

Valentina Bernabè

PhD Candidate in Mathematics Education

UNIMORE – University of Modena and Reggio Emilia · UNIFE – University of Ferrara

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[ResearchGate](#)

Date of birth: 26/10/1999 · Nationality: Italian · Gender: Female

Research areas: inclusive mathematics education, visual impairment, instrumental genesis, assessment for inclusion, digital technologies.

ACADEMIC POSITIONS AND EDUCATION

01/11/2025 – present

PhD Programme

Mathematics Education

UNIMORE – University of Modena and Reggio Emilia · UNIFE – University of Ferrara

Supervisor: Federica Ferretti · Co-supervisor: Andrea Maffia

01/09/2026 – present

Subject Expert (Cultrice della materia)

University of Ferrara

Academic discipline MATH/01b

10/2022 – 07/2024

Master's Degree in Mathematics (LM-40) – 110/110 cum laude

University of Bologna, Department of Mathematics · Piazza di Porta S. Donato 5, 40126 Bologna (BO), Italy

Teaching track

Thesis: “Instrumental genesis in the study of linear algebra: an experimental analysis involving visually impaired participants” (Master's Thesis Merit Award)

Supervisor: Andrea Maffia

09/2018 – 12/2022

Bachelor's Degree in Mathematics (L-35) – 91/110

University of Bologna, Department of Mathematics · Piazza di Porta S. Donato 5, 40126 Bologna (BO), Italy

Thesis: “Fourier transform and Cayley graphs of finite abelian groups”

Supervisor: Marta Morigi

09/2013 – 07/2018

Upper Secondary School Diploma – 100/100

Liceo Giulio Cesare – Manara Valgimigli · Vicolo Montironi 19, 47921 Rimini (RN), Italy

Human Sciences programme

SCIENTIFIC PUBLICATIONS

Journal articles

Bernabè, V., Cibien, M. C., Ferretti, F., Monica, S. (2026). Counting squares or measuring length? Mathematics Teachers' hermeneutical competence. *La matematica e la sua didattica*.

Conference proceedings

Bernabè, V. (2026). Instrumental genesis in linear algebra: A case study of a student with visual impairment. In *Proceedings of PME 49, Helsinki*.

Bernabè, V., & Maffia, A. (in press). Asynchronous discourse between a professor and a visually impaired student discussing mathematics written in LaTeX. In *Proceedings of MEDA 5 – Mathematics Education in the Digital Age, Linz, Austria*.

CONFERENCES, SEMINARS AND WORKSHOPS

Speaker

2026	“PME 49”, Annual Conference of the International Group for the Psychology of Mathematics Education (Helsinki) · <i>Speaker</i>
2026	Seminar for faculty of the Degree Programme in Mathematics: “Mathematics and visual impairment: experiences, good practices and perspectives” (Ferrara) · <i>Speaker</i>
2026	Seminar for faculty of the Degree Programme in Mathematics: “Reflections on teaching mathematics in the presence of visual impairment” (Ferrara) · <i>Speaker</i>
2026	Shaping the Future of Digital Education (Turin) · <i>Speaker at two invited talks</i>
2025	SeMa – Sensing Mathematics (Aosta) · <i>Speaker</i>
2025	SeMa – Sensing Mathematics (Turin) · <i>Speaker</i>

Participation and organization

2026	YESS14, summer school for young researchers organized by ERME (Utrecht) · <i>Participant</i>
2026	10th Winter Doctoral School in Mathematics Education organized by AIRDM (Cagliari) · <i>Participant</i>
2026	“Mathematics and active citizenship: theoretical tools and teaching practices to address social and environmental challenges” (Bologna) · <i>Participant</i>
2026	“Anthropology and Mathematics of kolam” (Turin) · <i>Participant</i>
2026	“Theoretical models to study teachers working in collaboration” (Turin) · <i>Participant</i>
2026	“SCHOOL IS ONE. Vertical continuity in schooling: the voices of teachers and researchers” (Bologna) · <i>Organizer and participant</i>
2026	42nd National Research Seminar in Mathematics Education “Giovanni Prodi” (Rimini) and Young Researchers Seminar · <i>Participant</i>
2026	“Lenart Spheres” (Ferrara) · <i>Participant</i>
2026	4th Winter Doctoral School in Mathematics Education organized by AIRDM (Bari) · <i>Participant</i>
2026	“Assessment for improvement: the formative value of errors” (Ferrara) · <i>Organizer and participant</i>
2025	39th National Conference “Incontri con la Matematica” (Castel San Pietro) · <i>Organizer and participant</i>
2024	38th National Conference “Incontri con la Matematica” (Castel San Pietro) · <i>Participant</i>
2024	40th anniversary of the Mathematics Education Research Unit (Bologna) · <i>Participant</i>
2023	SeMa – Sensing Mathematics (Turin) · <i>Participant</i>
2023	Inclusive mathematics education based on digital learning (Bologna) · <i>Participant</i>
2023	The history of mathematics in the classroom (Urbino) · <i>Participant</i>
2017	The Future of Science (Venice), world conference organized by Fondazione Umberto Veronesi · <i>Participant</i>

UNIVERSITY TEACHING AND TUTORING

04/2026 – 09/2026

Teaching Tutor · Special Educational Needs (SEN) Tutor
University of Ferrara

01/02/2024 – 31/05/2024

Academic Tutor – curricular internship
Alma Mater Studiorum – University of Bologna
Teaching tutor for the “Basic Mathematics” course in the Primary Teacher Education degree programme

AWARDS AND HONORS

06/03/2026

Master’s Thesis Merit Award
Recipient of the Master’s Thesis Merit Award for the thesis
“Instrumental genesis in the study of linear algebra: an experimental analysis involving visually impaired participants”
Academic year 2023/2024

AFFILIATIONS AND RESEARCH GROUPS

30/05/2026 – present

Member of the N.D.R. – Mathematics Education Research Unit
Department of Mathematics, University of Bologna · Piazza di Porta San Donato 5, 40126 Bologna, Italy

OTHER PROFESSIONAL EXPERIENCE

01/09/2024 – 31/10/2025

IT Technician
APPC – Organizational Performance Unit · Alma Mater Studiorum – University of Bologna
(currently on leave)

21/06/2019 – 31/07/2023

Sales Assistant
ALBA S.r.l., Yuri Gagarin · Pesaro (PU), Italy

LANGUAGES AND SKILLS

- Native language: Italian
- English: C1 (IELTS). Comprehension (listening and reading): advanced user; spoken interaction, spoken production and written production: independent user.
- Communication: experience in customer service, public speaking and science communication; liaison between students and faculty developed through service as a student representative on university governing bodies.
- Organization and management: ability to work independently and meet deadlines; activity planning and administrative procedures; teamwork and group coordination developed also through student associations.
- Inclusive teaching: design of teaching activities for students with visual impairment, developed through experimental research for the Master’s thesis and participation in relevant seminars.
- Digital skills / software: LaTeX, Python, MATLAB

PERSONAL DATA

I authorize the processing of my personal data in accordance with Italian Legislative Decree 30 June 2003, No. 196, “Personal Data Protection Code”.