

Moa Johansson

2023-02-08

Education

- **PhD in Informatics**, Centre for Intelligent Systems and their Applications, University of Edinburgh, UK, 2009.
- **BSc in Artificial Intelligence and Computer Science**, University of Edinburgh, UK, 2005.

Employment

- **Docent**, Department of Computer Science and Engineering, Chalmers University of Technology. 2017 – present.
- **Assistant professor/researcher**, Department of Computer Science and Engineering, Chalmers University of Technology. 2011 – 2017
- **Post-doc**, Department of Informatics, University of Verona, Italy. 2009 – 2011.

Leadership in Education and Research

- Vice-head of Chalmers Area of Advance: Information- and Communication Technology, 2022 – present.
- Director of Chalmers MSc program in Algorithms, Languages and Logic 2016 – 2022.

Research Projects (externally funded)

Ongoing project

- *NeSSy: Neuro-Symbolic Synthesis via Reinforcement Learning*. Swedish Research Council (Vetenskapsrådet), 2023 – 2027.
- *Neurodynamic programming and Reinforcement Learning*. WASP-Aalto collaboration project, with Vikas Garg, Aalto University. 2023 – 2025.
- *Countering bias in AI methods in the social sciences*. WASP-HS NetX, with Adel Daoud (Linköping University) and Richard Johansson (Gothenburg University). 2023 – 2027.
- *Bias and methods of AI technology for studying political behaviour*. WASP-HS, with Annika Fredén, dept. of Political Science, Lund University. 2020–2025.

Previous Projects (PI)

- *Learning and Exploration in Automated Theorem Proving*. Swedish Research Council (Vetenskapsrådet) project grant for young researchers (June 2015 - Dec 2021, extended due to parental leave)
- *Automated Reasoning About Recursive Programs*. VINNMER Marie Curie Fellowship. (Oct 2011 - June 2015)

Current PhD students and post-docs (main supervisor)

- Denitsa Saynova (WASP-HS PhD, start 2021)
- Sólrún Halla Einarsdóttir (WASP PhD, start 2018, licentiate March 2022)
- Bastiaan Bruinsma (WASP-HS post-doc, start 2022)
- Jonathan Thomas (WASP-Aalto post-doc, starting May 2023)
- PhD student under recruitment (Vetenskapsrådet, starting autumn 2023)

Google Scholar profile:

<https://scholar.google.com/citations?user=qJ9O8GIAAAAJ&hl=sv>