

Nicola Gigli – Curriculum Vitae

Academic background

- Chaire d'excellence (i.e. distinguished assistant professor), Nice (September 2010-date)
- Post doc at the Institute for applied mathematics, Bonn (November 2009-August 2010)
- Post doc at the University of Bordeaux (November 2008- October 2009)
- PhD in Mathematical Analysis with evaluation 70/70 cum laude (September 2008) at Scuola Normale Superiore, Pisa. Title: On the Geometry of the space of probability measures endowed with the quadratic optimal transport distance. Advisor: Luigi Ambrosio
- Degree in Mathematic with evaluation 110/110 cum laude (October 2001) at University of Pisa

Academic awards

- Oberwolfach Prize 2010 for excellent achievements in Analysis and Applied Mathematics (shared with L. Szekelyhidi)
- Prize “Benedetto Sciarra” for best undergraduate thesis in Mathematic for the years 2000-2001
- Youngest graduate student of University of Pisa with maximum evaluation for the year 2001 (~50.000 students)

Work experiences

Business Analyst at McKinsey&co. (2005-2008)

Languages

- Italian (mother tongue)
- English (fluent)
- French (mid level)

Conferences organized:

- Geometry meets Transport (with Y. Brenier). September 2011, Nice. Speakers: L. Ambrosio, S. Bianchini, G. Buttazzo, C. De Lellis, J. Delon, A. Figalli, W. Gangbo, N Ghossoub, V. Guedj, Y. Ollivier, A. Pratelli, T. Riviere, F. Santambrogio, K.-T. Sturm

Invited speaker at (selection of the most recent conferences):

- *September 2012*, 6th ICSAA, Bedlewo (Poland)
- *September 2012*, At the frontier of Analysis and Probability, Warwick (UK)
- *June 2012*, Optimal Transport (to) Orsay, Orsay (France)
- *June 2012*, Conference for the centenary of L. V. Kantorovich, S. Petersburg (Russia)
- *March 2012*, Inaugural conference of the Laboratorio Fibonacci, Pisa (Italy)
- *January 2012*, SW PDE winter school, Warwick (UK)
- *October 2011*, ERC conference on analysis in metric spaces, Pisa (Italy)
- *September 2011*, Geometry and Probability, Kumamoto (Japan)
- *September 2011*, Annual meeting of the Mathematical Society of Japan, Fukuoka (Japan)
- *September 2011*. 5th International conference on Stochastic Analysis and Applications, Bonn (Germany)
- *July 2011*. Coloquio Brasileiro de Matematica, Rio de Janeiro (Brazil)
- *June 2011*. Non linear hyperbolic PDEs, dispersive and transport equations, Trieste (Italy)
- *February 2011*. Giornate di lavoro sul calcolo delle variazioni e teoria geometrica della misura, Trento (Italy).
- *November 2010*. Workshop on Geometric Probability and Optimal Transportation, Toronto (Canada)
- *October 2010*. ERC Workshop on Optimal Transportation and Applications, Pisa (Italy)
- *September 2010*. Topics on Optimal Transport, Strasbourg (France)
- *September 2010*. Symposia on Analysis of Geometric Evolution, Austin (Texas, US)
- *May 2010*. Optimal transportation and applications, Banff (Canada)
- *April 2010*. Non linear analysis and PDEs, Austin (Texas, US)
- *February 2010*. Winterschool, Regen (Germany)
- *January 2010*. First joint meeting CIRM-HCM, Levico Terme (Italy)
- *November 2009*. Oberseminar Angewandte Mathematik, Bonn (Germany)
- *October 2009*. “Monge-Kantorovich Optimal transport – Theory and Applications”, Santa Fe (New Mexico, US)
- *September 2009*. “Seventh Meeting on Hyperbolic Conservation Laws and Fluid Dynamics: Recent Results and Research Perspectives”, Trieste - mini course - (Italy)
- *February 2009*. Nice weak KAM theory in Nice, Nice (France).
- *February 2009*. Giornate di lavoro sul calcolo delle variazioni e teoria geometrica della misura, Trento (Italy).
- *February 2009*. “Arbeitsgemeinschaft at Oberwolfach: Optimal Transport and geometry”, Oberwolfach. (Germany)
- *November 2008*. “Optimal Transportation: School and Conference”, Pisa (Italy).

Mini courses given:

- *January 2012*, Oberwolfach. Notions of calculus on metric measure spaces with Ricci curvature bounded from below (together with G. Savaré).
- *November 2011*, University of Paris-Sud at Orsay (Paris). Heat flow on metric measure spaces and applications.
- *July 2011*, (Rio de Janeiro). Optimal transport problem and applications.
- *September 2009*, SISSA (Triste). On the geometry of the Wasserstein space.