Edoardo Giovanni Tolotti

PhD Student in Mathematics

Università di Pavia

✉ Email | ⌂ Homepage | Ⓘ ORCID

Education

Università di Pavia — *Pavia, Italy*
Ph.D. in Mathematics — *2022 - Present*
- Advisor: Professor Maria Giovanna Mora
- Main research topics: Dimension reduction, Γ-Convergence, Nonlinear Elasticity, Shape Optimization, Dislocations.

Università di Pavia — *Pavia, Italy*
Master degree in Mathematics — *2020 - 2022*
- Advisor: Professor Maria Giovanna Mora
- Thesis: On a strain gradient plasticity model accounting for the Burgers vector and plastic spin
- Grade: 110L/110

Università di Pavia — *Pavia, Italy*
Bachelor degree in Mathematics — *2017 - 2020*
- Advisor: Professor Stefano Gualandi
- Thesis: Algoritmi per il trasporto ottimo semidiscreto e stampa 3D
- Grade: 110L/110

Publications

Preprints

Tolotti, E.G.. 2024. Stability of the Von Kármán regime for thin plates under Neumann boundary conditions. arXiv:2409.01748 [math.AP].

Awards, Fellowships, & Grants

2020 - 2022	**Merit scolarship**, Università di Pavia	*€ 12,000*
2024	**Student Paper Competition Finalist**, The 14th AIMS conference	

Presentations

Talks and Posters

The 14th AIMS Conference on Dynamical Systems and Differential Equations, Abu Dhabi (UAE), December 16-20, 2024, **invited speaker**: *Stability of the Von Kármán regime for thin plates under Neumann boundary conditions*.

Heriot-Watt Analysis Seminar, Edinburgh (UK), October 2, 2024, **invited speaker**: *Stability of the Von Kármán regime for thin plates under Neumann boundary conditions*.

Italian-Japanese Workshop on Variational Perspectives for PDEs, Pavia (IT), September 9-13, 2024, **poster presentation**: *Stability of the Von Kármán regime for thin plates under Neumann boundary conditions*.

Diffuse Interface Methods in Continuum Mechanics: Analysis, Singular Limits, and Alghoritms, Cetraro (IT), July 8-12, 2024, **poster presentation**: *Stability of the Von Kármán regime for thin plates under Neumann boundary conditions*.

Lions-Magenes Days 2024, Pavia (IT), May 21-22, 2024, **poster presentation**: *On the hierarchy of plate models for a singularly perturbed multi-well nonlinear elastic energy*.

Variational and Geometric Structures for Evolution, Levico Terme (IT), October 8-13, 2023, **contributed talk**: *On the hierarchy of plate models for a singularly perturbed multi-well nonlinear elastic energy*.

Hausdorff School Analysis of PDEs: Variational and Geometric perspectives, Bonn (GE), July 10-14, 2023, **poster presentation**: *On the hierarchy of plate models for a singularly perturbed multi-well nonlinear elastic energy*.

Teaching Experience

Spring 2024	**Ingegneria elettronica e informatica - Analisi matematica 2**, Teaching Assistant	*Università di Pavia*
Summer 2023	**Finance - Real Analysis**, Precourse	*Università di Pavia*
Spring 2023	**Bioingegneria - Analisi matematica 2**, Teaching Assistant	*Università di Pavia*
Spring 2023	**Ingegneria elettronica e informatica - Analisi matematica 2**, Teaching Assistant	*Università di Pavia*