

## **CURRICULUM VITAE di Elvira Zappale**

Elvira Zappale

Born in Salerno (Italy) on August 2, 1975.

Married with three children.

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Working address: Dipartimento di Scienze di Base ed Applicate per l'Ingegneria, Sapienza-Università di Roma, via Antonio Scarpa, 16, 00161 Roma (RM), Italy.

### **Studies:**

- July 16, 1997: Degree in Mathematics cum Laude at Università degli Studi di Salerno.
- January 29, 2002: Ph. D degree in Mathematics at Università di Napoli 'Federico II', advisor Professor Riccardo De Arcangelis.

### **Awards and Grants:**

- 2001: Winner of permanent positions as permanent Middle and High school teacher of Mathematics (A047), Applied Mathematics (A048), and Mathematics and Sciences (A059-Middle school).
- P.I. GNAMPA Project: Funzionali supremali:
- December 30, 2013: Abilitazione Scientifica Nazionale a Professore di II fascia (SSC 01/A3).
- March 28, 2017: Abilitazione Scientifica Nazionale a Professore di II fascia (SSC 01/A3).
- 2017: FFABR national grant
- 2018: INdAM grant for dissemination activity: project MATHFORLIFE.
- October 15-December 15, 2018: ICTP-INdAM Research in Pairs at INdAM Unit of Università di Salerno with Joel Fotso Tachago (University of Bamenda, Cameroon), topic: Homogenization in Orlicz-Sobolev setting.

### **Position:**

Associate Professor at Dipartimento di Scienze di Base ed Applicate per l'Ingegneria, Sapienza - Università di Roma, since November, 2, 2020.

### **Previous working experiences :**

- Assegnista di ricerca at Dipartimento di Ingegneria dell'Informazione e Matematica Applicata from November 1, 2001 to December 31, 2003.
- Permanent High School Professor of Mathematics and Physics (A049) at ISTITUTO MAGISTRALE F. DE FILIPPIS, CAVA de' TIRRENI (SA) from September 1, 2001 to December 31, 2003.
- Ricercatrice (assistant professor) at Dipartimento di Ingegneria Industriale dell'Università degli Studi di Salerno from January 1, 2004 to November 1, 2020.

### **Supervising activity:**

Ph.D student Piotr Kozarzewski at University of Warsaw (co-supervised by Agnieszka Kalamajska) from February 2016.

**Affiliations:**

GNAMPA, UMI, AMS, CIMA Research Center at University of Evora, Portugal, ORCID ID:0000-0001-7419-300X, ResearcherID: G-8722-2015, Investigator Fundação para a Ciencia e a Tecnologia, Ministerio da Educaçao e Ciencia, referee for MIUR projects, affiliated with REPRISE.

**Conferences and Workshops:**

1. 10-13/06/2015 Speaker at a mini-symposium of AMS-EMS-SPM Joint International Meeting, Porto, Portugal
2. 17-19/12/2015 Oral communication at the 'International Workshop on Calculus of Variations and its Applications on the Occasion of Luisa Mascarenhas' 65th Birthday', Universidade Nova de Lisboa
3. 23-27/5/2016 Speaker at a minisymposium at the Ninth European Conference on Elliptic and Parabolic Problems: Gaeta
4. 25-29/7/2016 Speaker at the mini-symposium on Thin Structures and Homogenization, at IMSE Conference , Padova.
5. 20-21/1/2017 Speaker at 16th GAMM Seminar on Microstructure at University of Dortmund.
6. 3-4/3/2017 Invited speaker at Workshop in memory of Graça Carita, at Universidade de Evora, 3 e 4 marzo 2017, Evora Portugal.
7. 22-26/5/2017 Speaker at a minisymposium of the International Conference on Elliptic and Parabolic Problems, Gaeta
8. 25-29/5/2017 Exhibitor of the project MATHFORLIFE at the XXXI edition of the Festival FUTURO REMOTO, Piazza del Plebiscito, Napoli
9. 26-29/9/2017 Invited speaker at the Conference Nonlocal PDE's, Male-Ciche, Poland.
10. 16-18/7/2018 Invited speaker at the minisymposium Thin Structures and Homogenization, organizzato dalla prof. Maria Eugenia Perez al Convegno IMSE, Brighton, UK..
11. 28/8-5/9,2018 Oral presentation at the conference 'Variational Analysis and Applications', ERICE
12. 13/10/2018 Invited speaker at Tre giorni per la scuola to present the project 'MATHFOR LIFE'
13. 17-21/9/2018 Speaker at a minisymposium of the conference UMI-SIMAI-PTM, Wroclaw, Poland
14. 17/1/2019 Invited speaker at a minisymposium of the AMS- AAM meeting , Baltimore, USA.
15. 1-5/7/2019 Invited speaker at the conference Calculus of Variations on Schiermonnikoog, The Netherlands.
16. 21-24/7/2019 Oral presentation at the Women in Mathematics Meeting, Universidade Nova de Lisboa, Caparica, Portugal.
17. 23-27/9/2019 Invited speaker at the conference Function spaces and PDEs, Male Ciche, Poland.
18. February 2020, XXX Incontro di Calcolo delle Variazioni, Levico Terme, (TN)
19. January, 2020, Mini-workshop Mathematical Models in Continuum Mechanics, Politecnico di Torino.

### **Seminars and Courses:**

- June, 2017, Utrecht University ‘Relaxation for optimal design problems’.
- April 11, 2018, Università di Ferrara ‘Optimal design problems with gap’.
- June 26, 2018, Technical University of Munich, ‘Optimal design problems with gap’.
- November 19, 2018, Charles University, Prague, ‘Structured Deformations and Applications’.
- December 2018, Universidade Nova de Lisboa, short course on ‘Convexity notions and applications’.
- February 2019 and June 2019, two seminars at Isaac Newton Institute in, Cambridge in the framework of the program ‘The mathematical design of new materials’.
- July, 2020, Lisbon WADE, ‘Optimal Design Problems’, webinar.

### **Organizing activities :**

- May 23-27, 2016 Organizer of the minisymposium 'Variational models for materials and structures' at Ninth Conference on Elliptic and Parabolic Problems, Gaeta
- September, 8-10, 2016 Co-organizer of the Fourth Workshop on Thin Structures, Napoli
- May 22-26, 2017, co-organizer of minisymposium ‘Variational Problems in  $L^\infty$ ’ International conference on Elliptic and Parabolic Problems, Gaeta.
- September 4-7, 2017, co-organizer of the session ‘Variational Methods and Applications in Solid Mechanics’, AIMETA conference 2017.
- September 12-15, 2018, co-organizer of the ‘Fifth Workshop on Thin Structures’, Napoli.
- September 18-21, 2018, co-organizer of the minisymposium ‘ Optimization, Microstructures and Applications to Mechanics at UMI-SIMAI-PTM conference, Wroclaw.
- May 18-19, 2019 organizer of Workshop on Calculus of Variations and Applications, Salerno.
- May, 20-24, 2019, co-organizer of the minisymposium “Advances in Mathematical Analysis stemming from Applications”, at the International Conference on Elliptic and Parabolic Problems, Gaeta.
- May 2021 (postponed from May 2020), co-organizer of the online workshop ‘Workshop on  $L^\infty$  and constrained variational problems’.

### **Teaching Activities:**

- Course on Calculus I and/or Calculus II (90 hours each) since a.a. 2003 at Bachelor Degree in Engineering at Università degli Studi di Salerno.
- Course on Adv. Mathematics (90 hours) Master Degree in Chemical and Food Engineering at Università di Salerno, every academic year from 2017 to 2020.
- Member of the Ph.D Council in Industrial Engineering since September 2019 at Università degli Studi di Salerno.
- Two Courses on Calculus II (70 hours each) since February 2021 at Bachelor Degree in Clinic Engineering at Sapienza –Università di Roma.

December 31, 2020.