Curriculum vitae

PERSONAL INFORMATION   Alessio Marinelli

- Viale Verona, 76, 38123 Trento (Italy)
- 3665358152
- alessio.marinelli@unitn.it ; aleu85@hotmail.it

Sex Male | Date of birth 23/08/1985 | Nationality Italian

POSITION   Mathematician, Teacher

EDUCATION AND TRAINING

11/2018-02/2019   **Percorso formativo Propedeutico al tirocinio per l'Insegnamento**
Educational path aimed at the acquisition of 24CFU in anthropo-psycho-pedagogical field and teaching methodologies and technologies: cultural anthropology, introduction to psychology, General Psychology and **teaching methodologies and technologies in the high school,** University of Trento, University of Padova (TN/PD, Italy)

31/10/2012-29/04/2016   **Phd in Mathematics**

University of Trento, Trento (Italy)

01/09/2014-06/09/2014   Summer school on "*Mathematical Models and Methods for living Systems*"

CIME-CIRM Course

02/06/2014-07/06/2014   Summer school "*Partial Differential Equations and Geometric Measure Theory*"

CIME-CIRM Course

15/07/2013-27/07/2013   Summer school "*Non local Equation of Elliptic Type*"

Final Vote: A (top)

Courses held by A.I.Peral, E.Valdinoci. Scuola Matematica Interuniversitaria, Palazzone di Cortona.

25/02/2010–19/07/2012   **Master Degree in Mathematics cum Laude**

University of Perugia, Perugia (Italy)

31/10/2004–25/02/2010   Degree in Mathematics
University of Perugia, Perugia (Italy)

16/09/1999–05/07/2004   High school leaving qualification with onorable mention
IISS "Leonardo da Vinci", Umbertide (PG, Italy)

PUBBLICATIONS

In progress

✓ *The fractional diffusion as limit of the Generalized Velocity jump processes.*

Work in Progress

Authors: Alessio Marinelli, Andrea Pugliese (University of Trento)

2019

✓ *Generalized logistic equation with indefinite weight driven by fractional Laplacians: quantitative and geometric properties.*

Authors: Alessio Marinelli, Dimitri Mugnai (University of Perugia)

Special Issue "Perspectives of Geometric Analysis in PDEs", Journal of Geometric Analysis (2019).

2014

✓ *The generalized logistic equation with indefinite weight driven by the square root of the Laplacian.*

Authors: Alessio Marinelli, Dimitri Mugnai (University of Perugia)

Non Linearity 27 (2014) , 2361-2376

WORK EXPERIENCE

A.A. 2019/2020

A.A. 2018/2019

A.A. 2017/2018

A.A 2016/2017

A.A. 2015/2016

Teaching assistant , Analysis 1 (Prof. Alberto Valli)

Department of Civil, Environmental and mechanical engineering, University of Trento, Mesiano (TN, Italy)

A.A. 2014/2015

A.A 2013/2014

Teaching assistant , Analysis 2 (Prof. Alberto Valli)

Department of Civil, Environmental and mechanical engineering, University of Trento, Mesiano (TN, Italy)

From 2017 to 2019

Referee for the *Electronic Journal of Qualitative Theory of Differential Equations*

03/10/2016–31/12/2017

Collaborator at the Department of Mathematics

University of Trento, With Prof. Andrea Pugliese, Povo, Trento

Work experience in Foreign University

02/09/2020

27/02/2015–01/05/2015	University of Alberta, Edmonton (Canada)
	I worked in strictly contact with Prof. **Thomas Hillen**.

12/9/2019–31/8/2020	Higher education teaching institution
	Liceo "Antonio Rosmini", Trento (Italy)

12/9/2018–31/8/2019	Higher education teaching institution
	IISS "Don Milani", Rovereto (TN, Italy)

12/9/2017–31/8/2018	Higher education teaching institution
	Liceo Artistico "F. Depero", Rovereto (TN, Italy)

12/09/2016–30/6/2017	Higher education teaching professional institution
	Professional Formation Center CMC, Trento

26/10/2015–31/08/2016	Professor in higher education institutions
	IISS "Don Milani", Rovereto (TN, Italy)

12/07/2016–15/07/2016	External examiner CAPES
	Istituto Agrario Fondazione Edmund Mach , San Michele all'Adige (TN)

31/10/2011–31/12/2011	Stage in high school
	IISS "Leonardo da Vinci", Umbertide (PG) (Italy)

PERSONAL SKILLS

Mother tongue(s)   Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B1	B1	B1
Russian	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Proficient user	Independent user

Digital competences - Self-assessment grid

Basic Knowledge of **R**.

I followed university courses on **C++**, **Matlab**, **Ruby**, **O-caml**, **Maple.**

ADDITIONAL INFORMATION

SEMINARS

18/08/2016   Seminar on "`*The generalized logistic equation with indefinite weight driven by the square root of the Laplacian*"',   Department of Mathematics of the Tecnische Universität München.

29/04/2016   Seminar on "*Fractional diffusion: biological models and nonlinear problems driven by the s-power of the Laplacian***',**   Thesis defence - University of Trento

28/04/2015   Seminar on "`*Some mathematical and biological aspects of the fractional diffusion*"',   University of Alberta, Edmonton-Canada

03/05/2015   Seminar on "`*The generalized logistic equation with indefinite weight driven by the square root of the Laplacian*"',   University of Alberta, Edmonton-Canada

13/02/2015   Seminar on "`*Logistic Models*"',   University of Perugia

30/09/2014   Seminar on "`*Some results on differential elliptic and parabolic equations*"',   University of Trento

CONFERENCES

From 25 to 27 June 2014   **Conference on Non Linear Evolution equations**
Roma (Italy)

From 27 to 30 January 2014   **XXIV National Conference of the Calculus of Variations**
Levico Terme, Trento (Italy)

From 4 to 6 April 2013   **Workshop CIMAB on Theoretical Approaches and Related Mathematical Methods in Biology, Medicine and Environment**
Milano (Italy)

MAIN RESEARCH FIELDS

Currently my research is focused on the NonLinear Analysis. In particular:
Critical point theory, Calculus of Variations.
Existence and nonexistence of solutions of Elliptic Partial Differential Equations.
Solutions of Parabolic Equations and their qualitative analysis.
Stochastic Processes (Velocity Jump Processes, Position Jump processes).

02/09/2020

IMPEGNO POLITICO   Tesserato al Partito della Rifondazione Comunista fin dall'adolescenza. Ho ricoperto la carica di segretatio del circolo di Umbertide per due anni. A seguito del mio trasferimento a Trento sono stato tesserato del circolo di Trento e da alcuni anni sono anche parte della segreteria del circolo.

DATE: 02/09/2020

Alessio Marinelli