

Nico Michele Schiavone

Curriculum Vitae



Personal Data

Date of Birth

Nationality

Gender

Current position

PhD student in Mathematics XXXIV ciclo, *Sapienza Università di Roma*, Roma, Italy.

Education

2016–2018 **Master's degree in Mathematics**, *Università degli studi di Bari*, Bari, Italy.

- Final mark: 110/110 cum laude. Graduation day: 11/10/2018
- Grade point average: 29.23/30

12/01/2018– **Global Thesis exchange student**, *Future University Hakodate*, Hakodate, Japan.

- As a winner of the Global Thesis study award, I wrote my Master's thesis in Hakodate (Japan) under the supervision of Prof. Hiroyuki Takamura
- This collaboration produced a paper, appeared on arXiv.org and to be published in the book *New Tools for Nonlinear PDEs and Application* (Birkhäuser)

2013–2016 **Bachelor's degree in Mathematics**, *Università degli studi di Bari*, Bari, Italy.

- Final mark: 110/110 cum laude. Graduation day: 16/12/2016
- Grade point average: 29.25/30

2008–2013 **High school graduate**, *Liceo scientifico E. Amaldi*, Bitetto BA, Italy.

- Final mark: 100/100

Theses

Master's Thesis

Title *Blow-up for semilinear wave equations with scattering damping and negative mass term*

Supervisors Professor Sandra Lucente & Professor Hiroyuki Takamura

Description In this thesis we achieved new results on the blow-up of the energy solution for a special kind of semilinear wave equations with scattering damping and negative mass term

Bachelor's Thesis

- Title *Stime $L^p - L^q$ per Somme Trigonometriche e Integrali Oscillanti*
($L^p - L^q$ Estimates for Trigonometric Sums and Oscillatory Integrals)
- Supervisor Professor Sandra Lucente
- Description We studied the asymptotic behaviour for the best constant in $L^p - L^q$ estimates for trigonometric polynomials and for an integral operator related to the solution of the inhomogeneous Schrödinger equation

Attended conferences, schools & workshops

- 24/09/2018–28/09/2018 **Workshop MAR: Metric Analysis & Regularity**, *Università degli studi di Catania*, Catania, Italy.
- 02/07/2018–13/07/2018 **The 11th Mathematical Society of Japan Seasonal Institute (MSJ-SI 2018) – The Role of Metrics in the Theory of Partial Differential Equations**, *Hokkaido University*, Sapporo, Japan.
I attended the symposium thanks to the generous invitation of Prof. Hiroyuki Takamura. I participated to the poster session to exhibit our recent results.
- 06/05/2018–10/05/2018 **Junior Math Days**, *SISSA – Scuola Internazionale Superiore di Studi Avanzati*, Trieste, Italy.
- 16/04/2018–20/04/2018 **Introduction to the theory of self-adjoint operators**, *BCAM – Basque Centre for Applied Mathematics*, Bilbao, Spain.
Course of five lessons held by Dr. Fabio Pizzichillo
- 20/12/2017–21/12/2017 **Xmaths Workshop**, *Università degli studi di Bari*, Bari, Italy.
- 24/07/2017–18/08/2017 **Scuola Matematica Interuniversitaria Perugia 2017**, *University of Perugia*, Perugia, Italy.
I attended the courses:
○ *Introduction to Partial Differential Equations*, Prof. Fausto Ferrari & Prof. Raffaella Servadei. Exam grade: A
○ *Differential Geometry*, Prof. Francesco Mercuri. Exam grade: B
- March–June 2017 **INdAM Intensive Period – Contemporary research in elliptic PDEs and related topics**, *Università degli studi di Bari*, Bari, Italy.
A series of ten minicourses in contemporary mathematics. Organizers: Prof. Serena Dipierro, Prof. Enrico Valdinoci

Awards & Grants

- 2018 **Global Thesis study award 2016–2017**, *Università degli studi di Bari*, Bari, Italy.
- 2018–2017–2016–2015 **Book token for deserving students**, *Università degli studi di Bari*, Bari, Italy.
Winner for four consecutive academic years of a prize of 260.00€ to be used for the purchase of books. Requirements include passing all the exams by October 31 of each academic year with a grade point average of not less than 29/30

Publications

- [1] N.-A. Lai, N.M. Schiavone, H. Takamura, *Wave-like blow-up for semilinear wave equations with scattering damping and negative mass*. arXiv preprint arXiv:1804.11073 (2018). Submitted for publication on *New Tools for Nonlinear PDEs and Application*, Birkhäuser

Computer skills

Very good knowledge Microsoft Office tools (Word, Excel, PowerPoint, Outlook), \LaTeX

Basic knowledge MATLAB, Octave, SageMath, C++

Certificates

19/04/2012 ECDL CAD

04/03/2011 ECDL-European Computer Driving License

Languages

Italian **Mothertongue**

English **Intermediate** *Cambridge English: First (FCE) – Level B2 (23/11/2012)*

Language abroad experiences

16/07/2012–06/08/2012 **Concorde International study trip**, University of Worcester, St John's Campus, Worcester, United Kingdom.

◦ Within the project *C1-FSE02-POR PUGLIA-2012-192 "Across cultures 3"* financed by European funds

◦ ESOL certificate of attendance equivalent to CEF level B2

◦ Attended English language course in preparation for the First Certificate in English exam

16/07/2008–30/07/2008 **MLA Tour Operator study trip**, Heriot-Watt University, Edinburgh Campus, Edinburgh, United Kingdom.

◦ Attended English language course.

Additional information

29/09/2017 Scientific animator at *Notte Europea dei Ricercatori 2017* ("European Night of Researchers"), held in Bari

Date

09/11/2018

Signature

3/3

Nico Michele Schiavone