



CURRICULUM VITAE ET STUDIORUM

Personal details

Family name: NOTA
First name: ALESSIA
Date of birth: 19/04/1987
Place of birth: ROMA
Nationality: ITALIAN
Address:
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Languages

Italian native language
English advanced writing, reading and speaking
French intermediate writing, reading and speaking

Computer skills

programming languages: C, C++, MATLAB, Mathematica, CoCoa;
markup language: Latex;
package: Ms-Office;
operating system: Linux, Mac OsX, Microsoft Windows.

Education

- *High School Diploma* 2000-2005
Liceo Scientifico Statale "Augusto Righi" (00187, Roma)
Final grade 100/100
- *Undergraduate studies:* 10/2005-10/2008
Bachelor in Mathematics, Sapienza, Università di Roma
Final grade 110/110 cum laude
Thesis in Mathematical Analysis

Dissertation title: "Onde viaggianti per equazioni di reazione-diffusione."

Supervisor: Corrado Mascia

- *Graduate studies:* 11/2008-3/2011
Master in Mathematics, Sapienza, Università di Roma
Final grade 110/110 cum laude
Thesis in Mathematical Physics
Dissertation title: "Teoremi adiabatici e applicazioni all'Effetto Hall quantistico."
Supervisor: Gianluca Panati
- Selected for a research training fellowships for post-graduate students, Sissa, Trieste:
Starting date May 5, 2011; ending date July 5, 2011
Area: Mathematical Physics
Supervised by Prof. Gianfausto Dell'Antonio and Prof. Ludwik Dabrowski.
- Ph.D student 10/2011 up to now
Mathematics Department Guido Castelnuovo, Sapienza, Università di Roma
(XXVII ciclo)
Subject area: Mathematical Physics (Kinetic theory)
Supervisor: Prof. Mario Pulvirenti

RELEVANT INFORMATION:

Participation to Workshops and summer schools:

- SMI (Scuola Matematica Interuniversitaria) Perugia (Italy), August 2009
(attending the following courses: Differential Equations in Mathematical Physics and Functional Analysis);
- Fourth School and Workshop on "Mathematical Methods in Quantum Mechanics" Bressanone (Italy), February 14-19, 2011;
- "Trails in a non commutative land" Sissa, Trieste (Italy), May 18-20, 2011;
- "Nonlinear hyperbolic pdes, dispersive and transport equations: analysis and control" Sissa, Trieste (Italy), May 30- June 03, 2011;
- "Meccanica Quantistica e dintorni", L'Aquila, March 22-23, 2012.
- "Mechanics: classical, statistical and quantum" (A conference in honor of the 70th birthday of Giovanni Gallavotti), Roma, July 2-5, 2012.
- "Meeting on Applied Mathematics and Calculus of Variations", Roma, September 4-7, 2012.
- "XXXVII SUMMER SCHOOL ON MATHEMATICAL PHYSICS", Ravello, September 23-29, 2012.
- "Trails in Quantum Mechanics and Surroundings", Frascati, January 29-February 02, 2013
- "Probability and Statistical Mechanics" (A workshop in occasion of Pierre Picco 60th birthday), L'Aquila, May 2-4, 2013

- “Kinetic Description of Multiscale Phenomena” Heraklion, Crete, June 17-28, 2013

Given talks:

- “A diffusion limit for a test particle in a random distribution of scatterers” (Kinetic Description of Multiscale Phenomena, Heraklion, Crete, 17-28 Giugno 2013)
- “A rigorous derivation of linear kinetic equation of Fokker-Planck type in the limit of grazing collisions” (XXXVII SUMMER SCHOOL ON MATHEMATICAL PHYSICS, Ravello, September 23-29, 2012)

Research paper:

- A diffusion limit for a test particle in a random distribution of scatterers
G. Basile, A. Nota, and M. Pulvirenti
Available on arXiv:1307.2157. To appear in Journal of Statistical Physics.