



# Conferences and talks

18 June 2018 – 19 June 2017	Attending the workshop "Equazioni di evoluzioni: risultati recenti e prospettive", Lecce (ITALY). Talk: "Gradient estimates on infinite dimensional convex domains and their consequences".				
4 September 2017 – 6 September 2017	Attending the workshop "Deterministic and stochastic evolution equations", Parma (ITALY).				
	Talk: "On the domain of elliptic operators in subsets of Wiener spaces endowed with a weighted Gaus- sian measure".				
22 May 2017 – 26 May 2017	Attending the conference "Partial Differential Equations and Applications", Bologna (ITALY). Talk: "On the domain of elliptic operators in subsets of Wiener spaces endowed with a weighted Gaus- sian measure".				
4 October 2016 – 7 October 2016	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".				
	Poster: "Sobolev regularity for solutions of elliptic equations in infinite dimensional Banach spaces en- dowed with a weighted Gaussian measure".				
29 May 2016 – 3 June 2016	Attending the workshop "Final Workshop of the 19 <sup>th</sup> Internet Seminar", Casalmaggiore (ITALY). Talk: " <i>H</i> -Lipschitz functions".				
14 December 2015 – 18 December 2015	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 Semigoups 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).				
	Talk: "Sobolev spaces with respect to weighted Gaussian measures in infinite dimensions".				
20 October 2014 – 24 October 2014	Attending the school "Autumn School on Non-Linear Geometry of Banach Spaces and Applications", Métabief (FRANCE).				
17 September 2014 – 19 September 2014	Attending the workshop "Miniworkshop GIAF 2014", Milan (ITALY).				
	Talk: "Kadec property and Stone metrization theorem".				
17 September 2013 – 19 September 2013	Attending the workshop "Incontro GIAF", Genoa (ITALY).				
	Talk: "Strictly convex renormings and covering of the unit sphere".				
21 January 2013 – 25 January 2013	Attending the conference "Congreso bienal de la Real Sociedad Matemática Española 2013", Santiago de Compostela (SPAIN).				
	Talk: "Characterizing and transferring rotund norms".				
15 November 2012 – 16 November 2012	Attending the conference "XI Encuentro de Análisis Functional Alicante – Murcia – Valencia", Alicante (SPAIN).				
00 August 0010 1 Contember 0010	Talk: "Characterizations of rotund renormings using symmetrics".				
28 August 2012 – 1 September 2012	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).				
	Talk: "Metrization theory and the Kadec property".				
19 April 2012 – 21 April 2012	Attending the Conference "VIII Encuentro de la Red de Análisis Funcional", La Manga del Mar Menor (SPAIN).				
	Poster: "Metrization theory and the Kadec property".				
17 November 2011 – 18 November 2011	Attending the conference "IX Encuentro de Análisis Functional 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", Klenčí pod Čerchovem (CZECH REPUB- LIC).				
28 July 2008 – 29 August 2008	Attending the school "Interuniversity Mathematics Summer School", Perugia (ITALY) organized by IN- DAM (Istituto nazionale di alta matematica). Courses: Probability (Grade B) and Functional Analysis (Grade A)				

### Abroad experiences

20 November 2017 – 24 November
2017
20 November 2014 – 27 November
2014
4 September 2012 – 26 February 2013
2 October 2011 – 23 June 2012
7 January 2011 – 31 March 2011

#### **Teaching experiences**

Academic year 2018/19	Teacher to the course "Elementi di Matematica" for the Bachelor in Engineering of the Industrial Tech- nologies of the Università del Salento.
Academic year 2018/19	Teacher to the course "Analisi Matematica e Geometria I" for the Bachelor in Industrial Engineering of the Università del Salento.
September 2018	Teacher to the precourse "Analisi Matematica" for all the Bachelors in Engineering of the Università del Salento.
Academic year 2017/18	Teacher to the course "Analisi Matematica e Geometria I" for the Bachelor in Industrial Engineering of the Università del Salento.
Academic year 2016/17	Teaching assistant to the course "Istituzioni di Matematica" for the Bachelor in Science and Technology for the environment of the Università del Salento.
October 2015 – December 2015	Gives a Microcourse with the title "Ten Talks about infinite dimensional Geometry and Topology of Ba- nach spaces", Parma (ITALY).
Academic year 2014/15 and 2015/16	Tutor to the course "Analisi matematica I" and "Geometria I" for all the Bachelors in Engineering of the Università degli studi di Parma.
Academic year 2013/14	Teaching assistant to the course "Geometria I" for the Bachelor in Physiscs of the Università degli studi di Milano.
Academic year 2013/14	Tutor to the course "Analisi matematica III" for the Bachelor in Physics of the Università degli studi di Milano.
Academic year 2013/14	Tutor to the course "Matematica generale" for the Bachelor in Biology of the Università degli studi di Milano.
Academic year 2012/13	Tutor to the course "Geometria I" for the Bachelor in Physics of the Università degli studi di Milano.
Personal skills	

LaTeX (Advanced), C, Matlab, Maple (Intermediate)

Invited professor at the University of Murcia (SPAIN).

Invited professor at the University of Murcia (SPAIN).

Visiting student at the University of Murcia (SPAIN) (Prof. José Orihuela). Visiting student at the University of Murcia (SPAIN) (Prof. José Orihuela). Visiting student at the University of Murcia (SPAIN) (Prof. José Orihuela).

#### Italian

Understanding			Speaking					Writing	
	Listening	Reading		Spoken interaction		Spoken production			
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user

<sup>(\*)</sup>Common European Framework of Reference (CEF) level

# Member of the 2018 G.N.A.M.P.A. project "Equazioni e sistemi di equazioni ellittiche e paraboliche a coefficienti illimitati" (Elliptic and parabolic equations and systems of equations with unbounded coefficients) funded by INdAM.

## Other research informations

23 March 2018 - 22 March 2019

and competences

Computer skills and

competences

English Spanish Frech

Mother tongue(s)

Other language(s) Self-assessment European level<sup>(\*)</sup>

13 September 2017 - 28 February 2018 1 March 2017 - 12 September 2017	Coordinator of the 2017 G.N.A.M.P.A. project "Equazioni e sistemi di equazioni di Kolmogorov in dimen- sione finita e non" (Equations and systems of Kolmogorov equations in finite and infinite dimension) funded by INdAM. 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. <i>Banach J. Math. Anal.</i> , 10(2):281–306, 2016.				
	2) S. Ferrari, J. Orihuela, and M. Raja. Weakly metrizability of spheres and renormings of Banach spaces. <i>Q. J. Math.</i> , 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. <i>J. Differential Equations</i> 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, <i>J. Math. Anal. Appl.</i> 458(1):300–331, 2018.				
	5) S. Ferrari. Sobolev spaces with respect to a weighted Gaussian measures in infinite dimensions. Submitted. <i>ArXiv e-prints</i> , 2016. http://arxiv.org/abs/1510.08283.				
	6) S. Ferrari, J. Orihuela and M. Raja. Generalized metric properties of spheres and renormings of normed spaces. Submitted. <i>ArXiv e-prints</i> , 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. <i>ArXiv e-prints</i> , 2017. https://arxiv.org/abs/1706.05260.				
	8) L. Angiuli, S. Ferrari and D. Pallara. Gradient estimates for perturbed Ornstein–Uhlenbeck semigroups on infinite dimensional convex domains. Submitted. <i>ArXiv e-prints</i> , 2018. https://arxiv.org/abs/1807.07780.				

Lecce, 21/09/2018

Simone Ferrari