

Curriculum Vitae of Associate Professor Antti Airola, August 14. 2025

ORCID: <https://orcid.org/0000-0002-1010-4386>

Degrees

- Title of Docent, Data Analytics, University of Turku, Finland. 29. Dec. 2017
- Doctor of Science in Technology, Computing, University of Turku, Finland. 15. Dec. 2011
- Master of Science in Technology, Software Eng., University of Turku, Finland. 26. Oct. 2006
- Bachelor of Science, ICT, University of Turku, Finland. 15. June 2006

Current employment

- Associate Professor (tenure track), Dep. of Computing, University of Turku. May 2023 -
- Deputy Head of Dep. of Computing, University of Turku. January 2025 -

Previous work experience

- Assistant Professor, Dep. of Computing, University of Turku. Aug. 2019 - April 2023
- University Lecturer, Dep. of Future Tech., University of Turku. Sep. 2018 - July 2019
- Postdoctoral researcher, Dep. of Future Tech., University of Turku. Sep. 2015 - Aug. 2018
- University Teacher, Dep. of Information Tech., University of Turku. Mar. 2013 - Aug. 2015
- Postdoctoral researcher, Dep. of Information Tech., University of Turku. Jan. 2012 - Feb. 2013
- Doctoral Student, Dep. of Information Tech., University of Turku. Jan. 2007 - Dec. 2011

Research funding and grants

- Total €2.8 M as PI, €592K as Co-investigator (Co-I), RCoF = Research Council of Finland
- Machine learning for secure multi-hospital data integration, RCoF (PI, 2024 - 2026, €453K)
- PRIVIDEMA, Horizon Europe (Co-I, PI Tapio Pahikkala, 2024 - 2027, €459K)
- PHASE IV AI, Horizon Europe (PI, consortium coordinator, 2023 - 2026, €929K)
- SYNDATE, European Regional Development Fund (Co-I, PI Matti Kaisti, 2023 - 2025, €133K)
- AI for interaction prediction in biomedicine, RCoF (PI, 2022 - 2024, €200K)
- Machine learning for systems pharmacology, RCoF (PI, 2021 - 2026, €166K)
- PRIVASA, Business Finland (PI, consortium coordinator, 2021 - 2024, €718K)
- Privacy preserving machine learning for biomedical data, Business Finland (PI 2020, €60K)
- Kernel-based structured prediction, RCoF (PI, 2015-2018, €231K)
- Minor grants: approx €18K (2008 - 2019)

Research output

- See <https://scholar.google.com/citations?user=5CPOSr0AAAAJ&hl=en>

Research supervision and leadership experience

- PhDs supervised to completion: Saeed Mehrang (2023), Aki Koivu (2022), Markus Viljanen (2021), Pekka Naula (2017)
- Currently supervising 3 postdocs and 12 PhD students as main or co-supervisor
- 40 MSc theses and 11 BSc theses supervised (2007 - 2025)
- Coordinator of Horizon Europe [PHASE IV AI](#) (2023 - 2026) and Business Finland [PRIVASA](#) (2021 - 2024) consortia
- Leadership training: Good academic leadership programme (2025) and Academic leadership in practice programme (2021 - 2022) at Turku School of Economics. BRIK leadership training (2021), University of Turku.

Teaching merits

- Responsible person at University of Turku: B.Sc. and M.Sc. curricula in biomedical engineering and health technology (2021-), International MDP in health technology curriculum (2021-), Multidisciplinary study module in AI (2019 -)
- Responsible teacher: 16 instances of 5 different university courses (2011 -)
- Other teaching roles (individual lectures, teaching assistant) on 25 course instances
- Member of Education Development Group at University of Turku, Dep. of Comp. (2019 - 2024)
- Pedagogic training: University pedagogics 1 (10 ECTS, University of Turku, 2014-2015)
- Teaching grants (€265K as PI, €200K as Co-I, Total €465K) for AI education development

Awards and honours

- Supervised thesis (Ilkka Suuronen) won Master's thesis award of Academic Association for Mathematics and Natural Sciences in Finland in 2023
- Grade *Excellent* for teaching demonstrations at University of Turku (2017 and 2019)
- 2015 IEEE Computational Intelligence Society Outstanding Transactions on Fuzzy Systems Paper award to article *A Kernel-Based Framework for Learning Graded Relations From Data*
- Member of winning team in 2015 Prostate Cancer DREAM Challenge, 2014 Broad-DREAM Gene Essentiality Prediction Challenge and 2009 BioNLP'09 Shared Task on Event Extraction
- Member of TOP 3 team in 2017 Game Data Mining Competition at IEEE CoG conference and 2007 Medical NLP Challenge of Computational Medicine Center of Cincinnati
- Doctoral thesis award of the Pattern Recognition Society of Finland: best Finnish doctoral thesis in the field of pattern recognition in 2010-2011
- Doctoral thesis accepted with honors in 2011 (estimated best 10% internationally).

Other key academic merits

- Selected board memberships include:
 - Turku Collegium for Science, Medicine and Technology (2025 -)
 - Faculty Council of Faculty of Technology at University of Turku (2020 - 2025)
 - Editorial board of Machine Learning journal (Springer) (2021-)
 - Turku Brain and Mind Center (2020 -)
 - Vice-chairman of the Finnish Society for Computer Science (2018 - 2020)
 - Finnish Artificial Intelligence Society (2009 - 2013)
- PhD thesis opponent: Xinyu Hao, University of Jyväskylä, Finland (2025)
- PhD thesis pre-examiner for four theses at University of Helsinki (2025), Australian National University (2024) and Aalto University (2023, 2022)
- Member of the advisory committee for PhD students: two (ongoing), one (completed in 2023)
- External evaluator: SDU Graduate School, Denmark (2023), Mitacs Elevate, Canada (2022)
- Member of national working groups developing Finnish computer science entrance exams (2014 - 2019) and DIA student admission system (2016 - 2027)
- Co-organizer: five scientific conferences or workshops (2010 - 2024)
- Numerous peer-reviews, including leading conferences (e.g. NeurIPS, ICML, AAAI, KDD) and journals (e.g. Bioinformatics, IEEE Trans. on Neural Networks, JMLR, Machine Learning)

Scientific and societal impact

- Developer for open source Python machine learning software (including [RLScore](#))
- Board or steering group member: Health Safety for Maritime Cluster project (2021 - 2022), LuotAI project (2020 - 2022), Kites association (2013)
- Interviews at Helsingin Sanomat and Turun Sanomat newspapers (2020 - 2023)
- Evaluator for TuKoKe competition science projects from children and young people (2022)