

# Curriculum Vitae of Anton Frisk Kockum

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## Education and degrees

Dec 2020 **Docent**, Chalmers University of Technology  
Dec 2014 **PhD** in theoretical physics, Chalmers University of Technology  
Supervisor: Göran Johansson  
Oct 2010 **MSc** in Engineering Physics, Chalmers University of Technology

## Positions

May 2024 – **Associate professor**, Chalmers University of Technology  
Oct 2022 – May 2024 **Senior researcher**, Chalmers University of Technology  
Jun 2020 – Nov 2022 **Scientific coordinator** of the Wallenberg Centre for Quantum Technology (WACQT), Chalmers University of Technology  
Aug 2018 – Sep 2022 **Researcher** (permanent position), Chalmers University of Technology  
Apr 2015 – Aug 2018 **Postdoctoral researcher**, RIKEN  
Jan 2015 – Mar 2015 **Postdoctoral researcher**, Chalmers University of Technology  
Nov 2010 – Dec 2014 **PhD student**, Chalmers University of Technology  
Sep 2008 – Jun 2010 **Teaching assistant**, Chalmers University of Technology

## Publications

75 published papers (28 in high-impact journals), 17 preprints, and 3 book chapters  
12 publications as first (or shared first) author, 18 as last author  
[Google Scholar](#) (>9,500 citations, h-index 44, i10-index 67)  
ResearcherID: [E-8255-2014](#) (>5,700 citations, h-index 36)

## Presentations

31 invited talks at conferences and workshops  
30 contributed talks at conferences and workshops  
55 seminars at universities, popular science presentations, etc.  
11 poster presentations

## Peer review

166 reviews for 34 journals, including *Reviews of Modern Physics*, *Nature*, and *Science*  
Grant reviews for the European Research Council, the Swiss National Science Foundation, the Dutch Research Council, the Swedish Research Council, the Israel Science Foundation, the Austrian Science Fund, and Vinnova (the Swedish Innovation Agency)

[Web of Science profile](#)      APS Outstanding Referee (2025), IOP Trusted Reviewer (2020)

## Teaching and examination

*Chalmers University of Technology*

2020 –            Lecturer, *Quantum Computing* (MSc); Examiner from 2023

2019            Developed and lectured *Advanced Quantum Algorithms* (PhD)

2008 – 2014    Teaching assistant, many undergraduate courses

Have attended courses in pedagogy and received a Diploma of Higher Education (15 ECTS)

Faculty opponent 2 PhD students; grading committee 5 PhD students; examiner 3 PhD students

Examiner 9 MSc theses

## Supervision

*Current (previous)*

5 (3)    postdocs

5 (4)    PhD students as main supervisor, 7 (4) as assistant supervisor

1 (6)    MSc thesis students as main supervisor, 0 (6) as assistant supervisor

0 (5)    BSc thesis projects

## Other academic citizenship

2014 –            Member of the organization committee for 9 conferences and workshops

2020 –            Member of the board for Quantum Toolbox in Python (QuTiP)

2023 –            Member of the WACQT graduate school committee

2025 –            Swedish representative, Quantum Community Network (Quantum Flagship)

2025 –            Chair of the faculty assembly at the Department of Microtechnology and Nanoscience

2025 – 2028    Member of the committee for the Lise Meitner award

## Selected grants and awards

2025            Wallmarkska priset, Royal Swedish Academy of Sciences

2024            WACQT Fellow (main PI, 12 MSEK)

2022            Quantum Technology Flagship grant, Horizon Europe Programme (co-PI, 20 MEUR)

2022            WASP-WACQT collaboration project (co-PI, 2 MSEK)

2022            Future Research Leaders grant from the Swedish Foundation for Strategic Research [SSF] (main PI, 15 MSEK)

2022            Future Software Systems grant, SSF (co-PI, 35 MSEK)

2022            Honourable mention, Supervisor of the Year, Chalmers

2019            Starting grant, Swedish Research Council (main PI, 3.2 MSEK)

2019            BRIDGE Fellowship, Japan Society for the Promotion of Science (350 kJPY)

2015            Postdoctoral Fellowship, Japan Society for the Promotion of Science (10 MJPY)

2011            The John Ericsson medal (awarded to students with top grades at Chalmers)

2006            Honourable Mention, International Physics Olympiad, Singapore