

Curriculum Vitae

Antônio Horta Ribeiro

Personal Information

- **Birthdate and place:** 1992-10-21, Brazil.
- **Emails and phone number:** antonio.horta.ribeiro@it.uu.se, + 46 70 254 42 85
- **Visiting address:** Ångströmlaboratoriet, Hus 10, Room 103179
- **Postal address:** Box 337, 751 05, Uppsala, Sweden.
- **Website:** antonior92.github.io.

Current Employment

- **Assistant Professor** *June 2024 - Now* - UPPSALA UNIVERSITY,

Degrees

- **Ph.D., Electrical Engineering** *Mar. 2020* - UNIVERSIDADE FEDERAL DE MINAS GERAIS (UFMG), BRAZIL
- **M.Sc., Electrical Engineering** *Jul. 2017* - UNIVERSIDADE FEDERAL DE MINAS GERAIS (UFMG), BRAZIL
- **B.S.E., Electrical Engineering** *Jul. 2017* - UNIVERSIDADE FEDERAL DE MINAS GERAIS (UFMG), BRAZIL

Postdoctoral training

- **KTH Royal Institute of Technology** *Fev. 2022 - May 2024* - Postdoctoral associate hosted by Danica Kragic.
- **Uppsala University** *Fev. 2021 - Jan. 2023* - SWEDEN Postdoctoral fellow Hosted by Thomas Schön
- **INRIA** *Mar 2023 - June 2023* - SWEDEN Visiting researcher hosted by Francis Bach.
- **UFMG** *Mar. 2020 - Fev. 2021* - BRAZIL Researcher funded by CAPES PRiNT

Bibliometrics

- **Citations:** 37 129
- **h-index:** 17
- **i10-index:** 26
- **Journal Publications:** 33
- **Conference Publications:** 18

Awards

- **Benzelius award** *2022* - ROYAL SOCIETY OF SCIENCES IN UPPSALA
- **Best Ph.D. Thesis in Engineering and Physical Sciences** *2021* - UNIVERSIDADE FEDERAL DE MINAS GERAIS
- **Best Ph.D. Thesis in Electrical Engineering** *2021* - UNIVERSIDADE FEDERAL DE MINAS GERAIS
- **Young Author Award (Honorable Mention)** *2021* - 19TH IFAC SYMPOSIUM ON SYSTEM IDENTIFICATION
- **Best Poster Award** *2019* - SciLifeLab Science Summit
- **Travel Award** *2018* - MACHINE LEARNING FOR HEALTH (ML4H) WORKSHOP AT NEURIPS

Grants

Aquired external funding

- **eSSENCE 2025-2027**- ESSENCE (SWEDEN) Main applicant - 2 Million SEK (\approx 200 000 EUR)
- **AI-ECG 2022-2024**- CNPQ (BRAZIL) Co-applicant - 1 Million BRL (\approx 200 000 EUR)
- **CAPES-PRINT 2020-2021** - CAPES (BRAZIL) Main applicant- 60 Thousand BRL (\approx 10 000 EUR)

Mobility grants

- **UGhent mobility grant** *2023* - GHENT UNIVERSITY - 10 000 EUR
- **SFVE-A mobility grant** *2023* - FRENCH INSTITUTE OF SWEDEN - 1 500 EUR
- **ELISE mobility grant** *2023* - EUROPEAN NETWORK OF AI EXCELLENCE CENTRES - 2 500 EUR

Scholarships

- **Split-site Ph.D. Scholarship** 2019 - CNPq
- **Ph.D. Scholarship** 2018-2020 - CNPq
- **M.S. Scholarship** 2016-2017 - CAPES

Supervision

Ph.D. students,

- **David Väviggreen** Jan. 2025 - Jan. 2030 - UPPSALA UNIVERSITY, SWEDEN
- **Daniel Gedon** Aug. 2019 - June 2024 - UPPSALA UNIVERSITY, SWEDEN

M.Sc. students,

- **Wenhan Zhou** Jan. 2025 - June 2025 - UPPSALA UNIVERSITY, SWEDEN
- **Arvid Eriksson** Jan 2024 - June 2024 - KTH, SWEDEN
- **Oscar Larsson** Feb. 2022 - July 2022 - UPPSALA UNIVERSITY, SWEDEN
- **Theogene Habineza** Jan. 2022 - June 2022 - UPPSALA UNIVERSITY, SWEDEN
- **Johan Millberg** Jan. 2023 - June 2023 - UPPSALA UNIVERSITY, SWEDEN
- **Christie Courtneage** Jan. 2022 - June 2022 - UPPSALA UNIVERSITY, SWEDEN
- **Meenal Pathak** Feb. 2022 - Apr. 2022 - UPPSALA UNIVERSITY, SWEDEN

Teaching

- **Statistical Machine Learning** Period 3 - 2025 - UPPSALA UNIVERSITY, SWEDEN
- **Advanced Probabilistic Machine Learning** Period 1 - 2022 - UPPSALA UNIVERSITY, SWEDEN
- **Artificial Intelligence and Machine Learning** Period 1 - 2022 - WASP GRADUATE SCHOOL, SWEDEN
- **Advanced Probabilistic Machine Learning** Period 1 - 2021 - UPPSALA UNIVERSITY, SWEDEN
- **Overparameterized machine learning** Period 1 - 2021 - UPPSALA UNIVERSITY, SWEDEN
- **Deep Learning** Period 4 - 2021 - UPPSALA UNIVERSITY, SWEDEN
- **Engenharia de Controle (Control Engineering)** 2nd Semester - 2016 - UFMG, BRAZIL
- **Controle Digital (Digital Control)** 2nd Semester - 2016 - UFMG, BRAZIL

Invited talks

- **SBAI , Brazil (Plenary talk)** - UPCOMING - JULY 2025
- **Empowering Patients with Digital Health, Taiwan** - UPCOMING - APRIL 2025
- **University of Ghent @ IDLab** - FEBRUARY 2025
- **Imperial-UFMG AI-ECG workshop, UK** - FEBRUARY 2025
- **Imperial College, UK @ Department of Computing** - FEBRUARY 2025
- **INRIA Paris, France @ SIERRA team** - NOVEMBER 2024
- **Uppsala University @ Guest Lecture System identification** - OCTOBER 2024
- **Karolinska Institutet @ DDLS fellow public research seminars** - FEBRUARY 2024
- **Royal Institute of Technology, KTH, Sweden @ Division of Robotics, Perception and Learning** - NOVEMBER 2023
- **Laboratório Nacional de Computação Científica @ Petrópolis, RJ, Brazil (online)** - OCTOBER, 2023
- **Imperial College, UK @ Imperial Centre for Translational and Experimental Medicine** - JULY, 2023
- **IEEE EMBS @ Germany Chapter, Göttingen (online)** - MAY, 2023
- **PUC Rio, Brazil @ Department of Mechanical Engineering** - MAY, 2023
- **INRIA Paris, France @ SIERRA team** - MARCH, 2023
- **Seminars on Advances in Probabilistic Machine Learning @ Aalto University and ELLIS unit Helsinki** - NOVEMBER 2022
- **University of British Columbia, Canada @ Christos Thrampoulidis group (Online)** - JUNE 2022
- **University of Luxembourg @ Systems Control Group, LCSB (Online)** - MARCH 2022
- **International Congress on Electrocardiology (Online)** - APRIL 2021
- **Techinon, Israel @ AIMLab group (Online)** - MARCH 2021

Additional work experience

Open source development

- **SciPy team member** - 2017 - 2021

Others

- **Software Developer** May. 2017 - Aug. 2017 - GOOGLE SUMMER OF CODE
- **Hardware Team Intern** Jan. 2015 - Dec. 2015 - INVENT VISION
- **Undergraduate Researcher** Jun. 2013 - Jan. 2015 - RESEARCH AND DEVELOPMENT PROJECT WITH PETROBRAS OIL COMPANY, UFMG

Professional activity

Peer reviewing: journal papers

- *Journal of the American Heart Association* (2025),
- *Circulation* (2024-2025),
- *IEEE Transactions on Signal Processing* (2025),
- *npj Digital Medicine* (2025),
- *IEEE Control Systems Letters* (2024),
- *Automatica* (2024),
- *Nature Communications* (2024),
- *Communications Medicine* (2023),
- *Heart* (2021),
- *IEEE Transactions on Automatic Control* (2021),
- *Heart* (2021),
- *IEEE Transactions on Instrumentation and Measurement* (2021),
- *International Journal of System Science* (2021),
- *Proceedings of the National Academy of Sciences (PNAS)* (2020),
- *Automatica* (2020),
- *IEEE Transactions on Biomedical Engineering* (2020),
- *IEEE Control Systems Letters (L-CSS)* (2020, 2024),
- *Systems and Control Letters* (2020),
- *Chaos, Solutions and Fractals* (2020),
- *Chest* (2020),
- *Journal of Electrocardiology* (2020),
- *Journal of Control, Automation and Electrical Systems* (2015-2018),

Peer reviewing: conference papers

- *International Conference on Learning Representations (ICLR)* (2025),
- *Neural Information Processing Systems (NeurIPS)* (2024),
- *International Conference on Artificial Intelligence and Statistics (AISTATS)* (2020-2024),
- *IFAC Symposium on System Identification (SysId)* (2021, 2024),
- *Learning for Dynamics and Control (L4DC)* (2021, 2022),
- *European Control Conference (ECC)* (2020, 2021),
- *IEEE Conference on Decision and Control (CDC)* (2020, 2024),
- *IFAC World Conference* (2017, 2020, 2023),
- *American Control Conference* (2018, 2024),
- *International Conference on Modelling, Identification and Control* (2017),

Expert assignments

- ELLIS (European Laboratory for Learning and Intelligent Systems) PhD Program: Recruitment evaluator, 2020
- Co-chair at the session 'Parameter Estimation 1' at the 19th IFAC Symposium on System Identification, 2021

External examiner in PhD. and M.Sc. defenses

- **Najmeh Fayyazifar** , Level: **Ph.D.** 2022 -
- **Thiago de Almeida Ushikoshi** , Level: **M.Sc.** 2022 -