

Elvira Zappale's Curriculum Vitae

General Data

Name	Elvira Zappale
Date of birth	2 August 1975
Place of birth	Salerno
Citizenship	Italian
Marital status	married (three children)
E-mail	elvira.zappale@uniroma1.it
URL:	https://www.sbai.uniroma1.it/users/zappale-elvira
Position	Associate professor
Address	Dipartimento di Scienze di Base e Applicate per l'Ingegneria Sapienza - Università di Roma via Antonio Scarpa, 16 00161, Roma
email	elvira.zappale@uniroma1.it; PEC elvira.zappake@legalmail.it
other infos	languages Italian (native speaker), English (very good), French (elementary) (caregiver Italian law 104/92)

Bibliographic identities

- ORCID 0000-0001-7419-300X
- Researcher ID G-8722-2015
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- MR Author ID 710816
- Web of Science Researcher ID X-7722-2019

Research interests

Calculus of Variations
Homogenization
Thin Structures
Integral representation
Supremal representation
Structured Deformations
Functions with Generalized Total Variation
Constrained Optimization
Applications to imaging and continuum mechanics
Nonlocal problems
Convex Analysis

Studies and Italian scientific qualification

Laurea in Matematica	16/7/1997	Università di Salerno	vecchio ordinamento (cum laude)
Ph.D (legal duration of studies:4 years)	29/1/2002	Università di Napoli 'Federico II'	Ph.D in Mathematics, with fellowship based on competition
Abilitazione Scientifica Nazionale	05/2013	MIUR	Associate professor in SC 01/A3 (Analisi Matematica, Probabilità e Statistica Matematica) (SSD MAT/05 - Analisi Matematica)
Abilitazione Scientifica Nazionale	7/7/2021	MIUR	Full professor of SC 01/A3 (Analisi Matematica, Probabilità e Statistica Matematica) (SSD MAT/05 - Analisi Matematica, now MATH 03/A)

Academic Positions

Period	Institution	Description
Actuto position From 2/11/2020	Sapienza - Università di Roma	<i>Associate Professor</i> - SSD MAT/05 - Analisi Matematica Dipartimento di Scienze di Base e Applicate per l'Ingegneria ¹
From 1/1/2004 to 1/11/2020	Università di Salerno	<i>Permanent researcher</i> - Settore scientifico-disciplinare MAT/05 now converted in 01 MATH/03-A - Analisi Matematica
From 1/11/2001 to 31/12/2003	Università di Salerno	Research fellowship at Dipartimento di Ingegneria dell' Informazione e Matematica Applicata SSD MAT/05.
From 25/9/2000 to 10/6/2001	Carnegie Mellon University	Research Scholar at Center for Nonlinear Analysis.
From 1/11/1997 to 31/10/2001	Università di Napoli 'Federico II'	Ph. D student.
From 7/1997 to 9/1997	Università di Napoli 'Federico II'	Research fellowship for Trimestre Intensivo INdAM.

Other Positions

- 6/1999 -7/1999 External Member of the committee for Italian 'Esame di Maturità' (disciplines: Mathematics and Physics) at liceo classico Marco Gtodi di Cava de' Tirreni (SA)
- From 1/9/2001 to 31/12/2003 High school professor for Mathematics and Physics (permanent position obtained on the basis of a nationto competition) at Istituto Magistrtoe 'F. De Filippis' Cava de' Tirreni (SA).
- From 1/11/2009 to 31/10/2010 Member of the Group CISIA to implement tests for the access Undergraduate courses of Engineering and Architecture (CISIA, University of Pisa).

Other referee's activities for projects and research evtouation

¹Facoltà di Ingegneria Civile ed Industriale

- 2025 : Referee for Institute of Mathematics of the Polish Academy of Sciences to evaluate research projects.
- 2020: Referee for Italian Agency of Evaluation of Research centers and University - ANVUR (2015-2019).
- 2018: Referee for the Ministry of University and Research MIUR for Research projects in Mathematics at in Regione Sardegna.
- 2018 Referee for the Ministry of University and Research MIUR for Research projects REPRISSE.
- 2016 Referee for the Ministry of University and Research MIUR for Research projects SIR/Futuro in Ricerca.
- 2016 Referee for the Ministry of University and Research MIUR for Research projects PRIN.

Divulagation activities

- 31/8/2013 Speaker at the summer school of Libera (Associazioni, Nomi e Numeri contro le Mafie), Giffoni (SA): 'La Matematica quale strumento utile per prevenire le azzardopatie e l'indebitamento patologico'
- June 2016: Invited Speaker at the conference OCSE-PISA at Sannio University, Benevento, Italy.
- Since 2016: dissemination activities in high schools to prevent with mathematics knowledge the bad effects of gambling.
- 17/3/2017 Speaker at the conference 'Ludopatie' at Istituto Guacci, Benevento, Italy.
- a.y. 2017/2018: P.I. of the INdAM project 'MathForLife' for Dissemination activity.
- From 10/10/2018 to 12/10/2018 speaker at the conference 'Tre giorni per la scuola, Città della Scienza, Napoli – Esperienze del progetto 'MathForLife'.
- May 2017: Participant as expositor at the event 'Futuro Remoto' for the Project 'MathForLife', Futuro Remoto Piazza del Plebiscito, Napoli.
- November 2018 Participant as expositor of the 'gambling game' 'MathForLife' at the event Futuro Remoto, Città della Scienza, Napoli.
- a.y. 2021-2022: P.I. of the INdAM project ' (Non) azzardiamo con la matematica'.
- since 2021 teacher of PCTO courses at Sapienza- University of Rome, related to the Project 'Non azzardiamo con la Matematica'.
- 16/11/2022: co-organizer of the conference '(Non) Azzardiamo con la Matematica'. Sapienza-Università di Roma.
- 12/12/2024: Speaker at the conference ' Scacco Matto al Gioco d'Azzardo' at Sala Consiliare Municipality of Castel San Giorgio.
- 12/12/2024: Interview for Telenuova TV about dissemination activities related to Math and Gambling.

Other academic activities

- 2006: Member of the Committee for 1 position of technician (Posto Tecnico Laureato cat. D) at Università di Salerno.
- 2007: Member of the committee for an 'Assegno di Ricerca' SSD MAT/05 (Post Doc position in Mathematical Analysis) at Università di Salerno
- From 17/2/2012: 'Investigator'- Fundação para a Ciência e a Tecnologia, Ministerio da Educação e Ciência, Portugal.
- From 12/3/2012 to 11/12/2014: External collaborator of CIMA Research Center (Centro de Investigação em Matemática e Aplicações) dell'Universidade de Evora, Portugal.
- From 1/11/2012 to 31/10/2013: member of Ph.D in Mathematics council at Universidade de Evora, Portugal.
- From 2015 to 2019: External member of CIMA Research Center at Universidade de Evora, Portugal.
- From 2021: Ph.D investigator of CIMA Research Center at Universidade de Evora, Portugal
- 2021 Member of the committee for a Research position in Mathematical Analysis (Assegno di Ricerca (SSD MAT/05)) at Politecnico di Torino
- 2022: member of the committee for the a researcher position in Mathematical Analysis (RTDA) at Politecnico di Torino.
- 2021: member of the committee for the final exam for the Ph.D in Mathematics at Department of Mathematics Banach, at Warsaw University.
- July 2022: member of the committee for the selection of non permanent lecturers of Mathematical Analysis for undergraduate courses at Sapienza-University of Rome.
- July 2023: member of the selection committee for the Ph.D positions in 'MODELLI-MATEMATICI-PER-LINGEGNERIA-ELETTROMAGNETISMO-E-NANOSCIENZE' at Dipartimento di Scienze di Base ed Applicate at Sapienza-University of Rome.
- February 2024: External member of the committee for the extension of a position of researcher in Mathematical Analysis RTDA (01/MATH/03-A) at University of Napoli 'Federico II'- dott. Riccardo Durastanti.
- June-July 2024: External member for the Ph.D (in Mathematics) defense of doct. Hidde Shoenberger at Catholic university of Eichstatt-Ingolstadt, Germany.
- June-September 2024: External reviewer at University of Vienna for the habilitation as a professor of doct. Wojciech Górný.
- 2025: Member of the committee for an 'Assegno di Ricerca' SSD MATH/03-A (Post Doc position in Mathematical Analysis) at Sapienza- University of Rome.

Didactical (and supervision) activities

- From 1/1/2004: responsibility of courses in MATH/03 A (previously MAT/05) at Engineering faculties of Universities of Salerno and Roma 'La Sapienza', average of 140 hours per year.

- 2010-2011: 2 Ph.D courses: 'Uno sguardo tola Γ -Convergenza I' and 'Uno sguardo tola Γ -Convergenza I' in favor of the students of the Ph.D program in Mathematics of Università di Salerno.
- 2012-2013: Ph. D course 'Analisi Convessa' in favor of the graduate students of Dottorato di Ricerca di Matematica - at University of Salerno.
- 2018 Ph.D course 'Lower semicontinuity of variational energies: an overview on integral and supremal functionals' for graduate students - Universidade Nova de Lisbon.
- 2023: Ph.D course 'Convexity notions arising in the supremal setting' in favor of the Ph.D students of the program 'Modelli Matematici per l'ingegneria, l'elettromagnetismo e le nanoscienze' at Sapienza- Università di Roma.
- Supervisors of Ph.D students: Piotr Kozarzewski, with PhD obtained in 2021 at University of Warsaw (supervised together with Prof. Agnieszka Ktoamajiska), and (ongoing) Giacomo Bertazzoni at Università di Modena and Reggio Emilia (together with Michela Eleuteri); post doc (Joel Fotso Tachago) in 2018, and master student Gabriel Carvalho at IST of Lisbon, (supervised together with Professor José Matias) in 2023/2024.
- Since 2020: Lecturer for third mission (PCTO) courses, offered by Sapienza, Università di Roma.
- Member of the Ph.D program in Mathematics at Universidade de Evora from 2012 to 2013.
- Member of the Ph.D. program in Industrial Engineering at University of Salerno from 2020 to 2023.

Referee for

- Asymptotic Analysis,
- SIAM Journal on Applied Analysis,
- Communications in Contemporary Mathematics,
- Communications on Pure and Applied Analysis,
- Nonlinear Analysis,
- Journal of Elasticity,
- SIAM Journal on Mathematical Analysis,
- IMSE book series,
- Mathematical Models and Methods in the Applied Sciences,
- Mathematics and Mechanics of Complex Systems,
- Journal of Optimization Theory and Applications,
- Function Spaces XII (Banach Center Publications),
- Networks and Heterogeneous Media,
- Journal of Computationto and Applied Mathematics,
- Vietnam Journal of Mathematics,

- BCAM Springer Series,
 - Advances in Calculus of Variations,
 - Proceedings of the Royal Society of Edinburgh,
 - Communications in Analysis and Mechanics,
 - Portugaliae Mathematicae,
 - Discrete and Continuous Dynamical Systems
 - SIAM journal on Control and Optimization.
- Reviewer for
- Mathematical Reviews (MATHSCINET)
 - ZENTRALBLATT.

Invited Seminars

Day	Subject	Institution
July 2006	Relaxation of integral functionals in presence of pointwise gradient constraints	Instituto Superior Tecnico, Lisbona.
July 2010	Dimensional reduction for supremal functionals	Instituto Superior Tecnico, Lisbona.
February 2011	Results on the mathematical modeling of thin structures: the case of $-\Delta_1$	Dipartimento di Matematica dell'Universidade de Evora.
July 2012	Dimensional reduction for supremal functionals: the case of convex domains	Dipartimento di Matematica dell'Universidade de Evora.
March 2014	Junction problems for thin multistructures	Dipartimento di Matematica dell'Universidade Nova de Lisboa.
May 2014	Existence of minimizers for nonlevel convex supremal functionals	Carnegie Mellon University.
July 2014	Some sufficient conditions for lower semicontinuity in SBD for surface integrals	Dipartimento di Matematica dell'Universidade de Evora.
November 2015	Equilibrium and Euler-Lagrange equation for hyperelastic materials	SISSA, Trieste.
June 2016	Equilibrium and Euler-Lagrange equation for hyperelastic materials	Dipartimento di Matematica dell'Universidade de Lisboa.
July 2016	Optimto design problems in <i>SBD</i>	Dipartimento di Matematica dell'Università di Varsavia.
September 2016	Dimensional reduction problems in Sobolev-Orlicz setting	Instituto Superior Tecnico dell'Università di Lisbona.
June 2017	Optimto design problems	Dipartimento di Matematica dell'Utrecht University.
April 2018	Optimto design problems with gap	Università di Ferrara.
June 2018	Optimto design problems with gap	Technicto University Munchen.
November 2018	Structured deformations and applications	Charles University - Praga.

February 2018	Lower semicontinuity and relaxation of nonlocal L^∞ functionals	Isaac Newton Institute, Cambridge.
June 2018	Optimto design problems	Isaac Newton Institute, Cambridge.
July 2020	Optimto design problems	IST, Lisbon, Portugal, (online).
May 2021	Nonlocal supremal functionals	Universidade de Evora, Portugal, (online).
November 2022	Hierarchicto Models for Structured Deformations,	Charles University in Prague.
December 2022	Hierarchicto Models for Structured Deformations,	Università di Modena e Reggio Emilia.
November 2023	An overview on optimto design problems and applications to Structured Deformations,	Università della Campania, 'Luigi Vanvitelli'.
December 2023	An overview on optimto design problems,	University of Lisbon.
December 2023	An overview on optimto design problems and applications to thin structures.	Università di Modena e Reggio Emilia.
22 February 2024	Structured deformations	University of Lincoln, Nebraska, USA.
October 2024	Measure Vtoud Structured Deformations	Tech. Univ. of Vienna.
September 2025	Relaxation results in the space of Generalized bounded variation	University of Lisbon

Organization of seminars at University of Salerno, Sannio University (together with Professor Pasquale Avella) and Sapienza-University of Rome. List of speakeres in alphabetic order Margarida Baia, (IST Università di Lisbona), Ana Cristina Barroso (University of Lisbon), Graça Carita (Universidade de Evora), Gianni Dal Maso (SISSA), Irene Fonseca (Carnegie Mellon University), Joel Fotso Tachago, (Bamenda University), analynio Gaudiello (Università di Napoli, 'Federico II'), Agnieszka Ktoamajiska, (Università di Varsavia), Piotr Ktoita (Cracow University), Stefan Kreoemer, UTIA, Prague, Martin Kruzik UTIA, Prague, Maria Rosaria Lancia (Università di Roma 'La Sapienza'), Maria Luisa Mascarenhas (Universidade Nova de Lisboa), José Matias (IST Università di Lisbona), Marco Morandotti (Politecnico di Torino), Francesca Prinari, (University of Pisa), Marcello Ponsiglione (Sapienza- Università di Roma), Ana Margarida Ribeiro (Universidade Nova de Lisboa), Giuseppe Sottile, (Banca Etica, Napoli), Guido Sweers (University of Koln), Nicola Visciglia (Università di Pisa), Chiara Zanini (Politecnico di Torino), Hamdi Zorgati (Tunis 'El Manar' University).

Fundings for research and scientific events

- From 24/11/2009 to 31/5/2010: Responsible of funds received by GNAMPA-INdAM for the conference 'Giornata Scientifica per ricordare Riccardo De Arcangelis'.
- From 13/5/2013 to 12/5/2014: PI of the GNAMPA 2013 Project 'Funzionali supremali: esistenza di minimi e condizioni di semicontinuità nel caso vettoritoe'.
- From 1/1/2014 to 31/8/2014 Responsible of funds 'Organizzazione incontri scientifici' GNAMPA INDAM 2013.
- From 15/9/2015 to 10/12/2015: Responsible of funds GNAMPA visiting professors (Prof. Graça Carita) second semester a.y. 2014/2015.

- From 1/3/2016 to 31/10/2016: Responsible of funds GNAMPA at 'INdAM unit of Università di Salerno (Dipartimento di Matematica) finalizzato to sponsor research visti to Universities of Lisbon and Evora during a.y. 2015-2016.
- From 1/9/2016 to 31/10/2016: Responsible of funds GNAMPA-INdAM (Programma Professori Visitatori) for the research visit at 'University of Salerno of doct. Piotr Kozarzewski dell'Università di Varsavia e della Military University of Technology di Varsavia, Polonia.
- From February to July 2017: Responsible of funds GNAMPA-INdAM (Programma Professori Visitatori) for the visit at University of Salerno della Prof. Ana Cristina Barroso of 'University of Lisbon.
- First semester a.y. 2017/2018: responsible of funds GNAMPA-INdAM (Visiting Professor Program) for the visit at University of Salerno of Prof. José Matias from University of Lisbon.
- 2017: Responsible of funds at University of Salerno for the organization of the event 'IV Workshop on Thin Structures'.
- 2017: Responsible of funds at University of Salerno for the organization of the event 'IX European Conference on Elliptic and Parabolic Problems.
- 2018: Responsible of funds at University of Salerno for the conference 'UMI-SIMAI-SPM', Wrocław, 18-21 settembre 2018.
- 2019: Responsible of funds at University of Salerno for the Workshop on Calculus of Variations and Applications' Salerno, May 18 2019. <https://sites.google.com/view/cvworkshopsa/home>
- 2018: Responsible of GNAMPA funds for research visit at per UTIA Prague in November 2018.
- 2019: Responsible of GNAMPA funds in the framework of the program Visiting Professors to finance the visit of Prof. Carolin Kreisbeck at University of Salerno on February 2019.
- october-december 2018: Host professor for the program 'Research in Pairs ICTP-INdAM' at INdAM unit of University of Salerno for the research visit of prof. Joel Fotso Tachago from University of Bamenda, Cameroon.
- february-july 2019: Responsible of GNAMPA funds for visiting professors to finance the research visit of Prof. Ana Cristina Barroso from university of Lisbon.
- 2019: Responsible of GNAMPA-funds for a research visit to the conference 'Function Spaces and PDEs' in Male Ciche, Poland.
- 2020: Responsible of funds at University of Salerno to organize the conference 'Workshop on L^∞ and constrained problems' to be held from May 27 to 28, 2020. <https://sites.google.com/view/l-infty-variational-sa-2020/home>
- 2020: Responsible of GNAMPA funds for visiting professors to fund Prof. Ana Margarida Ribeiro from Universidade Nova de Lisboa.
- 2022: Responsible of Sapienza funds for visiting professors coming from dangerous countries 'Programma Professori visitatori provenienti da paesi a rischio a causa di conflitti' to host prof. Valerii Samoilenko from Taras University in Kiev (4 months.)

- 2022: Responsible of INdAM funds to host professors coming from dangerous countries (programma sportello UCRAINA) to host prof. Valerii Samoilenko from Taras University in Kiev (4 months).
- 2022: Responsible of INdAM-GNAMPA funds for the visiting prof. Ana Margarida Ribeiro (3 weeks).
- 2022: Responsible of INdAM-GNAMPA funds for the visiting professor José Matias from University of Lisbon, (1 month).
- 2023: Responsible of INdAM-GNAMPA funds for the visiting professor Stefan Kroemer from UTIA-Prague, (3 weeks).
- 2023: Responsible of INdAM GNAMPA funds for the vising professor A. C. Barroso, (10 days).
- 2023: Responsible as host professor of the funds for the program 'SAPIENZA- Visiting Professors' to finance a 3 months visit of prof. José Matias from University of Lisbon.
- May 2024: Host professor for International Mathematical Union 2023/Program for Visiting Professors- research visit of Prof. Joel Fotso Tachago at Sapienza -Università di Roma (1 month).
- May 2025: Responsible of funds GNAMPA-Visiting professor for the visit at Spaienza- University of Rome of Professor Martin Kruzik.
- May-June 2025: Host professor for Fullbright Program for Visiting Professors- research visit of Prof. José Matias at Sapienza -Università di Roma (2 months).
- February-April 2026: Host professor for CIMPA-ICTP Program for Visiting Professors- research visit of Prof. Joel Fotso Tachago at Sapienza -Università di Roma (1,5 months).

Research visits

From 25/9/2000 to 1/6/2001	Research Scholar at the Math dept. of Carnegie Mellon University.
From 1/10/2001 to 14/10/2001	Laboratoire J. L. Lions dell'Université Pierre et Marie Curie (Paris VI), funds from the project Homogenization with Multiple scales.
From 3/3/2002 to 24/3/2002	Carnegie Mellon University, invited by prof. Irene Fonseca.
From 7/8/2002 to 20/8/2002	Instituto Superior Tecnico di Lisbona.
From 28/3/2003 to 18/4/2003	Carnegie Mellon University, invited by prof. Irene Fonseca.
From 18/7/2004 to 2/8/2004	Instituto Superior Tecnico, Lisbona.
From 22/2/2005 to 12/3/2005	Center for Nonlinear Analysis, Carnegie Mellon University, invited by prof. Irene Fonseca.
From 5/6/2006 to 9/6/2006	Marie Curie Fellowship to participate in the event 'Classical and Advanced Theories of Thin Structures': Mechanical and Mathematical Aspects', CISM, UDINE.
From 2/7/2007 to 6/7/2007	Laboratoire J. L. Lions Université Pierre et Marie Curie (Paris VI), supported by CNRS.
From 5/9/2007 to 19/9/2007	Center for Nonlinear Analysis, Carnegie Mellon University, invited by Prof. Irene Fonseca.
From 15/5/2008 to 28/5/2008	Center for Nonlinear Analysis, Carnegie Mellon University, invited by prof. Irene Fonseca.

From 7/9/2008 to 12/9/2008	Universidade Nova de Lisboa invited by prof. Ana Margarida Ribeiro.
From 13/09/2008 to 19/09/2008	Laboratoire J. L. Lions Université Pierre et Marie Curie (Paris VI), supported by CNRS.
From 10/7/2010 to 20/7/2010	Universidade Nova de Lisboa by prof. Ana Ribeiro and by prof. Graça Carita (from Universidade de Evora).
From 6/2/2011 to 18/2/2011	Universidade de Evora invited by prof. Graça Carita.
From 21/7/2012 to 28/7/2012	Universidade de Evora e Nova de Lisboa invited by Prof. Ana Margarida Ribeiro (UNL) and Graça Carita (UEVORA).
From 10/12/2012 to 20/12/2012	Universidade de Evora by Prof. Graça Carita.
From 17/7/2013 to 23/7/2013	Universidade de Evora invited by prof. Graça Carita.
From 27/2/2014 to 8/3/2014	Universidade Nova de Lisboa by prof. Ana Margarida Ribeiro.
From 29/3/2014 to 10/4/2014	Center for Nonlinear Analysis at Carnegie Mellon University, invited by Prof. Irene Fonseca.
From 22/7/2014 to '1/8/2014	Instituto Superior Tecnico de Lisboa invited by Prof. J. Matias.
From 26/10/2014 to 31/10/2014	Universidade de Evora,
From 19/1/2015 to 30/1/2015	Center for Nonlinear Analysis at Carnegie Mellon University, invited by Prof. Irene Fonseca.
From 9/11/2015 to 13/11/2015	SISSA, Trieste, invited by professors Marco Morandotti and Rodica Toader.
From 12/12/2015 to 20/12/2015	Universidade de Evora (Portugal) invited by prof. Graça Carita.
From 21/1/2016 to 24/1/2016	Polish Academy of Science (Paris)
From 30/5/2016 to 7/6/2016	University of Lisbon and university of Evora - invited by Prof. Ana Cristina Barroso and rof. Graça Carita
From 6/7/2016 to 15/7/2016	Math Department at University of Warsaw.
From 22/9/2016 to 2/10/2016	Instituto Superior Tecnico, Università di Lisbona, invited by prof. José Matias .
From 24/2/2017 to 5/3/2017	University of Lisbon and Evora
From 7/6/2017 to 11/6/2017	University of Utrecht invited by prof. Carolin Kreisbeck.
4 days in april 2018	Università di Ferrara invited by rof. Francesca Prinari.
From 25/5/2018 to 5/6/2018	IST Universidade de Lisboa.
From 17/6/2018 to 26/6/2018	Technische Universitaet Muenchen (TUM).
From 18/11/2018 to 26/11/2018	Charles University and UTIA, Praga, invited by prof. Martin Kruzik.
From 12/12 2018 to 16/12/2018	Universidade Nova de Lisboa, invited by prof. Ana Margarida Ribeiro.
February 2019 (1 week)	Isaac Newton Institute for Mathematical Science, Cambridge in the framewok of the program ‘The mathematical design of new materials’ (EPSRC grant no EP/R014604/).
June 2019 (1 week)	Isaac Newton Institute for Mathematical Science, Cambridge in the framewok of the program ‘The mathematical design of new materials’ (EPSRC grant no EP/R014604/).
From 10 to 19 july 2019	Columbia University, invited by prof. Daniel Bienstock.
From 13 to 24 January 2020	Politecnico di Torino, invited by prof. Marco Morandotti.
From 23 to 27 August 2021	Università di Pisa, invited by prof. Francesca Prinari.
June 2022 (10 days)	Universidade de Lisboa, invited by prof. José Matias.
November 2022 (1 week)	UTIA and Charles University in Prague, invited by prof. Martin Kruzik.

September 2023 (5 days)	Politecnico di Torino invited by prof. M. Morandotti.
November 2023 (1 week)	Universidade de Lisboa, invited by prof. A. C. Barroso.
December 2023	Università di Modena e Reggio Emilia, invited by prof. M. Eleuteri
January 2024 (1 settimana)	Universidade de Lisboa, invited by prof. José Matias.
February 2024 (1 week)	UTIA Prague, invited by prof. Martin Kruzik.
October 2024 (1 week)	TUWien, visiting prof. E. Davoli.
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Organization of conferences and scientific events

Day	Event
18/6/2001-21/6/2001	‘International Conference on Homogenization’, Università di Napoli, ‘Federico II’.
23/6/2001- 27/6/2001	‘International School on Homogenization’, at Università di Napoli ‘Federico II’.
15/9/2005-17/9/2005	‘First Workshop on Thin Structures’, Napoli.
22/5/2006-26/5/2006	Minisymposium on ‘Fracture Mechanics’ at Congresso SIMAI 2006, Baia Samuele (Ragusa).
9/9/2010-11/9/2010	‘Second Workshop on Thin Structures’, Napoli.
6/5/2011-7/5/2011	‘International Conference on the occasion of Zhikov’s 70th birthday’, Napoli.
12/9/2011-15/9/2011	Minisymposium at XX Convegno AIMETA, Bologna.
25/6/2012-28/6/2012	Minisymposium ‘variational models for Problems in Applied Science’ at Convegno SIMAI 2012, Torino.
1/5/2013-5/5/2013	Minisymposium at ‘International Workshop ‘Multiscale Modeling and Characterization of Innovative Materials and Structures’, Cetara (Salerno).
5/9/2013-7/9/2013	‘Third Workshop on Thin Structures’, Napoli.
26/5/2014-30/5/2014	Minisymposium on ‘ L^∞ -variational problems’ tola VIII European Conference on Elliptic and Parabolic Problems, Gaeta.
23/5/2016-27-/5/2016	Minisymposium at ‘variational models for materials and structures’ at IX Conference on Elliptic and Parabolic Problems, Gaeta.
8/9/2016-10/9/2016	Fourth Workshop on Thin Structures’, Napoli.
22/5/2017-26/5/2017	Minisymposium ‘variational Problems in L^∞ and related issues’ at International Conference on Elliptic and Parabolic Problems, Gaeta.
4/9/2017-7/9/2017	Session ‘variational methods and applications in Solid Mechanics’ at convegno AIMETA 2017, Salerno.
18/9/2018-21/9/2018	minisymposium ‘Optimization, Microstructures and Applications to Mechanics’ at the congress ‘UMI-SIMAI-SPM’, Wroclaw, Poland.
20/5/2019-24/5/2019	two minisymposia at the International congress on Elliptic and Parabolic Problems, Gaeta.
22/8/2022-25/8/2022	minisymposium at the congress EWM 2022 at University of Helsinki, Finland.
7/9/2023-9/9/2023	Sixth Workshop on Thin Structures, Napoli.
5-2024	Session at the congress SIAM Materials, Pittsburgh, PA, USA.

5-2024	Session at the 'International Conference on Elliptic and Parabolic Problems: GAETA 2024'.
7-2024	Session at ECM conference in Sevilla- Spain.
7-2024	Session at the joint UMI-AMS meeting, Palermo, Italy.

Scientific committees of International conferences

Period	Event
12/9/2018-15/9/2018	'Fifth Workshop on Thin Structures', Napoli, http://pages.unicas.it/fifth-workshop-on-thin-structures/ .
18/5/2019	'Workshop on Calculus of Variations and Applications', Salerno, https://sites.google.com/view/cvworkshopsa
28/5/2020 -29/5/2020	'Workshop on L^∞ and constrained variational problems' online nel 2021 https://sites.google.com/view/1-infty-variational-sa-2020/ .
6/6/2024- 7/6/2024	International workshop 'Calculus of Variations and Nonlinear Analysis in the Applied Sciences' at Department of Basic and Applied Sciences for Engineering of Sapienza - Università di Roma. https://sites.google.com/uniroma1.it/cto-var-nonlin-an-appl-sci/home
11/7/2024-12/7/2024	'2nd International Workshop on Mathematics and Physical Sciences (MatPhys) https://www.2iwmps24.uevora.pt/

Conferences as invited speakers

18/6/2001-21/6/2001	invited speaker at 'International School on Homogenization', Università di Napoli 'Federico II'.
16/9/2001-19/9/2001	invited speaker at 'HMS (Homogenization and Multiple scales) 2001', at Timisoara University, Romania.
31/5-2002-2/6/2002	invited speaker at 'Young Research Workshop' HMS 2002 a Copenhagen (Denmark).
17/2/2003-21/2/2003	speaker at 'Incontro di Lavoro su Questioni di Teoria Geometrica della Misura e di Calcolo delle Variazioni', Levico Terme (TN).
21/6/2004-26/6/2004	invited speaker at 'Midnight Sun Conference', at Narvik University (Norway).
25/6/2007-29/6/2007	invited speaker at 'International Conference Intelligent Processing and Manufacturing of Materials' (IPMM) Salerno, in the specito session organized by prof. Maurizio Angelillo about Fracture Mechanics.
27/3/2008-31/3/2008	invited speaker at 'Congres des EDP', Hammamet, Tunisia.
14/9/2009-17/9/2009	invited speaker at 'Modelli Variazionali di Frattura' to Congresso AIMETA, at Università Politecnica delle Marche, Ancona.
15/10/2010-17/10/2010	invited speaker at Meeting PRIN 2008, at Università di Salerno.
10/2/2011-11/2/2011	invited speaker at the conference 'Nonlinear Analysis and variational problems', Universidade de Evora.

12/9/2011-15/9/2011	invited speaker at a minisymposium withinh the XX Convegno AIMETA, Bologna.
22/5/2012-25/5/2012	invited speaker at a minisymposium organized by prof. C. Mardare at '7th Conference on Elliptic and Parabolic Problems', Gaeta.
25/6/2012-28/6/2012	invited speaker at a minisymposium 'Networks and Optimization' during SIMAI congress 2012, Torino.
27/7/2012-27/7/2012	invited speaker at the workshop 'CV day at CMAF', Universidade de Lisboa.
3/2/2013-8/2/2013	speaker at 'XXIII Convegno Naziontoe di Calcolo delle Variazioni', Levico Terme (TN).
1/5/2013-5/5/2013	invited speaker at 'International Workshop 'Multiscale Modeling and Characterization of Innovative Materials and Structures', Cetara (Salerno).
11/6/2013-15/6/2013	invited speaker at the conference 'Nonlinearities', Male Ciche, Polonia.
7/3/2014-7/3/2014	invited speaker at the conference 'Investigaçao em Mecanica na Universidade de Evora, III Sessao', Portugal.
31/7/2014-1/8/2014	invited speaker at the conference 'Trends in Nonlinear Analysis', IST, Lisbona
10/6/2015-13/6/2015	invited speaker at the minisymposium on homogeneization organized by prof. Irene Fonseca, Maria Luisa Mascarenhas, e Rita Ferreira during the 'AMS-EMS-SPM Joint International Meeting', Porto, Portugal.
23/5/2016-27/5/2016	invited speaker at the minisymposium organized by prof. Sandra Carillo at 'Ninth European Conference on Elliptic and Parabolic Problems', Gaeta.
25/7/2016-29/7/2016	invited speaker at the minisymposium 'Thin Structures and Homogenization', organized by prof. Maria Eugenia Perez at 'IMSE' congress, Padova.
3/3/2017-4/3/2017	invited speaker at 'Workshop in memory of Graça Carita', at Universidade de Evora, Portugal.
22/5/2016-26/5/2017	invited speaker at the minisymposium organized by prof. Sandra Carillo at the 'International Conference on Elliptic and Parabolic Problems', Gaeta.
26-29/9/2017	invited speaker at the Conference 'Nonlocal PDE's', Male-Ciche, Polonia.
16/7/18-18/7/18	invited speaker at the minisymposium on 'Thin Structures and Homogenization', organized by prof. Maria Eugenia Perez at 'IMSE'conference in Brighton, UK.
17/9/2018-21/9/2018	invited speaker at 'UMI-SIMAI-PTM', in the session organized by prof. Irene Benedetti, Wroclaw, Poland.
17/1/2019	invited speaker at to convegno 'AMS-AAM', Btotime, USA in the session organized by professors Elisa Davoli and Rita Ferreira.
1/7/2019-5/7/2019	invited speaker at the conference 'Calculus of Variations on Schiermonnikoog' https://Calcvar2019.sites.uu.nl/ .
23/9/2019-27/9/2019	invited speaker at the conference 'Function spaces and PDEs', Male Ciche, Polonia http://Maleciche.c.matinf.uj.edu.pl/

20/1/2020	invited speaker at the ‘Miniworkshop Mathematical Models in Continuum Mechanics’, Politecnico di Torino.
3/2/2020-7/2/2020	speaker at XXX Convegno Naziontoe di Calcolo delle Variazioni, Levico Terme (TN).
18/5/2020-22/5/2020	invited speaker at the conference SIAM Materials, Bilbao (online 2021), in the specito session organized by professors Bianca Stroffolini, Francesco Solombrino e Paolo Piovano.
june 2021	invited speaker at the ‘EMS congress’, Portorose, Slovenia (online), in the sessione organized by professors. N. Van Goethem e R. scala.
may 2022	invited speaker at the conference ‘Advances and Research Chtolenges Au-delà de l’élasticité : avancées dans la recherche et prochains défis, CIRM, Luminy, Francia.
june 2022	invited speaker at the conference ‘variational Chtolenges in Materials Science and Imaging ’, at TUWien.
giugno 2022	invited speaker at the PICNDEA conference, Universidade de Evora, Portugal.
july 2022	invited speaker at the conference ‘Recent advances in the Calculus of Variations in L^∞ ’, University of Reading, UK.
13/7/2022-18/7/2022	invited speaker at the‘IMSE congress’, in the session about homogenization and thin structures organized by prof. M. E. Perez. (online)
september 2022	invited speaker at the Workshop Nonlocality: Analysis, Numerics and Applications, at Lorentz Center, Leiden, the Netherlands.
25/1-27/1 2023	invited speaker at the Workshop ”Mathematics and Applications’ CIMA (Universidade de Evora)- CIMPA (università del Costarica), (online).
11/12-15/12 2023	invited speaker at tol’ESI workshop New perspective on Shape and Topology Optimization, ESI Institute, Vienna (online due to COVID).
12/2/2024- 16/2/2024	speaker at XXXIII Congresso Naziontoe di Calcolo delle Variazioni, Riccione
29/4/2024-30/4/2024	invited speaker at ‘Two-day Workshop on Nonlinear Analysis’, Politecnico di Torino, https://sites.google.com/view/twoday-nonlinearanalysis-turin/home-page
19/5/2024-22/5/2024	invited speaker at the session about homogenization organized by prof. M. E. Perez within the congress on Elliptic and Parabolic PDEs, Gaeta.
11/7/2024-12/7/2024	Plenary speaker at ‘2nd International Workshop on Mathematics and Physical Sciences (MatPhys) https://www.2iwmps24.uevora.pt/
16/9/2024-19/9/2024	Invited speaker at GAMM PDEs 2024, https://gammpde2024.utia.cas.cz/ , Prague
10-11/3/2025	Invited speaker at Research Days in Mathematics, CIMPA-UCR & CIMA-UEvora, Hybrid Meeting II.
25-27/6/2025	Invited speaker at Three Days in Calculus of Variations, TUWIEN
23-26/6/2026	Invited speaker at ”variational Models in Materials Science - 4th edition”, Accademia Pontaniana, Napoli.

Talks at conferences

10/2/2003-13/2/2003	‘AMAM 2003’, Nice, France, poster session
7/9/2003-13/9/2003	speaker in a thematic session at UMI congress 2003, Milano.
22/9/2003-23/9/2003	speaker at the conference ‘Optimization and Coupled Problems in Electromagnetism’, Università ‘Federico II’.
From 20/9/2004 to 24/9/2004	speaker in a thematic session at ‘SIMAI congress’ 2004, at l’International University di Venezia, Isola di San Servolo. Ittoy.
From 13/8/2006 to 17/8/2006	speaker at the congress ‘New Trends and Chtolenges in the Calculus of Variations’, Convento de Madre de Dios, Toledo, Spagna.
From 24/9/2007 to 27/9/2007	speaker the XVIII Convegno ‘UMI’, Bari, Ittoy
From 28/5/2008 to 7/6/2008	speaker at the ‘2008 CNA Summer School’, Carnegie Mellon University.
From 8/9/2008 to 10/9/2008	speaker at the congress ‘Calculus of Variations and its Applications: from Engineering to Economy’, Universidade Nova de Lisboa.
From 31/5/2011 to 3/6/2011	speaker at the congress ‘New function spaces in PDE’s and harmonic analyysis’, Napoli.
From 11/9/2011 to 16/9/2011	speaker in a thematic session at Congresso ‘UMI’ Bologna.
From 9/7/2012 to 12/7/2012	speaker at the congress ‘Calculus of Variations and PDEs’, Szczawnica, Poland.
From 8/7/2013 to 12/7/2013	speaker at CIME-EMS Summer School in applied mathematics ‘Vector-vtouted Partito Differentito Equations and Applications’, Cetraro (CS).
From 26/5/2014 to 30/5/2014	speaker at a specito session of ‘VIII European Conference on Elliptic and Parabolic Problems’, Gaeta.
From 24/3/2015 to 28/3/2015	speaker at ‘Conference On Partito Differentito Equations’ at the Technicto University of Munich, Germany.
From 17/12/2015 to 19/12/2015	speaker at ‘International Workshop on Calculus of Variations and its Applications on the Occasion of Luisa Mascarenhas’ 65th Birthday’, Universidade Nova de Lisboa.
From 20/1/2017 to 21/1/2017	speaker at ‘16th GAMM Seminar on Microstructures’, University of Dortmund.
From 28/8/2018 to 5/9/2018	speaker at the conference ‘variational Analysis and Applications’, Erice.
From 21/7/2019 to 24/7/2019	speaker ‘Women in Mathematics Meeting’, Universidade Nova de Lisboa, Caparica, Portugal.
From 4/7/2022 to 6/7/2022	speaker at the ‘Portugal-Ittoy Conference on Nonlinear Differentito Equations and Applications’, Evora, Portugal.

Research projects

- From 1/11/1999 to 31/10/2000: Participant at project ‘Giovani Ricercatori’ at Università di Napoli ‘Federico II’.
From 1/1/2000 to 31/12/2004: Participant in the project ‘European Research Training Network ‘Homogenization and Multiple scales’ (HMS2000) RTN1-1999-00040.
- From 20/12/2000 to 19/12/2002: Participant as Ph.D student at the project PRIN 2000 di Calcolo delle Variazioni coordinated by Prof. Gianni Dal Maso.
- From 16/12/2002 to 15/12/2004: Participant in the Project PRIN 2002 ‘Calculus of Variations: Free Discontinuity Problems’ coordinated by Prof. Luigi Ambrosio.

- From 1/4/2003 to 31/3/2004: Participant in the Project GNAMPA 2003 ‘Metodi Variazionali per strutture sottili, frontiere oscillanti ed energie vincolate’ coordinated by prof. Riccardo De Arcangelis.
- From 1/11/2003 to 31/10/2004: Participant in the ‘Progetto Giovani Ricercatori’ from Regione Campania coordinated by prof. Giuseppe Cardone.
- From 1/4/2004 to 31/3/2005: Participant in the Project GNAMPA 2004 ‘Metodi Variazionali per strutture sottili, frontiere oscillanti ed energie vincolate’, coordinated by Prof. Riccardo De Arcangelis.
- From 9/2/2007 to 8/2/2009: Participant in the Project a Progetto PRIN 2006 ‘Ottimizzazione di Reti Wireless’ coordinated by prof. analynio Sassano.
- From 15/3/2008 to 14/3/2009: Participant in the Project GNAMPA 2008 ‘Problemi Variazionali per Funzionali supremali ed applicazioni’ coordinated by Prof. Luigi De Pascale.
- From 22/3/2010 to 22/9/2012: Participant in the Project PRIN 2008 ‘Materiali complessi e modelli strutturtoroi in problemi avanzati dell’ingegneria’ coordinated by Cesare Davini.
- From 15/1/2011 to 14/12/2014: Participant as External collaborator at the project ‘Optimization Methods in Continuum Mechanics’ Reference: PTDC/MAT/109973/2009’. Funded by the Portuguese Science Foundation.
- From 1/6/2011 to 31/5/2014: Participant as External collaborator at the project ‘Thin structures, homogenization and multi phase problems’ UTA-CMU/MAT/0005/2009, funded by the Portuguese Science Foundation, in the scope of the Program Portugal-Carnegie Mellon University.
- From 1/4/2012 to 31/3/2013: Participant in the GNAMPA project 2012 ‘Problemi Variazionali e misure di Young nella meccanica dei materiali complessi’ coordinated by Prof. Lorenzo Freddi.
- 2013: P.I. of the project ‘Funzionali supremali e approssimazione L^p ’: esistenza di minimi, condizioni di semicontinuità nel caso vettoritoe, legami con i Funzionali integrali con vincoli sul gradiente - FARB (Fondo di Ateneo per la ricerca di base) University of Salerno.
- 2014: P.I. of the project ‘Problemi di rilassamento’ - FARB/University of Salerno.
- 2015: P.I. of the project ‘Analisi Matematica per strutture sottili, decomposizione di immagini e problemi di equilibrio in elasticità’ – FARB/University of Salerno.
- 2016: P.I. of the project ‘Analisi Matematica per strutture sottili, decomposizione di immagini e problemi di equilibrio in elasticità’. - FARB/University of Salerno.
- 2017: P.I. of the project ‘Funzionali supremali e Nonlocali’ - FARB/University of Salerno.
- 2017/2018: P.I. of the INdAM project ‘MathForLife’ for Dissemination activity.
- 2017: PI of the project FFABR 2017 - fondo naziontoe.
- 2018: P.I. of the project Nonlocal problems and peridynamics - FARB/University of Salerno.
- 2019: Partecipant at GNAMPA-INdAM project ‘Analisi e ottimizzazione di strutture sottili’.
- 2020: participant of INdAM–GNAMPA project *Analisi Variazionale di modelli non-locali nelle scienze applicate*.
- 2021: participant in the Sapienza’s research projects led by Sandra Carillo,
- 2022: participant at the project PRIN2022 “Mathematical Modeling of Heterogeneous Systems”.
- 2023: PI of the INdAM–GNAMPA project *Prospettive nelle scienze dei materiali: modelli Variazionali, analisi asintotica e omogeneizzazione*.
- 2023: P.I. of the Sapienza’ s research project ‘Asymptotic Analysis for composites, fractured materials and with defects’.
- 2024: participant in the Sapienza’s research projects led by Micol Amar
- 2024: participant in the INdAM–GNAMPA project *Composite Materials and Microstructures*
- 2025: participant in the INdAM–GNAMPA project *Metodi Variazionali per problemi dipendenti da operatori frazionari isotropi e anisotropi*
- 2025: participant in the Sapienza’s research projects led by Micol Amar

Publications

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- [2] Ribeiro A. M., Zappale E., Erratum (regarding the affiliations) Correction to: Revisited convexity notions for L^∞ variational problems (*Revista Matemática Complutense*, 2025, 38, 2, (573-624), 10.1007/s13163-024-00499-0) *Revista Matematica Complutense Open source preview*, 2025, 38(2), pp. 625–626 doi=10.1007/s13163-024-00499-0.
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