

**Personal Information**

Surname(s) / First name(s)

Address(es)

Telephone(s)

Email(s)

Nationality(-ies)

Date of birth

Gender

Occupational field**Education and training**

October 2016 – Present

April 2014 – March 2016

January 2010 – July 2013

September 2007 – July 2009

September 2004 – July 2007

Invited conferences and talks

27 August 2017 – 2 September 2017.

27 April 2016

25 November 2014

FERRARI Simone**Functional analysis, Infinite dimensional analysis, convex analysis, measure theory, elliptic and parabolic partial differential equations.**

Post doc student in Mathematics

Università del Salento (Lecce, ITALY)

Winner of the Post Doc "Equazioni ellittiche e paraboliche con coefficienti illimitati" ("Elliptic and parabolic equations with unbounded coefficients"), SSD MAT/05 "Analisi Matematica" of Università del Salento.

Post doc student in Mathematics

Università degli studi di Parma (Parma, ITALY)

Winner of the Post Doc "Tecniche per equazioni di Kolmogorov in dimensione finita e infinita, e problemi connessi" ("Techniques for Kolmogorov equations in finite and infinite dimension, and related problems"), SSD MAT/05 "Analisi Matematica" of Università degli studi di Parma.

Ph. D. student in Mathematics

Università degli studi di Milano (Milano, ITALY). Thesis defence 02-07-2013

Thesis title: "Localization techniques for renormings"

Advisor: Prof. José Orihuela (Universidad de Murcia)

Coadvisor: Prof. Matías Raja (Universidad de Murcia)

Winner of a Scholarship by the Università degli studi di Milano.

MS in Mathematics

Università degli studi di Milano (Milano, ITALY). Thesis defence 21-07-2009

Thesis title: "Riflessività e spazi universali" ("Reflexivity and universal spaces")

Advisor: Prof. Clemente Zanco (Università degli studi di Milano)

BS in Mathematics

Università degli studi di Milano (Milano, ITALY). Thesis defence 18-07-2007

Thesis title: "Aspetti geometrici dei sistemi di diseguaglianze lineari" ("Geometrical aspects of systems of linear inequalities")

Advisor: Prof. Clemente Zanco (Università degli studi di Milano)

Invited to attend the Workshop: "Workshop/School on Stochastic PDEs, Mean Field Games and Biology", Gran Sasso Science Institute, L'Aquila (ITALY).

Invited speaker in the cycle of seminars: "Seminari di Analisi Astratta", Milan (ITALY).

Talk: "An Introduction to Gaussian measure in Banach spaces".

Invited speaker in the cycle of seminars: "Seminario Rey Pastor", Murcia (SPAIN).

	Talk: "Weakly metrizable spheres and renorming". Invited speaker in the cycle of seminars: "Seminari di Analisi Astratta", Milan (ITALY).
21 March 2013	Talk: "Strictly convex renorming: a characterization". Invited speaker in the cycle of seminars: "Seminario Rey Pastor", Murcia (SPAIN). Talk: "Localization techniques for renorming".
Conferences and talks	
4 September 2017 ~ 6 September 2017	Attending the workshop "Deterministic and stochastic evolution equations", Parma (ITALY).
22 May 2017 – 26 May 2017	Talk: "On the domain of elliptic operators in subsets of Wiener spaces endowed with a weighted Gaussian measure". Attending the conference "Partial Differential Equations and Applications", Bologna (ITALY).
4 October 2016 – 7 October 2016	Talk: "On the domain of elliptic operators in subsets of Wiener spaces endowed with a weighted Gaussian measure". Attending the conference "Lecce Conference in Calculus of Variations and Partial Differential Equation", Lecce (ITALY).
9 June 2016 – 10 June 2016	Attending the workshop "IV Workshop in Functional Analysis", Cartagena (SPAIN). Talk: "Generalized metric spaces and renorming of Banach spaces".
29 May 2016 – 3 June 2016	Poster: "Sobolev regularity for solutions of elliptic equations in infinite dimensional Banach spaces endowed with a weighted Gaussian measure". Attending the workshop "Final Workshop of the 19 th Internet Seminar", Casalmaggiore (ITALY).
14 December 2015 – 18 December 2015	Talk: "H-Lipschitz functions". Attending the conference "Sixth Trilateral Meeting on Nonlinear Partial Differential Equations and Applications", Parma (Italy).
19 July 2015 – 24 July 2015	Attending the school "Operator Semigroups for Dynamical Systems: Positivity, Perturbation, Networks", Wuppertal (GERMANY).
6 July 2015 – 10 July 2015	Attending the workshop "New advances in PDE's, Inverse Problems and Control Theory", Parma (ITALY).
20 October 2014 – 24 October 2014	Talk: "Sobolev spaces with respect to weighted Gaussian measures in infinite dimensions". Attending the school "Autumn School on Non-Linear Geometry of Banach Spaces and Applications", M茅tabief (FRANCE).
17 September 2014 – 19 September 2014	Attending the workshop "Minisymposium GIAF 2014", Milan (ITALY).
17 September 2013 – 19 September 2013	Talk: "Kadec property and Stone metrization theorem". Attending the workshop "Incontro GIAF", Genoa (ITALY).
21 January 2013 – 25 January 2013	Talk: "Strictly convex renormings and covering of the unit sphere". Attending the conference "Congreso bienal de la Real Sociedad Matemática Española 2013", Santiago de Compostela (SPAIN).
15 November 2012 – 16 November 2012	Talk: "Characterizing and transferring rotund norms". Attending the conference "XI Encuentro de Análisis Funcional Alicante – Murcia – Valencia", Alicante (SPAIN).
28 August 2012 – 1 September 2012	Talk: "Characterizations of rotund renormings using symmetries". Attending the conference "Integration, Vector measures and Related Topics V", Palermo (ITALY).
25 June 2012 – 30 June 2012	Talk: "A topological property equivalent to the existence of a dual rotund renorming". Attending the workshop "IVth Workshop on Coverings, Selections, and Games in Topology", Caserta (ITALY).
19 April 2012 – 21 April 2012	Talk: "Metrization theory and the Kadec property". Attending the Conference "VIII Encuentro de la Red de Análisis Funcional", La Manga del Mar Menor (SPAIN).
17 November 2011 – 18 November 2011	Poster: "Metrization theory and the Kadec property". Attending the conference "IX Encuentro de Análisis Funcional Murcia – Valencia", Cartagena (SPAIN).
2 March 2011 – 5 March 2011	Attending the conference "Integration, Vector measures and Related Topics IV", Murcia (SPAIN).

16 January 2010 – 23 January 2010	Attending the school “38th Winter school in abstract analysis”, Klens pod Čerchovem (CZECH REPUBLIC).
28 July 2008 – 29 August 2008	Attending the school “Interuniversity Mathematics Summer School”, Perugia (ITALY) organized by INDAM (Istituto nazionale di alta matematica). Courses: Probability (Grade B) and Functional Analysis (Grade A)
Abroad experiences	
20 November 2014 – 27 November 2014	Invited professor at the University of Murcia (SPAIN).
4 September 2012 – 26 February 2013	Visiting student at the University of Murcia (SPAIN) (Prof. José Orihuela).
2 October 2011 – 23 June 2012	Visiting student at the University of Murcia (SPAIN) (Prof. José Orihuela).
7 January 2011 – 31 March 2011	Visiting student at the University of Murcia (SPAIN) (Prof. José Orihuela).
Teaching experiences	
October 2016 – September 2017	Teaching assistant to the course “Istituzioni di Matematica” for the Bachelor in Science and Technology for the environment of the Università del Salento (Prof. Campiti).
October 2015 – December 2015	Gives a Microcourse with the title “Ten Talks about infinite dimensional Geometry and Topology of Banach spaces”, Parma (ITALY).
September 2014 – July 2016	Tutor to the course “Analisi matematica I” and “Geometria I” for the Bachelor in Engineering of the Università degli studi di Parma (Prof. Mucci and Prof. Alessandrini).
March 2014 – February 2015	Teaching assistant to the course “Geometria I” for the Bachelor in Physics of the Università degli studi di Milano (Prof. M. Rigoli).
September 2013 – September 2014	Tutor to the course “Analisi matematica III” for the Bachelor in Physics of the Università degli studi di Milano (Prof. C. Zanco).
September 2013 – September 2014	Tutor to the course “Matematica generale” for the Bachelor in Biology of the Università degli studi di Milano (Prof. M. Vignati).
March 2013 – September 2013	Tutor to the course “Geometria I” for the Bachelor in Physics of the Università degli studi di Milano (Prof. G. Canuto).
April 2011 – September 2011	Tutor to the courses “Matematica di Base” and “Matematica per le Scienze Sociali” for the Bachelor in Political Sciences of the Università degli studi di Milano (Prof. G. L. Forti).
Personal skills and competences	
Computer skills and competences	LaTeX (Advanced), C, Matlab, Maple (Intermediate)
Mother tongue(s)	
Other language(s)	
Self-assessment European level ⁽¹⁾	
English	
Spanish	
French	
Driving licence(s)	B (cars)
Other research informations	
	Member of the 2017 G.N.A.M.P.A. project “Equazioni e sistemi di equazioni di Kolmogorov in dimensione finita e non” (Equations and systems of Kolmogorov equations in finite and infinite dimension) funded by INDAM.

Publications

- 1) S. Ferrari, L. Oncina, J. Orihuela, and M. Raja. Metrization theory and the Kadec property. *Banach J. Math. Anal.*, 10(2):281–306, 2016.
- 2) S. Ferrari, J. Orihuela, and M. Raja. Weakly metrizable spheres and renormings of Banach spaces. *Q. J. Math.*, 67(1):15–27, 2016.
- 3) G. Cappa and S. Ferrari. Maximal sobolev regularity for solutions of elliptic equations in infinite dimensional Banach spaces endowed with a weighted Gaussian measure. *J. Differential Equations* 261(12):7099–7131, 2016.
- 4) G. Cappa, S. Ferrari, Maximal Sobolev regularity for solutions of elliptic equations in Banach spaces endowed with a weighted Gaussian measure: The convex subset case, *J. Math. Anal. Appl.* (2017), <http://dx.doi.org/10.1016/j.jmaa.2017.09.015>.
- 5) S. Ferrari. Sobolev spaces with respect to weighted Gaussian measures in infinite dimensions. Submitted, *ArXiv e-prints*, 2016. <http://arxiv.org/abs/1510.08283v3>.
- 6) S. Ferrari, J. Orihuela and M. Raja. Generalized metric properties of spheres and renormings of normed spaces. Submitted, *ArXiv e-prints*, 2016. <http://arxiv.org/abs/1605.08175>.
- 7) D. Addona, G. Cappa and S. Ferrari. On the domain of elliptic operators defined in subsets of Wiener spaces. Submitted. *ArXiv e-prints*, 2017. <https://arxiv.org/abs/1706.05260>.

Lecce, 09/09/2017

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