

Andrea Sacchetti - Curriculum Vitae et Studiorum

Personal Data

- First Name: Andrea
- Family Name: Sacchetti
- Gender: Male
- Nationality: Italian
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 - Department of Physics, Informatics and Mathematics,
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Academic Data

- 1988: Master in Mathematics, National Institute of Higher Mathematics (INdAM), Florence
- 1987: Degree in Mathematics, University of Modena
- 1982: Diploma in Computer Sciences, Technical school in Modena

Positions

- 2001: Full Professor of Mathematical Physics, Faculty of Sciences, University of Modena
- 1999-2001: Associate Professor of Mathematical Physics
- 1990-1999: Assistant Professor of Mathematical Physics
- 1988-1990: Computer Sciences Teacher in Technical schools in Modena

Visiting at:

- I.M.A. (Minneapolis, USA)
- E.S.I. (Wien, Austria)
- Centre de Physique Theorique (Luminy/Marseille, France)
- Newton Institute (Cambridge, UK)
- I.P.A.M. (Los Angeles, USA)
- University of Sendai (Sendai, Japan)

Teaching arguments

- Mathematical Physics
- Calculus
- Mathematical Methods of Physics
- Introductory course in Statistical and Probability

Languages

Level of Knowledge of the languages:

- Italian: mother-tongue;
- English: good (both written and spoken);

Research arguments

- Quantum transport models in crystals
- Semiclassical methods and Mathematical methods of quantum mechanics
- Periodic differential equations

- Nonlinear Schroedinger equations
- Inverse problems
- Spectral theory of linear operators

Research publications

- Author of 63 research papers published on peer review international scientific journals
- Author of two chapters of book

Research Manager

- Head of the national research project INdAM (Istituto Nazionale di Alta Matematica – National Institute of High Mathematics) “*Mathematical modeling and numerical analysis of quantum systems with applications to nanosciences*”, years 2005 and 2006;
- Head of the national project GNFM-INdAM “*Comportamenti Classici di Sistemi Quantistici – Classical Behaviour in Quantum Systems*”, years 2003 and 2004.

Organization of conferences and congresses

- Modena 18 - 20 Dicembre 2003, National Congress “*Problemi Matematici in Meccanica Quantistica*”.
- Bressanone 21 - 26 Febbraio 2005, First International School and Workshop on “*Mathematical Methods in Quantum Mechanics*”.
- Modena 5 - 7 Ottobre 2006, National Congress “*Problemi Matematici in Meccanica Quantistica*”.
- Bressanone 26 Febbraio – 3 Marzo 2007, Second International School and Workshop on “*Mathematical Methods in Quantum Mechanics*”.
- Bressanone 16 Febbraio – 21 Febbraio 2009, Third International School and Workshop on “*Mathematical Methods in Quantum Mechanics*”.
- Bressanone 14 Febbraio – 19 Febbraio 20011, Fourth International School and Workshop on “*Mathematical Methods in Quantum Mechanics*”.

Affiliations

- Member of the IAMP “*International Association of Mathematical Physics*”
- Member of the GNFM-INdAM “*Gruppo Nazionale per la Fisica Matematica*”

Assignments

- Member of the Scientific Board GNFM-INdAM (2009-2017)
- Member of the “*Senato Accademico dell’Università degli Studi di Modena e Reggio Emilia*” (2010-2015).
- Rapporteur of PhD Thesis at the Universities of Aix Marseille, Cosenza, Padova, Toulouse and Turin.
- Head of the Department of Physics, Informatics and Mathematics, from November 1st, 2015 to October 31, 2018.
- Corresponding member of the “*Accademia Nazionale di Scienze, Lettere ed Arti di Modena*”
- Member of the Advisory Panel of Journal of Physics A: Mathematical and Theoretical