

## Curriculum Vitae of Felisi, Alessandro, 24 July, 2023

**Personal detail:** Born in        in Milan (Italy). Italian citizen.

**Current position:** **Ph.D. student in Matematica e Applicazioni** (November 2021 - present), Università di Genova (Italy), supervisor: Giovanni S. Alberti.

### Education and degree completed:

- 25 February 2021: **MSc in Mathematics** (110/110 cum laude), Università degli Studi di Milano Statale (Italy) - “Approximation and Regularization for the Inverse Conductivity Problem”, supervisor: Luca Rondi.
- 18 December 2018: **BSc in Mathematics** (110/110 cum laude), Università degli Studi di Milano Statale (Italy).

### Research interests:

Applied Harmonic Analysis, Inverse Problems, Partial Differential Equations.

### Scientific talks:

- 3 - 7 July 2023: “29th Nordic Congress of Mathematicians with EMS”, Aalborg University (Denmark) - “Compressed sensing for the sparse Radon transform”.
- 12 - 16 June 2023: “Ulysseus Spring School in PDEs (USSPDE)”, Siviglia (Spain) - “Full discretization and regularization for the Calderón problem”.
- 18 - 22 September 2022: “Second Conference of Young Applied Mathematicians in Arenzano”, Arenzano, Genova (Italy) - “Generalized compressed sensing for inverse problems”.
- 12 - 16 September 2022: “8th International Conference on Computational Harmonic Analysis”, Ingolstadt (Germany) - “Sample complexity of ill-posed inverse problems via compressed sensing”.
- 30 May - 01 June 2022: “XLI Convegno di Analisi Armonica”, Università di Genova (Italy) - “Generalized compressed sensing for inverse problems”.

### Attended Conferences/Schools:

- 3 - 7 July 2023: “29th Nordic Congress of Mathematicians with EMS”, Aalborg University (Denmark).
- 12 - 16 June 2023: “Ulysseus Spring School in PDEs (USSPDE)”, Siviglia (Spain).
- 18 - 22 September 2022: “Second Conference of Young Applied Mathematicians in Arenzano”, Arenzano, Genova (Italy).
- 12 - 16 September 2022: “8th International Conference on Computational Harmonic Analysis”, Ingolstadt (Germany).
- 05 - 09 September 2022: Summer school “Applied Harmonic Analysis and Machine Learning”, Università di Genova (Italy).
- 25 - 28 July 2022: Summer school “Geometric Deep Learning”, Università di Pescara (Italy).
- 12 - 20 July 2022: Summer school “Computer Vision Crash Course”, MaLGa - Machine Learning Genoa Center, Università di Genova (Italy).
- 12 - 20 July 2022: Summer school “Deep Learning: a hands-on introduction”, MaLGa - Machine Learning Genoa Center, Università di Genova (Italy).
- 27 June - 01 July 2022: Summer school “Machine Learning Crash Course”, MaLGa - Machine Learning Genoa Center, Università di Genova (Italy).
- 05 - 10 June 2022: “11th International Conference on Harmonic Analysis and Partial Differential Equations”, El Escorial, Madrid (Spain).

- 30 May - 01 June 2022: “XLI Convegno di Analisi Armonica”, Università di Genova (Italy).
- 24 - 25 February 2022: MIVA Winter Ph.D. school on “Advanced methods for mathematical image analysis”, Università di Bologna (Italy).
- 14 - 15 February 2022: MIVA Winter Ph.D. school on “Advanced methods for mathematical image analysis”, Università di Genova (Italy).
- 07 - 08 February 2022: MIVA Winter Ph.D. school on “Advanced methods for mathematical image analysis”, Università di Modena e Reggio Emilia (Italy).
- 31 January - 02 February 2022: MIVA Winter Ph.D. school on “Advanced methods for mathematical image analysis”, Università dell’Insubria (Italy).

### Teaching:

- 2022/2023, 2nd semester - *Supporto alla didattica* for Calculus I at DIBRIS (UniGe), with Prof. Tommaso Bruno and Prof. Federico Benvenuto - 40 tutoring hours.

### Publications:

*Preprints (submitted):*

- G. S. Alberti, A. Felisi, M. Santacesaria and I. Trapasso. “Compressed sensing for inverse problems and the sample complexity of the sparse Radon transform”, *ArXiv e-prints*, arXiv:2302.03577, (2023).
- A. Felisi and L. Rondi. “Full discretization and regularization for the Calderón problem”, *ArXiv e-prints*, arXiv:2112.11489, (2021).

### Memberships/Affiliations:

- Aderente a GNAMPA (2023)
- Member of *Unione Matematica Italiana (UMI)*.