

Jakob Nordström

Curriculum Vitae

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Education and Degrees

2015	Docent degree (habilitation) at KTH Royal Institute of Technology, Stockholm, Sweden
2008	PhD in Computer Science at KTH Royal Institute of Technology
2001	MSc in Computer Science and Mathematics at Stockholm University, Sweden

Positions Held

Mar-May 2023	Visiting Scientist at the Simons Institute for the Theory of Computing at UC Berkeley, USA
2020–present	Professor (part-time affiliation) at Lund University, Sweden
2019–present	Associate Professor and then Professor at the University of Copenhagen, Denmark
Autumn 2018	Visiting Scientist at the Simons Institute for the Theory of Computing
2011–2019	Assistant Professor and then Associate Professor at KTH Royal Institute of Technology
2008–2010	Postdoctoral researcher at the Massachusetts Institute of Technology, USA

Supervision

Main advisor of Mladen Mikša (PhD 2017), Marc Vinyals (PhD 2017), Susanna de Rezende (PhD 2019), Stephan Gocht (PhD 2022), and Kilian Risse (PhD 2022), and host of 11 previous postdoctoral researchers.

Currently advising 8 PhD students and hosting 1 postdoc.

Professional Service

Workshops, PhD Courses, Et Cetera

- Main organizer of the workshop *Certifying Algorithms for Automated Reasoning* at Schloss Dagstuhl – Leibniz-Zentrum für Informatik Jun 2025 [planned]
- Main organizer of a series of workshops on proof complexity at Mathematisches Forschungsinstitut Oberwolfach Aug 2017, Dagstuhl Jan–Feb 2018, Banff International Research Station (BIRS) Jan 2020, and Oberwolfach Mar 2024
- Program chair of the *NordConsNet 2023* workshop in Odense, Denmark, Jun 2023
- Member of organizing committee for the program *Satisfiability: Theory, Practice and Beyond* at the Simons Institute for the Theory of Computing, spring 2021 [converted to virtual format due to Covid-19] and chair of the program Mar–May 2023
- Main organizer of a series of workshops on the theory and practice of satisfiability and combinatorial solving at BIRS Jan 2014, Dagstuhl Apr 2015, the Fields Institute for Research in Mathematical Sciences Aug 2016, Casa Matemática Oaxaca (affiliated with BIRS) Aug 2018, and Dagstuhl Oct 2022
- Main organizer of the *Swedish Summer School in Computer Science* 2014–2019 (s3cs.eecs.kth.se)

Conference Program Committee Chairing

- *Conference on Theory and Applications of Satisfiability Testing (SAT)* 2025

Conference Program Committees

- *AAAI Conference on Artificial Intelligence (AAAI)* 2019–2025
- *ACM Symposium on Theory of Computing (STOC)* 2016
- *Computational Complexity Conference (CCC)* 2013, 2016
- *Conference on Current Trends in Theory and Practice of Computer Science (SOFSEM)* 2013
- *Conference on the Integration of Constraint Programming, Artificial Intelligence, and Operations Research (CPAIOR)* 2021
- *Conference on Theory and Applications of Satisfiability Testing (SAT)* 2013–2016, 2018–2020, 2023–2024
- *International Colloquium on Automata, Languages and Programming (ICALP)* 2020, 2024
- *International Computer Science Symposium in Russia (CSR)* 2018
- *International Conference on Tests and Proofs (TAP)* 2022–2023
- *International Joint Conference on Artificial Intelligence (IJCAI)* 2018–2021; PC board 2022–2024
- *Symposium on Theoretical Aspects of Computer Science (STACS)* 2019

Editorial Boards

- *Electronic Colloquium on Computational Complexity (ECCC)*
- *Journal on Artificial Intelligence Research*
- *Journal on Satisfiability, Boolean Modeling and Computation*
- *Theory of Computing*

Commissions of Trust

2018–2023 Member of the Young Academy of Sweden (serving on the board 2020–2023)

Awards

2022 Best paper award at the *25th Conference on Theory and Applications of Satisfiability Testing*
2022 Distinguished paper award at the *36th AAAI Conference on Artificial Intelligence*
2009 Ackermann Award for “outstanding dissertation in Logic in Computer Science” from the European Association for Computer Science Logic
2006 Best student paper award at the *38th ACM Symposium on Theory of Computing*

Awards for PhD Students

2024 SAT Association Fahiem Bacchus PhD Award in Satisfiability runner-up for Stephan Gocht
2023 Wallenberg Academy Fellowship (for promising young researchers) to Susanna de Rezende
2023 Association for Constraint Programming Doctoral Research Award to Stephan Gocht
2019 Stockholm Mathematics Centre Excellent PhD Thesis Award to Susanna de Rezende

Grants

2024, -23, -21 Academic Doctoral Student Grants from the Wallenberg AI, Autonomous Systems and Software Program (WASP) [ca 400 k€ each]
2020–2026 Research project 2 grant from the Independent Research Fund Denmark [ca 831 k€]
2017–2022 Consolidator Grant from the Swedish Research Council [ca 1.17 M€]
2017–2022 Grant from the Knut and Alice Wallenberg (KAW) Foundation (co-PI) [ca 3.13 M€]
2017–2020 Postdoctoral Scholarship Program in Mathematics Grant from KAW [ca 170 k€]
2013–2018 Breakthrough Research Grant from the Swedish Research Council [ca 388 k€]
2012–2018 Starting Independent Researcher Grant from the European Research Council [1.46 M€]
2011–2014 Junior Researcher Position from the Swedish Research Council [ca 416 k€]

Full CV available at www.jakobnordstrom.se/docs/Research-CV.pdf.