

CURRICULUM VITAE

Paolo Guiotto, Milano (Italy) september 21st, 1970
 Dept. of Mathematics, Università di Padova
 via Trieste 61, 35121 Padova, Italy

Position (1998–): researcher at the Dept. of Mathematics, University of Padova.

Education

- High school: Technical School in Computer Science, 1989.
- University: Laurea in Matematica, Università di Milano, 1994.
- Ph.D: Scuola Normale Superiore of Pisa (1994–1998).

Further experiences: Visiting Scholar at the University of Southern California at Los Angeles (1996) and Courant Institute of Mathematical Sciences, New York University (1998).

Scientific Interests

My initial specialization has been mainly in the field of stochastic analysis in infinite dimensions, field where I did my thesis *Kolmogorov equations in infinite dimension* (published) under the supervision of Prof. Giuseppe Da Prato at the Scuola Normale Superiore of Pisa. Since then my main interest is infinite dimensional analysis with applications to problems of mathematical physics, with particular interest on quantum systems. I've also been interested in applications to biology (interest acquired during the Civil Service Year) collaborating with the Pharmacological Research Institute Mario Negri of Milan and to mathematical finance, collaborating with the ESSEC Business School of Paris.

Last Published Selected Papers

- Roncoroni A., Galluccio S., Guiotto, P. *Shape factors and cross-sectional risk*, J. Econom. Dynam. Control 34 (2010), no. 11, 2320-2340, 91B30 (91G30).
- Guiotto, P.; Zanelli, L. *The geometry of generating functions for a class of Hamiltonians in the noncompact case.*, J. Geom. Phys. 60 (2010), no. 10, 1381-1401. 53D35 (37J05 53D12)
- Zanelli L., Guiotto P., Cardin F., *Integral representations of the Schrödinger propagator*. Rep. Math. Phys. 62 (2008), no. 1, 19-56. 81Q20 (47D08 47N50 81Q10)

Teaching Activity

Since 1998 I teach mathematical analysis courses to the Undergraduate and Graduate Schools of Mathematics, Physics, Astronomy, Computer Science and Engineering of the University of Padova.

Along the same period I taught every year a Ph.D course on Stochastic Analysis and Stochastic PDEs at the Doctoral School of Mathematics at University of Padova.

Since 2005 I collaborate with the Scuola Galileiana di Studi Superiori, an excellence school of the University of Padova, as teacher in mathematical analysis and probability courses, as tutor as well as of student selection for the admission to the first year.

Since 2011 I collaborate with ENSTP – École Nationale Supérieure des Travaux Publics in Yaounde (Cameroon) in a joint cooperation between Padova University, teaching Mathematical Analysis courses.

Other informations

I did my civil service alternative to the military service working for one year (1997) at the Pharmacological Research Institute Mario Negri of Milan, collaborating to develop mathematical models in pharmacokinetics for cancer chemotherapy.

Since 2000 I'm interested in social problems and I cooperate with an ONG in Padova, working with victims of traffic of human beings for sexual exploitation.

In 2009 I've been elected to the municipal council of the City of Padova where I'll be in charge up to 2014. My main interests are in social and cultural policies, with particular attention to integration of migrants in Italy.