

# Curriculum vitae

April 19, 2024

**Name:** Kaski, Samuel

**Year of birth:** 1968

**Nationality:** Finland

**Website:** <https://kaski-lab.com>

## Degrees

1997, Doctor of Science, Computer Science, Helsinki University of Technology, Finland

1993, Master of Science, Computer Science, Helsinki University of Technology, Finland

2005, Title of Docent, Computer Science, University of Helsinki

1999, Title of Docent, "Adaptive methods for analyzing large data sets," Helsinki University of Technology

## Current employment

2005– Professor of Computer Science, Aalto University, Finland (50% from 2020)

2020– Professor of Artificial Intelligence, The University of Manchester, UK (50%)

## Previous work experience

2016–2020 Academy Professor (research professor), awarded by the Academy of Finland

2019, 2015 Visiting Professor (JSPS Invitation Fellow), Kyoto University, Japan

2016 Visiting Scholar, Monash University, Australia

2016, 2013 Visiting Scholar, UCL, UK

2012 SICSA Distinguished Visitor, Univ. Glasgow, Scotland

2007 Visiting Scholar, European Bioinformatics Institute, UK

2004–2005 Professor of Computer Science, University of Helsinki, Finland

2004 Invited Professor, Université Paris 1, Panthéon-Sorbonne, France

2001–2004 Academy Research Fellow, awarded by the Academy of Finland

1999–2001 Professor of Computer Science (pro tem), Helsinki University of Technology, Finland

1998–1999 Postdoctoral researcher, awarded by the Academy of Finland

1997–1998 Junior fellow, awarded by the Academy of Finland

1995–1997 Researcher, awarded by the Academy of Finland

1989–1995 Research Assistant and Researcher, Helsinki University of Technology, Finland

## Research Supervision and Leadership Experience

2021– Research Director, Christabel Pankhurst Institute for Health Technology,  
The University of Manchester

2020– leading PI, ELISE EU Network of Centers of Excellence in AI, of 202 core  
contributors from 105 organizations across Europe

2020– Director, ELLIS Unit Helsinki

2018– Director, Finnish Center for Artificial Intelligence FCAI, research flagship  
of the Academy of Finland

2019– Director and ELLIS Fellow, ELLIS Robust Machine Learning Program ([ellis.eu](https://ellis.eu))

2015–2017 Director, Finnish Centre of Excellence in Computational Inference Research COIN

2010–2015 Director, Helsinki Institute for Information Technology HIIT

2014–2016 Group leader, Biocentrum Helsinki

2006–2011 Vice Director, Center of Excellence in Adaptive Informatics Research

Supervised 36 doctoral dissertations, advisor of >30 postdocs; 21 lab alumni have got faculty positions, the rest are staff members at research institutes, postdocs, entrepreneurs, or in other company positions. Supervised also 65 Master's Theses.

Coordinator of ~10 research consortia and principal investigator in altogether >30 projects funded by the Academy of Finland, Tekes, Business Finland, UKRI, and EU.

### **Teaching merits**

Has founded and been responsible professor for doctoral programmes, master's programmes and majors at Aalto University. Has given numerous courses on bioinformatics, machine learning, computational statistics and data mining, in Helsinki University of Technology, University of Helsinki, and Aalto University, and some in Technical University Graz, Technical University Wien, and Université Paris 1, Panthéon-Sorbonne.

### **Awards and honours**

2022, Aalto Pioneering Excellence Award, Finland  
2021, Turing AI World-Leading Researcher Fellowship, UKRI, UK  
2021, Turing Fellow, The Alan Turing Institute, UK  
2020, Order of the White Rose of Finland, First Class Knight  
2019, ELLIS Fellow, ELLIS Society  
2019, Aalto Research Impact Award, Aalto University, Finland  
2018, Award for Innovation of the Year, Aalto University, School of Science  
2017, Member of Finnish Academy of Science and Letters  
2016, Academy Professor, the Academy of Finland  
2012, Leader of winning team of NCI-DREAM Drug Sensitivity Prediction Challenge  
2011–2022, Best paper awards: ECML (2011), ACM IUI (2013), AISTATS (2019), NeurIPS HILL (2022)  
2007, Distinguished Contribution Award, MLG'07, The 5th International Workshop on Mining and Learning with Graphs

### **Other key academic merits**

- 32 invited talks and 14 keynote and plenary talks in international conferences
- Member of EPSRC's Research Infrastructure Strategic Advisory Team (SAT), 2021–2026
- Member of Scientific Advisory Board: LUMI 2024– and five other organizations
- Evaluator for Professorships: 18 times; Doctoral thesis committees: 34 times
- Action editor of Journal of Machine Learning Research JMLR, 2013–
- Associate editor of IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017–
- Senior Advisory Editor of ACM Transactions on Probabilistic Machine Learning, 2024–
- 22 Program Committee Chairmanships, and Member of Program Committee over 100 times. For example in the leading conferences: IUI General Chair (2022), NeurIPS, Senior Area Chair (2019,2021-24), AAAI, Area Chair (2023-24), ICML, Area Chair (2018,2021), NIPS, Tutorials Chair (2017-2018), AISTATS, Program Chair (2014).
- Referee for 33 scientific journals
- Reviewer or panel member for ERC, NSF and multiple other research funding organizations

### **Scientific and societal impact**

Member of Research and Innovation Council of the Government of Finland, 2019–2023; Member of Steering Group, Finland's AI Programme 2017–2019; Member of Advisory Board, Statistics Finland 2015–2018; Chairman of Board of Directors, CSC—IT Center for Science 2012–2015