

Curriculum Vitae

22.9.2024

1 Personal Details

- **Name:** Peltomäki, Jarkko Sakari
- **ORCID identifier:** [0000-0003-3164-1559](https://orcid.org/0000-0003-3164-1559)
- **Year of birth:** 1987
- **Nationality:** Finnish
- **Website, LinkedIn, GitHub**

2 Degrees

- **Title of Docent** in discrete mathematics (1.11.2021), University of Turku
- **Doctor of Philosophy** in mathematics (26.9.2016), University of Turku, Dept. of Mathematics and Statistics
 - **Thesis title:** Privileged Words and Sturmian Words (accepted with honors)
 - **Supervisors:** Tero Harju and Luca Zamboni
- **Master of Science** in mathematics (31.12.2011), University of Turku, Dept. of Mathematics

3 Linguistic Skills

- **Mother tongue:** Finnish
- **Other languages:** English (excellent), Swedish (fair), German (elements)

4 Current Position

- **Current position:** Project researcher, Åbo Akademi, Information Technology (9/2021–)
- **Research career phase:** Post-doctoral researcher

5 Previous Positions

- Collegium post-doctoral researcher, Turku Collegium for Science, Medicine and Technology, University of Turku (8/2018–7/2021).
- University teacher, University of Turku, Dept. of Mathematics and Statistics (9/2017–2/2018)
- Post-doctoral researcher, University of Turku, Dept. of Mathematics and Statistics (4/2017–8/2017)
- Visiting researcher, Åbo Akademi, Dept. of Computer Science (12/2016–3/2017)
- Grantee, Åbo Akademi, Dept. of Computer Science (9/2016–11/2016)
- Grantee, University of Turku, Dept. of Mathematics and Statistics (4/2016–8/2016)
- Ph.D. student, University of Turku, Dept. of Mathematics and Statistics (3/2012–3/2016)
- Trainee, University of Turku, Dept. of Mathematics (5/2011–7/2011)

6 International Visits

- St. Petersburg Steklov Institute of Mathematics, St. Petersburg State University (10/2018, 1 week)
- University of Liège, Dept. of Mathematics (6/2018–7/2018, 5 weeks)

7 Personal Research Funding and Grants

- 3/2020: Travel grant from **Magnus Ehrnrooth Foundation**, 1000 €
- 3/2019: Travel grant from **Magnus Ehrnrooth Foundation**, 1050 €
- 2/2018: Mobility from Finland grant from **Academy of Finland** to St. Petersburg, 1500 €
- 3/2017: Travel grant from **Magnus Ehrnrooth Foundation**, 1700 €
- 6/2016–11/2016: Research grant from the **Finnish Cultural Foundation**, 12000 €
- 4/2016–5/2016: **MATTI** grant for completing a doctoral degree, 3344 €
- Several small travel grants

8 Teaching Experience

- Pedagogical training (10 ECTS credits), University of Turku, completed first module
- Lecturer on 5 courses, 2017–2019, University of Turku
- Course assistant on 9 courses, 2012–2024, University of Turku, Åbo Akademi University
- Written an online course material for a MATLAB course, 2017, University of Turku
- Supervisor of 15 essays in mathematics, 2016–2021, University of Turku

9 Awards

- Coauthored a Best Paper of ITEQS 2024 (2024)
- Coauthored the Best Student Paper of WORDS 2019 (2019)

10 Other Academic Merits

- 28 peer-reviewed scientific articles, 2 non-reviewed or submitted articles, 2 theses
- 219 citations and h-index 10 according to Google Scholar, 71 citations and h-index 5 according to MathSciNet, 122 citations and h-index 6 according to Scopus
- 39 coauthors from 11 countries
- Invited speaker in 2 international conferences; speaker in 7 international conferences and in 2 national conferences
- Reviewer of Ph. D. thesis of J. Rukavička, Czech Technical University in Prague, Prague (2021)
- Member of steering committee of the WORDS conference (2024–); member of program committee of 2 conferences; member of organizing committee of 3 conferences.
- Referee in scientific journals and conferences; invited reviewer for Mathematical Reviews

- Newspaper article on my research in Helsingin Sanomat (19.3.2020); reception and talk for French high school guests (2019); scientific talk at the software company Taiste (2018); teaching elementary school pupils to program in an Hour of Code event (2017,2018); video interview for students of Kaarinan lukio on being a scientist (2017); talk for the pupils of Vasaramäen koulu during the science festival Tieteen päivät (2017)