

Curriculum Vitæ et Studiorum

Enrico Sartor

Personal and contact information

Name: Enrico **Surname:** Sartor

E-mail addresses: enrico00.sartor@gmail.com, enrico.sartor@centralesupelec.fr

Telephone number: +39 333 8541492

Date and place of birth: 14/05/2000, San Vito al Tagliamento (PN), Italy

Citizenship: Italian

1 Education

- **École Doctorale Jacques Hadamard (EDMH), Université Paris-Saclay.** *PhD in Applied Mathematics.* Since 01/10/2025
Host laboratory: Laboratoire des Signaux et Systèmes, CentraleSupélec
Advisors: Riccardo Bonalli, Laurent Pfeiffer
Thesis: “Stochastic optimal control under dynamics uncertainty”
- **Università degli Studi di Udine.** *Laurea Magistrale in Matematica* [Master’s Degree in Mathematics]. 09/2022–08/10/2024
Final grade: 110/110 *cum laude* (GPA: 30/30).
Advisors: Florian Dörfler (ETHZ), Nicolas Lanzetti (ETHZ), Lorenzo Freddi.
Thesis: “A Pontryagin minimum principle for sparse optimal control in the Wasserstein space”.
- **Università degli Studi di Udine.** *Laurea Triennale in Matematica* [Bachelor’s Degree in Mathematics]. 09/2019–11/10/2022.
Final grade: 110/110 *cum laude* (GPA: 29.16/30).
Advisor: Guglielmo Feltrin.
Thesis: “Improbability of collisions in the N-body problem”.
- **Scuola Superiore Universitaria di Toppo Wassermann.** *Master di secondo livello* [II Level University Master’s Degree]. 09/2019-14/03/2024.
Final grade: 110/110 *cum laude* (GPA: 30/30, *cum laude*). The Scuola Superiore Universitaria di Toppo Wassermann is a higher learning institution based on merit and modelled on the Scuola Normale Superiore di Pisa. The students, selected through a written and oral examination, receive a scholarship and are required to maintain high academic standards and attend additional disciplinary and interdisciplinary courses.

2 Pre-doctoral scientific positions

- **Chair of Dynamics, Control, Machine Learning and Numerics–FAU Erlangen–Nuernberg.** *Vorbereitung eines Promotionvorabens* [Research training program]. 01/11/2024–31/08/2025.
Advisor: Enrique Zuazua.

- **ETH Zürich, Automatic Control Laboratory.** *NCCR Automation Fellowship Awardee* (visiting Master's student). 01/2024–06/2024.
Supervisor: Florian Dörfler.

3 Scientific events attended

1. *PGMODAYS 2025*, Fondation Hadamard, EDF Lab Paris-Saclay (France), 18/11/2025–19/11/2025
2. *Control and Machine Learning*, IEECI-IGSC, Dubrovnik (Croatia), 30/06/2025–04/07/2025
3. *Machine Learning and PDEs*, Research Center for Mathematics of Data (Friedrich-Alexander-Universität), Erlangen (Germany), 28/04/2025–30/04/2025
4. *Oberwolfach Seminar: Control and Machine Learning*, Mathematisches Forschungsinstitut Oberwolfach, Oberwolfach (Germany), 24/11/2024–29/10/2024.
5. *18th IFAC Workshop on Time Delay Systems*, International Federation of Automatic Control, Udine (Italy), 24/09/2024–27/09/2024.
6. *PDEs, Control and Deep Learning*, CIME (Centro Internazionale Matematico Estivo), Cetraro (Italy), 22/07/2024–26/07/2024.
7. *Differential equations and dynamics in Alba*, Università degli Studi di Udine, Alba (Italy), 11/09/2023–13/09/2023.
8. *First Italian School on Geometric Deep Learning*, Università degli Studi di Bologna, Pescara (Italy), 25/07/2022–28/07/2022.

4 Teaching activities

1. **Academic year 2022/2023 (summer semester).** Università degli Studi di Udine.
Course: “Analisi Matematica 2” (Bachelor’s Degree in Mathematics).
Role: Tutoring (lecturer: Paolo Baiti).
Personal teaching load: 30 hours of exercise classes.

5 Academic service

1. Student representative at Università degli Studi di Udine. 06/2021–08/10/2024.

6 Mathematical and programming competitions

1. I was a member of the Scuola Superiore di Toppo Wassermann team at the 2023 International Collegiate Programming Contest (ICPC), Southwestern Europe Regional Contest, where we achieved a ranking of 55th out of 108 teams. Sorbonne University, Paris, 27–28/01/2024.
2. Silver medal at the national *Individual Italian Mathematical Olympiads* of the Unione Matematica Italiana. Cesenatico (Italy), 03/05/2019.
3. Finalist of the national *Team Italian Mathematical Olympiads* of the Unione Matematica Italiana. Cesenatico (Italy), 04/05/2019.
4. Finalist of the national *Team Italian Mathematical Olympiads* of the Unione Matematica Italiana. Cesenatico (Italy), 05/05/2018.

7 Computer skills

- Programming languages: Python (good knowledge), C, and MATLAB (working knowledge).
- Document preparation system: L^AT_EX (good knowledge).