

PERSONAL DETAILS

Name	Luca Furieri
Date of birth	11.10.1992
Google Scholar	https://scholar.google.com/citations?user=Sxta_doAAAAJ&hl=it
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Education

- 28.09.2020 **Ph.D. in Information Technology and Electrical Engineering**
ETH Zurich, Switzerland
Advisor: Prof. Maryam Kamgarpour
Thesis: [Optimality in Distributed Control from Convex Programming to RL](#)
- 2016 **Master in Automation Engineering**
University of Bologna, Italy. Grade: 110/110 with honors, average exam grade 29.8/30.0
Master thesis in robotics at ETH Zurich, Switzerland

Current position

- 2023 – ongoing **SNSF Ambizione Fellow and Principal Investigator**
EPF Lausanne, Switzerland
Principal Investigator (PI) of the project: [Reliable machine learning for networked control](#)

Previous positions

- 2020 – 2022 **Postdoctoral scientist**
Laboratoire d'Automatique, EPF Lausanne, Switzerland. Advisor: Prof. Giancarlo Ferrari Trecate
- 2016 – 2020 **Research assistant & Ph.D. student**
Automatic Control Laboratory, ETH Zurich, Switzerland

Awarded research funding

- **Ambizione career grant**, Swiss National Science Foundation , 798'476 EUR
to work as an independent PI and lead my [research project](#), hire and supervise one PhD student.
ongoing: project started on Jan 2023, PhD student *Daniele Martinelli* hired from 15th March 2023.

International awards and recognitions

- [IEEE Transactions on Control of Network Systems Outstanding Paper Award \(source\)](#).
- [ECC Best Student Paper Award \(finalist\)](#)
- [Selected oral presentation at the Learning for Dynamics and Control conference, 2022](#)
- [O. Hugo Schuck Best Paper Award](#).

Invited talks

- 06.2024 University of Stuttgart, *Kolloquium Technische Kybernetik*, (Stuttgart, Germany)
- 07.2023 Tokyo Institute of Technology (Tokyo, Japan)
- 11.2022 Université de Lyon Claude Bernard (Lyon, France)
- 08.2018 Oxford University (Oxford, United Kingdom)
- A total of 9 presentations of my first-author works have been given at control and learning conferences: the IEEE Conference on Decision and Control (CDC), the American Control Conference (ACC), the European Control Conference (ECC), and the Learning for Decision and Control Conference (L4DC).

Student supervision and teaching

- 15.03.2023 – ongoing Supervision of one Ph.D. student
I formally supervise Daniele Martinelli as a PI. The student is hired under my Ambizione career grant.

- 11.2020 – 12.2022 Co-supervision of Ph.D. students
I have mentored Ph.D. students Andrea Martin and Clara Galimberti.
- Supervision of one Master thesis (Daniele Martinelli, 2022) at EPFL and one semester thesis (Luca Varano, 2019) at ETH Zurich.
- Guest lecturer on *optimal distributed control* at EPF Lausanne (2021, 2022).
- Supervision of one Semester Project at ETH Zurich and one Master Thesis at EPF Lausanne.
- Teaching Assistant for 6 semesters at ETH Zurich (Advanced Topics in Control, Linear System Theory, Control Systems II).

Institutional Responsibilities

- Annual scientific reporting (2020, 2021) for one work package of the [NCCR Automation](#).
- Organization of NCCR scientific symposia, events, and research collaborations.
- Reviewer of approximately 40 submissions in the following leading journals and conferences in control theory: IEEE Transactions on Automatic Control (TAC), Automatica, Transactions on Control of Network Systems (TCNS), Control Systems Letters (L-CSS), Nonlinear Analysis: Hybrid Systems (NAHS), IEEE Transactions on Robotic, Learning for Dynamics & Control Conference (L4DC), IEEE Conference on Decision and Control (CDC), American Control Conference (ACC), ACM International Conference on Hybrid Systems: Computation and Control (HSCC), IFAC World Congress.

Patents

- Apparatus for processing horticultural products, Jan 2016,
International application number [PCT/IB2017/050405](#).

References are available upon request.