

Personal details and date of CV

Name: Matomäki, Kaisa Sofia.

Gender: Female.

Date of birth: 30.04.1985.

Date of CV: 12.5.2026.

Degrees

2014, Title of docent, Number theory, University of Turku, Finland.

2009, Ph.D., Mathematics, Royal Holloway, University of London, Egham, United Kingdom (<https://www.royalholloway.ac.uk/>).

2005, M.Sc. (including B.Sc.), Mathematics, University of Turku, Turku, Finland.

Current employment

April 2023 – present, Professor, University of Turku, Finland (currently working 80% due to a family leave).

Previous work experience

September 2015 – March 2023, Academy Research Fellow, University of Turku, Finland.

(Visiting MSRI Berkeley for January – May 2017.)

April 2015 – August 2015 Tenure Track Associate Professor, University of Turku, Finland.

January 2015 – April 2015, University Research Fellow, University of Turku, Finland.

January 2011 – December 2014, Senior Research Fellow, University of Turku, Finland.

(Visiting CRM (Montreal) for September – December 2014.)

May 2008 – December 2010, Research Associate, University of Turku, Finland.

May 2008 – April 2009, Grantee, University of Turku, Finland.

November 2005 – April 2008, Research Student, Royal Holloway, University of London, Egham, UK.

Career breaks

Mother of three children, born in 12/2012, 2/2016, and 4/2018.

Maternity leaves November 2012 - October 2013, January 2016 - December 2016, March 2018 - December 2019 (total 34 months).

On average 50% family leave January 2019 - June 2020.

On 20% family leave since August 2020.

Research funding and grants

9/2025–8/2029 Project grant from Research Council of Finland (576 044 €).

1/2022–12/2026 (–12/2029?) One of the principal investigator at Finnish Centre of Excellence in Randomness and Structures (FIRST) funded by Research Council of Finland (505 750 €).

9/2020–8/2024 Project grant from Research Council of Finland (482 739 €).

9/2018–8/2021 Grant to cover research expenses from Academy of Finland (140 000 €).

1/2018–12/2021 A project grant from Emil Aaltonen Foundation (210 000 €).

9/2015–8/2018 Grant to cover research expenses from Research Council of Finland (208 852 €).

9/2015–3/2022 Academy Research Fellowship from Research Council of Finland (434 485 €).

1/2011–12/2014 Post-doctoral project from Research Council of Finland (244 910 €).

Research supervision and leadership experience

PhD supervisor for Joni Teräväinen (graduated 2018), Jori Merikoski (2021), Juho Salmensuu (2022), Olli Järvinen (2023), Yu-Chen Sun (2024), Mikko Jaskari (expected to graduate in 2026), Sarvagya

Jain (expected to graduate in 2027), Lotta Makkonen (expected to graduate in 2029).

Post-doctoral advisor for Olga Balkanova (2016-2017), Jesse Jääsaari (2019-2020 and 2023-2026), Bryce Kerr (2019-2020), Joni Teräväinen (2021-2024), Martin Čech (2022-2024), Sebastian Zuniga Alterman (2023-2025), Mengdi Wang (2023-2024), Stelios Sachpazis (2023-2025), Tony Haddad (2025-2027).

Awards and honours

2025 The State Councillor Lorenz Lindelöf Prize

2024 Alexanderson Award jointly with Maksym Radziwiłł, Terence Tao, Joni Teräväinen, and Tamar Ziegler.

2023 Frank Nelson Cole Prize in Number Theory jointly with Maksym Radziwiłł.

2021 Ruth Lyttle Satter Prize.

2020 EMS Prize.

2019 New Horizons in Mathematics Prize jointly with Maksym Radziwiłł.

2016 Väisälä Prize.

2016 Academy of Finland Award for Scientific Courage.

2016 SASTRA-Ramanujan Prize jointly with Maksym Radziwiłł.

Co-organized conferences

11/2025 Analytic Number Theory (Oberwolfach).

5/2023 Finnish Number Theory Days (Turku).

11/2022 Analytic Number Theory (Oberwolfach).

11/2019 Analytic Number Theory (Oberwolfach).

11/2017 Interplay between Number Theory and Analysis for Dirichlet Series (Oberwolfach).

2/2017 Introductory Workshop: Analytic Number Theory (MSRI).

2/2017 Connections for Women: Analytic Number Theory (MSRI).

1/2016 Finnish Mathematical Days (Turku).

5/2014 Analytic Number Theory Workshop (Turku).

5/2013 Finnish Number Theory Days (Turku).

5/2011 Arctic Number Theory School (Helsinki).

Memberships of scientific committees of conferences

5/2024 AGENTForum (Jyväskylä).

7/2022 Number Theory Section of International Congress of Mathematicians.

1/2020 Finnish Mathematical Days (Oulu).

7/2017 Journées Arithmétiques (Caen).

1/2016 Finnish Mathematical Days (Turku).

Selected invited talks

7/2023 RHB70 (Oxford).

5/2020 Princeton Mathematics Colloquium (online).

8/2018 International Congress of Mathematicians (jointly with M. Radziwiłł) (Rio de Janeiro).

7/2016 European Congress of Mathematics (Berlin).

7/2013 Journées Arithmétiques (Grenoble).

2009–25 Dozens of more invited conference and seminar talks.