

Personal details and date of CV

- Blåsten
- Emilia Lavie Kyllikki
- <https://orcid.org/0000-0001-6675-6108>
- 30.5.2025

Degrees

- Title of Docent: 1.3.2024, Inverse Problems in Partial Differential Equations, Lappeenranta-Lahti University of Technology LUT.
- 19.6.2013, Doctor of Philosophy, Applied Mathematics, University of Helsinki, Helsinki, Finland, verification contact: registrar@helsinki.fi
- 24.6.2010, Licentiate of Philosophy, Applied Mathematics, University of Helsinki, Helsinki, Finland.
- 17.10.2008, Master of Science, Applied Mathematics, University of Helsinki, Helsinki, Finland.
- 17.10.2008, Bachelor of Science, Mathematics, University of Helsinki, Helsinki, Finland.
- 3.6.2006, Highschool, Helsingin Matematiikkalukio, Helsinki, Finland.
- 2003, Primary School, Helsingin ranskalais-suomalainen koulu, Helsinki, Finland.

Current employment

- 2.5.2022 – 3.5.2026, Associate Professor (tutkijaopettaja), Lappeenranta-Lahti University of Technology LUT, Department of Computational Engineering, Lahti Campus, Lahti, Finland.

Previous work experience

- 1.1.2021 – 30.4.2022, Post-doctoral researcher, Aalto University, Department of Mathematics and Systems Analysis.
- 1.7.2020 – 31.12.2024, Part-time Researcher, Tallinn University of Technology, Department of Cybernetics, Division of Mathematics, Tallinn, Estonia.
- 28.3.2019 – 31.12.2020, Post-doctoral researcher, University of Helsinki, Department of Mathematics and Statistics.
- 15.5.2016 – 31.8.2018, Part-time work on the *Smart Urban Water Supply Systems* project with Prof. Mohamed Ghidaoui, HKUST Department of Civil and Environmental Engineering.
- 1.9.2015 – 31.8.2018, IAS Postdoctoral Fellow, HKUST Jockey Club Institute for Advanced Study.
- 5.1.2015 – 31.7.2015 Research scientist, Tallinn University of Technology, Department of Mathematics.
- 1.9.2013 – 31.12.2014, Post-doctoral researcher, University of Helsinki, Department of Mathematics and Statistics.
- 1.1.2009 – 31.8.2013, Doctoral student, University of Helsinki, Department of Mathematics and Statistics.
- 1.9.2007 – 31.12.2008 Research assistant, University of Helsinki, Department of Mathematics and Statistics.

Career breaks

- 1.9.2018 – 27.3.2019, Break for health reasons (7 months).

Research funding and grants

Research output

Research supervision and leadership experience

- Doctoral students: Samuel Agenorwoth (2025–)
- Employees in 2025: 3 total (1 postdoctoral research, 1 doctoral student, 1 summer worker)

Teaching merits

- Digivisio – Learning Design and Guidance, 3 ECTS credits, Lappeenranta-Lahti University of Technology LUT, December 2024.
- Assessment and Demonstration of Teaching Competence, 2 ECTS credits, Lappeenranta-Lahti University of Technology, December 2024.
- Open Intro, 1 ECTS credits, Lappeenranta-Lahti University of Technology LUT, October 2024.
- University Pedagogy, Basic Module, part 2, 5 ECTS credits, Lappeenranta-Lahti University of Technology LUT, May 2024.
- University Pedagogy, Basic Module, part 1, 5 ECTS credits, Lappeenranta-Lahti University of Technology LUT, January 2024.
- Supervising doctoral studies and dissertation, 3 ECTS credits, Lappeenranta-Lahti University of Technology LUT, December 2022.
- Primary lecturer for BM20A9300 Statistical Mathematics/BM20A9301 Statistics (around 130 students), Lappeenranta-Lahti University of Technology LUT, 2023–2025.
- Primary lecturer for BM20A9200 Mathematics A (around 130 students), Lappeenranta-Lahti University of Technology LUT, 2022–2024.
- Primary lecturer for MS-A0502 Todennäköisyyyslaskennan ja tilastotieteen peruskurssi (First Course in Probability and Statistics) with around 300 active students, Aalto University, 2021.
- Primary lecturer for the second half of Johdatus Yliopistomatematiikkaan (Introduction to University Mathematics) with around 500 active students, University of Helsinki, 2019.
- Teaching assistant at the University of Helsinki: Number Theory (2008), Number Theory (2009), Partial Differential Equations (2011), Functional Analysis (2020).

Awards and honours

- 2023, China Top Cited Paper Award 2023 in Mathematical Sciences, IOP Publishing.
- 2021, Aalto University Department of Mathematics and Systems Analysis biannual teaching prize.
- 2013, Rolf Nevanlinna Research Foundation's award for the best thesis in mathematics in Finland in 2013.
- 2013, Doctoral thesis approved with distinction
- 2006, Full score in the mathematics exam at matriculation, stipend by The Federation of Finnish Technology Industries.

Other key academic merits, such as

- Associate/handling editor for Mathematica Scandinavica (since 2024).
- Editor for Communications on Analysis and Computation (since 2023).
- Refereeing (24 total): Afrika Matematika (1 time), Communications in Mathematical Research (1 time), Communications in Partial Differential Equations (1 time), Communications on Pure and Applied Mathematics (1 time), Inverse Problems (1 time), Inverse Problems and Imaging (9 times), Inverse Problems in Science & Engineering (1 time), Journal of Mathematical Analysis and Applications (1 time), Mathematische Zeitschrift (1 time), Mathematica Scandinavica (1 time), Notices of the AMS (1 time), Research in the Mathematical Sciences (1

time), SIAM Journal on Applied Mathematics (1 time), SIAM Journal on Mathematical Analysis (2 times), SIAM Journal on Scientific Computing (1 time).

- MathSciNet reviews (6 total): MR4165478, MR4197330, MR4375651, MR4542446, MR4775714, MR4852015.
- Erdős number: 3 (checked 2023: Masahiro Yamamoto → Vilmos Komornik → Paul Erdős)
- Working as an organizer for several large conferences:
 - Organizer, Inverse Days (Lappeenranta-Lahti University of Technology LUT, 11–15 December 2023).
 - Local organizer, Function spaces, Differential Operators and Nonlinear Analysis (University of Helsinki, 25–29 August 2008).
 - Local organizer, Trilateral workshop on Inverse Problems (University of Helsinki, 4–5 March 2010).
 - Local organizer, Inverse Days 2011 and Finnish-Japanese-Korean workshop on inverse problems (University of Helsinki, 13–16 December 2011).

Scientific and societal impact

- Main developer of the FAME Flagship's event Code of Conduct (2024).
- Finnish translation of the Women in Mathematics poster by EWM Netherlands (2023).

Other