

# 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 at the University of Copenhagen, Denmark
2020–present	Professor (part-time affiliation) at Lund University, Sweden
2019–2020	Associate Professor at the University of Copenhagen
Autumn 2018	Visiting Scientist at the Simons Institute for the Theory of Computing
2015–2019	Associate Professor at KTH Royal Institute of Technology, Sweden
2011–2015	Assistant 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 F. de Rezende (PhD 2019) Stephan Gocht (PhD 2022), and Kilian Risse (PhD 2022) and host of 11 previous postdoctoral researchers. Currently advising 6 PhD students and hosting 1 postdoc.

## Professional Service

### **Workshops, PhD Courses, Et Cetera**

- Program chair of the *NordConsNet 2023* workshop, 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 proof complexity at Mathematisches Forschungsinstitut Oberwolfach Aug 2017, Schloss Dagstuhl – Leibniz-Zentrum für Informatik Jan–Feb 2018, Banff International Research Station (BIRS) Jan 2020, and Oberwolfach Mar 2024 [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, the Fields Institute for Research in Mathematical Sciences Aug 2016, Casa Matemática Oaxaca (affiliated with BIRS) Aug 2018, and Dagstuhl Oct 2022
- Chair of the 25th anniversary celebration session at the *25th Conference on Theory and Applications of Satisfiability Testing (SAT '22)*, Aug 2022
- Main organizer of the *Swedish Summer School in Computer Science* 2014–2019 ([s3cs.eecs.kth.se](http://s3cs.eecs.kth.se))

### **Conference Program Committees**

- *AAAI Conference on Artificial Intelligence (AAAI)* 2019–2024
- *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
- *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 Satisfiability, Boolean Modeling and Computation*
- *Progress in Computer Science and Applied Logic* (Springer book series)
- *Theory of Computing*

### Commissions of Trust

2018–2023	Member of the Young Academy of Sweden
2020–2023	Member of the board of the Young Academy of Sweden

### Awards

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

### Awards for Students

2023	<i>Association for Constraint Programming Doctoral Research Award</i> to Stephan Gocht
2019	<i>Stockholm Mathematics Centre Excellent PhD Thesis Award</i> to Susanna F. de Rezende

### Grants

2021–2026	Academic Doctoral Student Grant from the Wallenberg AI, Autonomous Systems and Software Program (WASP) [ca 400 k€]
2020–2024	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€]

### Other Experience

1998–2011	Interpreter and translator between Russian and Swedish/English. Engaged as interpreter for among others HM the King of Sweden, the Prime Minister, and the Speaker of Parliament
2002–2005	President of the Swedish Association of Military Interpreters
1994–1999	Artistic director of the vocal ensemble Collegium Vocale Stockholm
1997/98	Compulsory national service as military interpreter at the Swedish Armed Forces Language Institute. Graduated as the best student of the 1998 class

Full CV available at [www.jakobnordstrom.se/docs/Research-CV.pdf](http://www.jakobnordstrom.se/docs/Research-CV.pdf).