

Lorenzo Pompili

Curriculum vitae

Personal data

Place and Date of Birth: Rome (Italy) | 19th October 1996 (Age: 26)
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Education

Oct. 2020 Present	<i>PhD student in Mathematical Analysis</i> University of Bonn Advisor: Prof. Dr. Herbert Koch
Sep. 2018 Sep. 2020	<i>Master's Degree in Mathematics</i> Sapienza University of Rome Final grade: 110/110 with honors Weighted average of marks: 29,57/30 <u>Thesis: "A class of Infinite Energy Solutions to the Supercritical NLS"</u> Advisor: Professor Piero D'Ancona
Sep. 2015 Sep. 2018	<i>Bachelor's Degree in Mathematics</i> Sapienza University of Rome Final grade: 110/110 with honors Weighted average of marks: 29,72/30 Thesis: " <i>Penrose Transform and Applications</i> " Advisor: Professor Piero D'Ancona

Publications and preprints

1. *On the stability of the KP-II line soliton via a Bäcklund transformation.*
Preprint. (Available soon on Arxiv, March 2023).

Talks

3. *Insalate di Matematica*, Department of Mathematics and Applications of the Università degli Studi di Milano-Bicocca, March 2022
2. *Graduate seminar on Advanced Topics in PDE*, University of Bonn, April 2023 (planned)
1. Hiroshima University, June 2023 (planned)

Research trips

03 - 31 June 2023 (planned)	Visiting student position with the <i>Global Math Exchange Program</i> Venue: Hiroshima University (Hiroshima, Japan) Host: Prof. Tetsu Mizumachi Funding: BIGS mathematics
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Scholarships, Funding and Awards

- *Oberwolfach Leibniz Graduate Students grant*, June 2022
- *DAAD scholarship "Graduate School Scholarship Programme, 2020"*, 2020-2023
- *Excellence programme - Master's degree in Mathematics*, Sapienza University of Rome, 2020
- *Excellence programme - Bachelor's degree in Mathematics*, Sapienza University of Rome, 2018

Academic Activities

Oct. 2022 Jan. 2023	Teaching assistance for Bachelor's seminar course " <i>S2B2 - Hauptseminar Partielle Differentialgleichungen</i> ", with Prof. H. Koch Mathematical institute, University of Bonn
Oct. 2021 Jan. 2022	Teaching assistance for Master's seminar course " <i>S5B2 - Graduate Seminar on PDE in the Sciences - Evolution equations in fluid dynamics</i> ", with Prof. H. Koch Mathematical institute, University of Bonn
Mar. 2020 Jun. 2020	Online tutoring activities for Analysis and Geometry undergraduate courses Mathematics department, Sapienza University of Rome

Conferences and Schools

26 - 31 Mar. 2023 (planned)	<i>Workshop on Analysis of PDEs in Karlsruhe</i> Place: KIT (Karlsruhe, Germany) Organizers: X. Liao
20 - 26 Nov. 2022	<i>Oberwolfach Seminar: Operator-Adapted Spaces in Harmonic Analysis and PDEs</i> Place: MFO (Oberwolfach, Germany) Organizers: P. Auscher, M. Egert, D. Frey
23 - 29 Oct. 2022	<i>Oberwolfach Seminar: Free boundary problems in fluid dynamics</i>

Curriculum vitae – 28/02/2023

	Place: MFO (Oberwolfach, Germany) Organizers: T. Alazard, D. Ifrim, D. Tataru
25 - 30 Sep. 2022	Summer School: <i>Geometric dispersive PDEs</i> Place: University Center Obergurgl (Obergurgl, Austria) Organizers: T. Lamm, B. Schoerhuber, T. Weth
08 - 12 Aug. 2022	Hausdorff School: <i>Geometric analysis and Nonlinear Partial Differential Equations</i> Place: University of Bonn (Bonn, Germany) Organizers: T. Laux, T. Simon
25 - 29 Jul. 2022	Summer School: <i>2nd IST Austria Summer School in Analysis and PDEs</i> Place: IST Austria (Klosterneuburg, Austria) Organizers: L. Erdős, J. Fischer, J. Maas, R. Seiringer
26 Jun. - 02 Jul. 2022	Workshop: <i>Nonlinear Waves and Dispersive Equations</i> Place: MFO (Oberwolfach, Germany) Organizers: H. Koch, P. Raphael, D. Tataru, M. Visan
03 - 08 Apr. 2022	Research School: <i>Mathematical Advances in Geophysical Flows</i> Place: CIRM (Marseille Luminy, France) Organizers: R. Danchin, M. Hieber, S. Monniaux, C. Perrin