Andrea Chiesa

Curriculum Vitae

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Personal Information

Name	Andrea Chiesa
Nationality	Italian
Date of Birth	24th October 1997
Place of Birth	Ivrea (TO), Italy

Currently

2021–Present **Ph.D. in Applied Mathematics**,
University of Vienna, Faculty of Mathematics,
Advisor: Prof. Ulisse Stefanelli,
Planned defense: June/July 2025

2024–Present **Project member**,
WTZ scientific and technological cooperation project of the OeAD between Austria and the Czech Republic, 01.01.2024 - 31.12.2025,
Project: Interface-bulk interactions in solids,
PI: Fabian Rupp (University of Vienna) and Martin Horák (Czech Technical University in Prague), Budget: 7700 Euro

2021–Present **Member**,
Vienna School of Mathematics

Education

2019–2021 **Master in Mathematics**,
Università degli Studi di Torino, Dipartimento di Matematica G. Peano,
Title: *Variational methods in material sciences: the data-driven approach*,
Supervisor: Susanna Terracini (Università degli Studi di Torino) and Simone Dovetta (Politecnico di Torino)
Date of the defense: 15/07/2021
Grade: 110/110 cum laude

2016–2019 **Bachelor in Mathematics**,
Università degli Studi di Torino, Dipartimento di Matematica G. Peano,
Title: *The Cauchy–Kovalevskaya Theorem*,
Supervisor: Walter Dambrosio (Università degli Studi di Torino)
Date of the defense: 19/07/2019
Grade: 110/110 cum laude

2016–2021 **Scuola di Studi Superiori Ferdinando Rossi**,
Università degli Studi di Torino, an institution of excellence and higher education for University Studies
Date of the defense: 20/12/2021
Grade: 60/60

2011–2016 **Liceo Classico Statale "Carlo Botta"**,
with additional courses in mathematics and science, Ivrea, Italy,
High School Diploma: *100 cum laude*

Publications

March 2025 A. Chiesa, K. Švadlenka. *Convergence of thresholding energies for anisotropic mean curvature flow on inhomogeneous obstacle.* Preprint: ArXiv:2503.20524

January 2025 A. Chiesa, U. Stefanelli. *Viscoelasticity and accretive phase-change at finite strains.* Z. Angew. Math. Phys. 76, 53 (2025). DOI: 10.1007/s00033-025-02434-9

August 2024 A. Chiesa, M. Kružík, U. Stefanelli, *Finite-strain Poynting-Thomson model: Existence and linearization.* Math. Mech. Solids. 30, 4 (2024). DOI: 10.1177/10812865241263788

Awards and Scholarships

October-November 2024 **Mobility Fellowships of the International Office of the University of Vienna**, *two months research visit in the group of Prof. Keisuke Takasao*, University of Kyoto, Japan

April-May 2023 **Mobility Fellowships of the International Office of the University of Vienna**, *two months research visit in the group of Prof. Karel Svadlenka*, University of Kyoto, Japan

September 2017 One-week seminars and workshops at ALFACLASS Summer School of Mathematics of the University and Politecnico of Turin in cooperation with Fondazione CRT

September 2018 Scholarship holder to attend the Digital and Cognitive Musicology Laboratory (DCML) Workshop at the École Polytechnique Fédérale de Lausanne (EPFL)

Research Stays

October-November 2024 **Prof. Keisuke Takasao**, *Kyoto University, Japan*
Project: Phase field methods for anisotropic mean curvature flow

January 2024 **Prof. Martin Kružík**, *Institute of Information Theory and Automation, Czech Academy of Sciences, Czech Republic*
Project: Finite-strain rheological models

April-May 2023 **Prof. Karel Svadlenka**, *Kyoto University, Japan*
Project: Dewetting dynamics of anisotropic particles

Talks and Seminars

January 2025 *Viscoelasticity and accretive phase-change at finite strains*, 24th GAMM Seminar on Microstructures, Berlin.

November 2024 *Wetting and dewetting dynamics of anisotropic particles*, Geometric Analysis and Phenomena, Kyoto.

February 2024 *Dewetting dynamics of anisotropic particles: a preliminary result for a level-set approach*, Calculus of Variations in Siena, Siena.

November 2023 *Dewetting dynamics of anisotropic particles: a preliminary result for a level-set approach*, Third Austrian Calculus of Variations Day, Vienna.

July 2023 *Finite-strain Poynting-Thomson model: Existence and linearization*, Politecnico di Torino, Torino.

April 2023 *Finite-strain Poynting-Thomson model: Existence and linearization*, Kyoto University Applied Mathematics Seminar (KUAMS), Kyoto.

January 2023 *Finite-strain Poynting-Thomson model: Existence and linearization*, 21st GAMM Seminar on Microstructures, Vienna.

November 2022 *Finite-strain Poynting-Thomson model: Existence and linearization*, Second Austrian Calculus of Variations Day, Salzburg.

January 2022 *Variational methods in material sciences: the data-driven approach*, PDE Afternoon Seminar, Vienna.

Teaching Experience

12/2024–01/2025 Analysis for Physicists I - Exercises, University of Vienna

10/2020–05/2021 Analysis 1 - Exercises, Università degli Studi di Torino

Languages

Italian Mother tongue

English C1 *TOEFL iBT 110/120*

German B2

Additional Skills

Programming Working knowledge of Python and Matlab

Music Classical Piano (8 years)