

## Felice Iandoli

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### CONTACT INFORMATION

Laboratoire Jacques  
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### RESEARCH INTERESTS

Microlocal Analysis, Dispersive Estimates, Wave and Schrödinger Equations, Dynamical Systems, Nonlinear Dispersive PDEs, Normal Forms

### CAREER AND EDUCATION

#### Laboratoire J.L. Lions, Sorbonne Université

Post-doctoral researcher funded by ERC ANADEL, *starting from October 1-st, 2019.*

#### Laboratoire J.A. Dieudonné, Université de Nice

Post-doctoral researcher funded by ERC ANADEL, *November 1-st, 2018-30 September, 2019.*

#### SISSA

Ph.D. in Mathematical analysis, models and applications.

The thesis has been defended on 26/09/2018, the examination has been passed *cum laude*.

- Title of the thesis: Local and almost global solutions for fully-nonlinear Schrödinger equations on the circle
- Advisors: Prof. Massimiliano Berti and Dr. Roberto Feola

#### University of Pisa

Master degree in mathematics, grade: 110/110 *cum laude*

- Title of dissertation: Teoria di scattering per NLS (eng: Scattering theory for NLS)
- Advisor: Prof. Nicola Visciglia

### PUBLICATIONS

F. IANDOLI, R. SCANDONE, *Dispersive estimates for Schrödinger operators with point interactions in  $\mathbb{R}^3$* , Advances in Quantum Mechanics: Contemporary Trends and Open Problems, A. Michelangeli and G. Dell'Antonio, eds., Springer INdAM Series, vol. 18, Springer International Publishing, (2017).

R. FEOLA, F. IANDOLI, *Local well-posedness for quasi-linear NLS with large Cauchy data on the circle*, Annales de l'Institut Henri Poincaré (C) Non Linear Analysis, 36(1): 119-164, 2019. 10.1016/j.anihpc.2018.04.003, (2018).

R. FEOLA, F. IANDOLI *Long time existence for fully nonlinear NLS with small Cauchy data on the circle*, accepted on Annali della scuola Normale Superiore di Pisa, DOI: 10.2422/2036-2145.201811-003 (preprint: arxiv.org/abs/1806.03437), (2019).

### ATTENDED CONFERENCES

*Normal forms and large time behavior for nonlinear PDE*, 2015, IHES, Bures-sur-Yvette, France.

*Nonlinear Waves 2016: Summer School*, 2016, Centre Henri Lebesgue, Nantes, France.

*Hamiltonian Dynamics, PDE's and Waves on the Amalfi coast*, 2016, Maiori, Italy.

*Winter School "Dynamics and PDE's"*, 2017, Saint-Etienne de Tinée, France.

*Linear and Nonlinear Wave Phenomena: Stability, Propagation of Regularity and Turbulence*, 2018, Cortona, Italy.

*Quantum Resonances and Related Topics (conference in honor of André Martinez)*, 2019, Paris, France.

*Dispersive Waves and Related Topics (conference in honor of Gilles Lebeau)*, 2019, Bergen, Norway.

*New Trends in Propagation of Linear and Nonlinear Wave Phenomena*, 2019, Erice, Sicily.

INVITED  
CONFERENCES

Invited speaker at:

- *Dynamics of nonlinear dispersive PDE's*, February 2018, La Thuile, Italy, Invited by Prof. Nicola Visciglia.
- *Nonlinear Dispersive PDE's*, October 2018, Università Sapienza, Rome, Italy, Invited by Prof. Oana Ivanovici.
- *Hamiltonian PDEs and nonlinear waves*, February 2019, La Thuile, Italy, Invited by Dr. David Lafontaine.

SEMINARS

*Local and almost global solutions for fully non-linear Schrödinger equations on the circle*, 2018, Laboratoire J.A. Dieudonné, Nice, France, Invited by Prof. Oana Ivanovici.

*On the quasi-linear Schrödinger equations on the circle*, 2018, Università di Pisa, Pisa, Italy, Invited by Prof. Vladimir Georgiev.

VISITING  
RESEARCHER

From October 1-st, to 31 October, 2018, Laboratoire J.A. Dieudonné, Nice, France, Invited by Prof. Oana Ivanovici.

SPOKEN LANGUAGES

- Italian: mother tongue
- English: fluent
- French: independent user