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 12 previous postdoctoral researchers.

Currently advising 7 PhD students.

Professional Service

Workshops, PhD Courses, Et Cetera

- Main organizer of a series of workshops on proof complexity at Oberwolfach Aug 2017, Dagstuhl Jan–Feb 2018, BIRS Jan 2020, Oberwolfach Mar 2024, and Oberwolfach Sep 2027 *[planned]*
- Organizer of the *International Workshops on Highlights in Organizing and Optimizing Proof-logging Systems (WHOOPS)* in Copenhagen, Denmark, May 2024, Paris, France, Sep 2025, and Lisbon, Portugal, Jul 2026 *[planned]*
- Main organizer of a series of workshops on the theory and practice of satisfiability and combinatorial solving at BIRS Jan 2014, Dagstuhl Apr 2015, Fields Institute Aug 2016, Casa Matemática Oaxaca (affiliated with BIRS) Aug 2018, Dagstuhl Oct 2022, and BIRS Jan 2026
- Main organizer of the workshop *Certifying Algorithms for Automated Reasoning* at Dagstuhl Jun 2025
- Organizer of the *International Workshop on Solving Linear Optimization Problems for Pseudo-Booleans and Yonder (SLOPPY '24)* in Lund, Sweden, Nov 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 at UC Berkeley, spring 2021 *[converted to virtual format due to Covid-19]* and chair of the program Mar–May 2023
- Main organizer of the *Swedish Summer School in Computer Science* 2014–2019 (`s3cs.eecs.kth.se`)

Conference Program Committee Chairing

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

Conference Program Committees

- *AAAI Conference on Artificial Intelligence (AAAI)* 2019–2026
- *Computational Complexity Conference (CCC)* 2013, 2016, 2026
- *European Conference on Artificial Intelligence (ECAI)* 2024–2025
- *International Colloquium on Automata, Languages and Programming (ICALP)* 2020, 2024
- *International Computer Science Symposium in Russia (CSR)* 2018
- *International Conference on Automated Deduction (CADE)* 2025
- *International Conference on Current Trends in Theory and Practice of Computer Science (SOFSEM)* 2013
- *International Conference on the Integration of Constraint Programming, Artificial Intelligence, and Operations Research (CPAIOR)* 2021
- *International Conference on Principles and Practice of Constraint Programming (CP)* 2023, 2026
- *International Conference on Tests and Proofs (TAP)* 2022–2023
- *International Conference on Theory and Applications of Satisfiability Testing (SAT)* 2013–2016, 2018–2020, 2023–2024, 2026
- *International Joint Conference on Artificial Intelligence (IJCAI)* 2018–2026
- *International Joint Conference on Automated Reasoning (IJCAR)* 2026
- *International Symposium on Theoretical Aspects of Computer Science (STACS)* 2019
- *Symposium on Theory of Computing (STOC)* 2016

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 and Honours

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 PhD thesis from the European Association for Computer Science Logic
2006	Best student paper award at the *38th ACM Symposium on Theory of Computing*

Awards and Honours 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/CurriculumVitae.pdf`.