

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
- 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

PEER RECOGNITION**Awarded research funding**

- **Ambizione career grant**, Swiss National Science Foundation , **17% success rate, 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.
- **Postdoc.Mobility grant**, Swiss National Science Foundation **48% success rate, 81'828 EUR**
to spend 18 months at Harvard University as a Postdoc.
Awarded, Project P2E2P2-195625. **Offer declined by me** (Covid-19).

International awards and recognitions

Four of my first-author research papers have received international recognition:

- **IEEE Transactions on Control of Network Systems Outstanding Paper Award, 2022**. This award recognizes the best paper published in the journal in the last two calendar years. The basis for judging is “*originality, potential impact on the foundations of network systems, importance and practical significance in applications, and clarity*”. TCNS is the leading journal in networked control systems, with an impact factor of 4.2 ([source](#)).
- **ECC Best Student Paper Award (finalist)**. My paper was distinguished as one of the top 5 submissions with a student first author at the European Control Conference (ECC) in 2019.
- **Selected oral presentation** at the Learning for Dynamics and Control conference in Stanford, 2022. The paper was recognized as one of the best 16 out of 176 submissions.
- **O. Hugo Schuck Best Paper Award**. This award recognizes the best application-oriented paper presented at the American Control Conference (ACC) in 2017.

Student supervision and teaching

- 04.2024 – ongoing Creation of a doctoral course
Creation of a new teaching module within the International Graduate School on Control (IGSC) on *Closed-loop system design from convex programming to reinforcement learning*, to be held in 2025.
- 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 co-supervised and 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).
- Teaching Assistant for 6 semesters at ETH Zurich (Advanced Topics in Control, Linear System Theory, Control Systems II).

Institutional Responsibilities

- Organizer of the Workshop *Neural Network control with stability and performance guarantees* at the 2024 European Control Conference.
- 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 Robotics, 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](#).