Enzo Vitillaro
Curriculum Vitae

Department of Mathematics and Computer Science
University of Perugia
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Academic Positions

2001–present	**Associate Professor (MAT/05)**, *University of Perugia*
2003	**Visiting Associate Professor**, *University of Tennessee, Knoxville (USA)*
1992–01	**Researcher (A02A)**, *University of Perugia*

Research Areas

Evolution partial differential equations modelling physical phenomena; dynamic and acoustic boundary conditions; well-posedness and ill-posedness, both local and global; blow-up phenomena and asymptotic behaviour.

Education

1990–1992	**PhD in Mathematics**, *Scuola Normale Superiore, Pisa*, (not completed due to appointment as University Researcher)
1985–1989	**Laurea in Mathematics**, *University of Perugia*, 110/110 cum laude, Advisor: Domenico Candeloro; Thesis: Invariant measures for expansive transformations
1980–1985	**Scientific High School Diploma**, *Liceo Scientifico "G. Alessi", Perugia*, 60/60

Scientific Recognitions

2018	***National Scientific Qualification as Full Professor***, *Field MAT/05 – Mathematical Analysis*
2013	***National Scientific Qualification as Full Professor***, *Field MAT/05 – Mathematical Analysis*
2001	***Winner of the competition for Associate Professor***, *University of Modena*
2001	***CNR Short Mission Grant***, *School of Mathematics, University of Minnesota, USA*
1998	***CNR Short Mission Grant***, *Institute for Mathematics and its Applications, University of Minnesota, USA*, (not used due to bereavement)
1997	***CNR Short Mission Grant***, *Institute for Mathematics and its Applications, University of Minnesota, USA*
1992	***Winner of the competition for University Researcher***, *University of Perugia*
1990	***Winner of the competition for PhD Position***, *Scuola Normale Superiore, Pisa*
1989	***CNR Scholarship for Young Researchers***, *National Research Council of Italy*

Research Impact

G. Scholar	Publications 45; Citations 1449; H-Index 16; i10-Index 21
Math. Rev.	Id 326765; Total Publications 40; Total Citations 824 in 552 publications; Unique Citing Authors 558
WOS	ID B-2287-2013; Publications 31; Citing Articles 614; Citing Articles without self-citations 591; Times Cited 825; Times Cited Without self-citations 750; Average citations per item 26.61; H-Index 12
Scopus	ID 6602377016; Publications 32; Times Cited 895; Times Cited Without self-citations 822.

Research Visits in Foreign Universities

2023	***Mathematisches Institut***, *Albert-Ludwigs-Universität, Freiburg, Germany*
2008	***Departamento de Matemáticas***, *Universidad Autónoma de Madrid, Spain*
2006	***Departamento de Matemáticas***, *Universidad Autónoma de Madrid, Spain*
2004	***Departamento de Matemáticas***, *Universidad Autónoma de Madrid, Spain*
2003	***Departamento de Matemáticas***, *Universidad Autónoma de Madrid, Spain*
2003	***Department of Mathematics***, *University of Tennessee, Knoxville, USA*
2002	***Departamento de Matemáticas***, *Universidad Autónoma de Madrid, Spain*

2001	**Department of Mathematical Sciences**, *University of Wisconsin–Milwaukee, USA*
2001	**School of Mathematics**, *University of Minnesota, USA*
1999	**School of Mathematics**, *University of Minnesota, USA*
1999	**Bulgarian Academy of Sciences**, *Sofia, Bulgaria*
1997	**Institute for Mathematics and its Applications**, *University of Minnesota, USA*

Main Invited Conferences

2024	**AIMS – Hyperbolic PDEs**, *New York University Abu Dhabi, United Arab Emirates*
2024	**AIMS – Evolutionary Equation Systems**, *New York University Abu Dhabi, United Arab Emirates*
2023	**Geometric Aspects of Evolution and Control**, *FernUniversität in Hagen, Germany*
2023	**Mathematisches Institut – Applied Mathematics Division, Albert-Ludwigs-Universität Freiburg**, *Freiburg, Germany*
2021	**Forschungsseminars Analysis, FernUniversität in Hagen**, *Hagen, Germany*
2023	**Analysis and PDEs – 65th birthday of V. Rădulescu**, *University of Insubria, Varese, Italy*
2017	**Departamento de Matemáticas, Universidad Carlos III de Madrid**, *Madrid, Spain*
2014	**Neuvièmes Journées EDP**, *Université de Lille, France*
2014	**AIMS – Nonlinear PDE Systems**, *Universidad Complutense de Madrid, Spain*
2014	**AIMS – Nonlinear Evolution Equations**, *Universidad Complutense de Madrid, Spain*
2010	**AIMS – Nonlinear Evolutionary PDEs**, *Technische Universität Dresden, Germany*
2008	**Jornada de Ecuaciones en Derivadas Parciales**, *Universidad Autónoma de Madrid, Spain*
2007	**UMI–DMV Joint International Meeting**, *University of Perugia, Italy*
2006	**AIMS – Nonlinear Elliptic and Parabolic Problems**, *Université de Poitiers, France*
2006	**AIMS – Semigroups and Evolution Equations**, *Université de Poitiers, France*
2006	**Euro-Japanese Workshop on Blow-up**, *Universidad Complutense de Madrid (El Escorial), Spain*
2005	**Equadiff 11 – Qualitative properties of solutions to PDEs**, *Comenius University, Bratislava, Slovakia*
2004	**Nonlinear Elliptic and Parabolic Problems: A Special Tribute to the Work of Herbert Amann**, *Zurich, Switzerland*
2002	**Departamento de Matemáticas, Universidad Autónoma de Madrid**, *Madrid, Spain*
1999	**Mini-meeting on Nonlinear Differential Equations**, *University of Minnesota, USA*
1999	**Bulgarian Academy of Sciences**, *Sofia, Bulgaria*
1998	**Delft Meeting on Functional Analysis and Partial Differential Equations**, *Delft, The Netherlands*
1997	**International Conference on Differential Equations and Dynamical Systems**, *University of Waterloo, Canada*

Organization of Scientific Conferences

2024	**Two Nonlinear Days**, *Perugia*
2022	**Recent and New Perspectives in Nonlinear Analysis on the Occasion of the Retirement of Patrizia Pucci**, *Urbino*
2012	**Workshop on Nonlinear Partial Differential Equations on the Occasion of the 60th Birthday of Patrizia Pucci**, *Perugia*
2008	**International Workshop on Partial Differential Equations for the 80th Birthday of James Serrin**, *Perugia*
2000	**Nonlinear Analysis**, *Perugia*

Main Research Projects

Coordination

2023–2026	*Advanced Theoretical Aspects in PDEs and Their Applications*, MUR – PRIN 2022, Perugia Unit.
2010	*Evolution Problems and Dynamical Boundary Conditions*, GNAMPA.

Participation

2014–2017	*Variational and perturbative aspects in nonlinear differential problems*, PRIN 2012.

2011–2013	Variational Methods and Nonlinear PDEs, PRIN 2009.
2007–2009	Quasilinear Elliptic Problems, PRIN 2006.
2004–2006	Quasilinear Elliptic Problems, PRIN 2004.
2000–2002	Quasilinear elliptic problems, PRIN 2000.
1998–2001	Uniqueness and symmetry for quasilinear elliptic equations, PRIN 1998.

Selected Papers

1. D. Mugnolo and E. Vitillaro. The wave equation with acoustic boundary conditions on non-locally reacting surfaces. *Mem. Amer. Math. Soc.*, 303(1526):vi+102, 2024.
2. E. Vitillaro. Three evolution problems modelling the interaction between acoustic waves and non–locally reacting surfaces. *J. Evol. Equ.*, 24(41):1–51, 2024.
3. E. Vitillaro. On the wave equation with hyperbolic dynamical boundary conditions, interior and boundary damping and supercritical sources. *J. Differential Equations*, 265(10):4873–4941, 2018.
4. E. Vitillaro. On the wave equation with hyperbolic dynamical boundary conditions, interior and boundary damping and source. *Arch. Ration. Mech. Anal.*, 223(3):1183–1237, 2017.
5. J. L. Vázquez and E. Vitillaro. Heat equation with dynamical boundary conditions of reactive–diffusive type. *J. Differential Equations*, 250(4):2143–2161, 2011.
6. J. L. Vázquez and E. Vitillaro. Heat equation with dynamical boundary conditions of reactive type. *Comm. Partial Differential Equations*, 33(4–6):561–612, 2008.
7. E. Vitillaro. On the Laplace equation with non-linear dynamical boundary conditions. *Proc. London Math. Soc.*, 93(2):418–446, 2006.
8. E. Vitillaro. Global existence for the wave equation with nonlinear boundary damping and source terms. *J. Differential Equations*, 186(1):259–298, 2002.
9. E. Vitillaro. Global nonexistence theorems for a class of evolution equations with dissipation and application. *Arch. Ration. Mech. Anal.*, 149:155–182, 1999.
10. A. Ambrosetti, K. Tanaka, and E. Vitillaro. Periodic solutions with prescribed energy for some keplerian N-body problems. *Ann. Inst. H. Poincaré Anal. Non Linéaire*, 11(6):613–632, 1994.

Editorial Activity

2025–present	**Advances in Nonlinear Analysis**, *Editorial Board Member*, De Gruyter
2018–present	**Annals of the University of Craiova, Mathematics and Computer Sciences Series**, *Editorial Board Member*
2000–present	**Referee**, *for dozens of international journals, including:*, Advances in Differential Equations; Advanced Nonlinear Studies; Asymptotic Analysis; Calculus of Variations and PDE; Communications in PDE; Comptes Rendus Mathématique; Differential and Integral Equations; Journal de Mathématiques Pures et Appliquées; Journal of Differential Equations; Journal of Functional Analysis; Journal of Mathematical Analysis and Applications; Mathematical Models and Methods in Applied Sciences; Mathematische Nachrichten; NoDEA; Nonlinear Analysis; Proceedings RSE–A; SIAM J. Math. Analysis; SIAM J. Control and Optimization; Transactions AMS; ZAMP
1997–2018	***Reviewer***, *Mathematical Reviews (MathSciNet)*

Teaching Activity – University of Perugia

Courses Taught

2024-25	**Applied Functional Analysis (in English)**, *Master's Degree in Mathematics*
2022–24	**Functional Analysis**, *Master's Degree in Mathematics*
2017–18	**Mathematical Methods for Economics (in English)**, *Master's Degree in Mathematics*
2016–22	**Applied Functional Analysis**, *Master's Degree in Mathematics*
2011–13	**Elements of Mathematics**, *Bachelor's Degree in Civil Protection*
2007–25	**Mathematical Analysis II**, *Bachelor's Degree in Physics*
2004–05	**Mathematical Analysis B**, *Bachelor's Degree in Physics*
2003–16	**Mathematical Analysis VI**, *Master's Degree in Mathematics*
2002–07	**Mathematical Methods for Economics**, *Master's Degrees in Mathematics and Applied Mathematics*
2001–07	**Mathematical Analysis C**, *Bachelor's Degree in Physics*
2001–02	**Mathematical Analysis I and II**, *Degree in Chemistry*
2000–01	**Advanced Analysis**, *Degree in Mathematics*

1999–2001	**Foundations of Mathematics II**, *Degree in Chemistry*
1996–99	**Foundations of Mathematics**, *Degree in Natural Sciences*
1995–96	**Mathematical Analysis II**, *Diploma in Computer Science*

Exercise Sessions and Tutoring

1992–97	**Mathematical Analysis I and II**, *Degrees in Mathematics and Physics*, alternate years

Thesis Supervision

1994–	**Supervisor of 12 Master's Theses**, *and 5 Bachelor's Theses*, in Mathematics

Examination Committees

2001-22	**Permanent Member of Master's Degree Examination Committees in Mathematics**
1992–present	**Permanent Member of Examination Committees for Mathematical Analysis I–II–III–IV–V–VI (also with Arabic numbering), Functional Analysis, Applied Functional Analysis, and Applied Functional Analysis (in English) for the Mathematics Degree Programmes**

Teaching Activity Abroad – University of Tennessee, Knoxville (USA)

2002–03	**Calculus I (in English)**, *Department of Mathematics*, two sections

Academic Service – University of Perugia

2019–present	**Institutional Research and VQR Committee**, *Department of Mathematics and Computer Science*, Member
2017–2019	**Joint Teaching Committee**, *Department of Mathematics and Computer Science*, Coordinator
2016–2017	**Joint Teaching Committee**, *Department of Mathematics and Computer Science*, Member