

# 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<sup>A</sup>T<sub>E</sub>X (good knowledge).