CURRICULUM VITAE–ALESSIO BARBIERI

Name. Alessio Barbieri

Email.

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SCIENTIFIC PROFILES

- ORCID: https://orcid.org/0000-0003-3737-085X
- Web of Science Researcher ID: MHQ-0041-2025
- Research Gate: Alessio Barbieri

EDUCATION

- Ph.D. Mathematics and Modeling cum Laude, Università degli Studi dell'Aquila, Italy, Advisor: Prof. Klaus–Jochen Engel. Thesis: *On Structured Perturbations of Positive Semigroups*, defense date: 20/02/2025. Full–text available.
- SMI, Scuola Matematica Interuniversitaria: 2021, Università degli Studi di Perugia, Functional Analysis: A+, Complex Analysis: A. (see here)
- Master's Degree in Mathematics cum Laude and distinction: 2021, Università degli Studi di Perugia, Italy.
- Bachelor's Degree in Mathematics cum Laude: 2018, Università degli Studi di Perugia, Italy.
- High school diploma: 2014, Liceo Scientifico Galeazzo Alessi, Perugia (PG), Italy, 100/100 e Lode.

LANGUAGE SKILLS

- Italian: Native Speaker
- English: B2 Level
- French: B2 Level

TEACHING EXPERIENCE

- Academic year 2024–2025: course responsible for "Matematica" for Bachelor's Degree in Environmental and Natural Sciences, Department of Environmental and Biological Sciences, Università della Tuscia (72 hours)
- Academic year 2024–2025: course responsible for "Pre–Corso di Analisi Matematica", Universitas Mercatorum (30 hours)
- Fall 2024: "Corso OFA" in Mathematics, Department of Environmental and Biological Sciences, Università della Tuscia (24+5 hours)
- Fall 2023: Tutor for the Course "Analisi Matematica 1", Bachelor's Degree in Information Engineering, Università degli Studi dell'Aquila (30 hours)
- Fall 2022: Tutor for the Course "Analisi Matematica 1", Bachelor's Degree in Information Engineering, Università degli Studi dell'Aquila (30 hours)

- Fall 2018: Tutor for the Course "Analisi Matematica I", Bachelor's Degree in Mathematics, Università degli Studi di Perugia (18 hours)

RESEARCH INTERESTS

- Semigroup Theory
- Operator Theory
- Functional Analysis
- Evolution Equations
- Control Systems

SCHOOLS AND ATTENDED CONFERENCES

- *Evolution Equations and Semigroups*, on the occasion of A. Rhandi's 60th birthday, University of Salerno, February 26-28, 2025
- *3 Days on Evolution Equations*, Agropoli (SA), September 2-4, 2024
- *II Meeting UMI for Doctoral Students*, Napoli, June 13-14, 2024
- *Summer School on Positive Operator Semigroups*, Budapest, September 3-8, 2023
- *International Conference on Partial Differential Equations and Applications in honour of the 70th birthday of Pierangelo Marcati*, GSSI, L'Aquila, June 19-23, 2023
- *School-Workshop on Analysis, Control and Inverse Problems for Diffusive Systems with Application to Natural and Social Sciences*, Università degli Studi di Bari Aldo Moro, July 18-23, 2022
- *100 years of UMI and 800 years of Università di Padova*, Università degli Studi di Padova, May 23-25, 2022
- *Riemann Prize Week*, Villa Toepliz, Università dell'Insubria, Varese, September 19-23, 2021

INVITED TALKS

- *On Structured Perturbations of Positive Semigroups*, 13th Euro–Maghrebian Workshop on Evolution Equations, Castro–Urdiales, September 23rd–27th 2024,
- *Well–Posedness of Evolution Equations: from Euler to Perturbation Theory for Strongly Continuous Semigroups*, YmcAq Seminars, Università dell'Aquila, May 9th 2024

PUBLICATIONS

1) A. Barbieri, K.-J. Engel, *Perturbations of positive semigroups factorized via AM- and AL-spaces*, Journal of Evolution Equations 25(25), 2025, DOI: 10.1007/s00028-024-01049-3.
2) A. Barbieri, K.-J. Engel, *On structured perturbations of positive semigroups*, preprint 2024, DOI: 10.48550/arXiv.2405.18947.
3) A. Barbieri, E. Vitillaro, *The damped wave equation with acoustic boundary conditions and non-locally reacting surfaces*, Semigroup Forum 105(4): 1-34, 2022, DOI: 10.1007/s00233-022-10319-w.