientific Research (NWO)
 - Reviewer for 29 international journals, including Bioinformatics, Nature Communications, Nucleic Acids Research, Statistics and Computing
 - PC member for 30+ international conferences and workshops, including ICML, UAI, AAAI, AISTATS, ISMB/ECCB
 - Expert at the Social Affairs and Health Committee of the Finnish Parliament on proposed law on secondary use of health and social service data, 2018
- EXPERIENCE OF ORGANISING SCIENTIFIC MEETINGS
 - Organiser of 7 international workshops, e.g. in Privacy in Machine Learning (ICML 2018, ICML 2017), Machine Learning Open Source Software (NeurIPS 2018, ICML 2015, NIPS 2013) and the 25th Annual Workshop on Mathematical and Statistical Aspects of Molecular Biology (MASAMB 2015)
 - 17th International Conference on Artificial Intelligence and Statistics (AISTATS 2014), Publication chair
 - 2010 IEEE International Workshop on Machine Learning for Signal Processing (MLSP 2010), Web and publication chair
- RESEARCH FUNDING (AWARDS TOTAL 2.5 M€)
 - “Reliable automated Bayesian machine learning (RAB-ML)”, Academy of Finland (AoF) ICT 2023 project, 3 partner consortium, total funding 551 319 €, funding for Honkela group 187 249 €, 2018–2019
 - “Computational modelling of *C. botulinum* toxin production regulation (COMBOT)”, AoF Academy Project funding, 538 688 €, 2017–2021
 - “Privacy-aware data science (PADS)”, AoF ICT 2023 project, 3 partner consortium, total funding 517 004 €, funding for Honkela group 155 375 €, 2016–2018
 - AoF Finnish-Japanese project in medical genomics, 357 256 €, 2014–2017
 - “PRIGENDA”, AoF ICT 2023 project as coordinator with 2 other partners, total funding 413 914 €, funding for Honkela group 100 000 €, 2014–2016
 - AoF Academy Research Fellowship, 786 894 €, 2012–2017
 - “SYNERGY”, Transnational ERASysBio project, 7 partner consortium, total funding 2.3 M€, funding for Honkela group 116 930 €, 2010–2013
 - AoF Postdoctoral Researcher’s project, 249 000 €, 2008–2010