



# Enrico Lovisotto

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In Qascom S.r.l., an aerospace and defence company focused on cybersecurity, I have worked in tight collaboration with ESA to design the next generation of Galileo GNSS signals. Working on bleeding edge of GNSS technologies motivates and pushes me everyday to develop new skills.

## Work

- 2019- **GNSS System Engineer**, *Qascom S.r.l.*, Bassano del Grappa, Italy
- Development of authentication signals for Galileo 2<sup>nd</sup> Generation with ESA
    - critical evaluation of G2G design documents
    - simulation of satellite and receiver side G2G Concept of Operations (CONOPS)
    - proposal of modifications and improvements on the current preliminary design
    - handling, modifications and creation of classified material
  - Receiver performance analysis, specifically for Septentrio and GOOSE devices
    - log processing and KPI extraction, for PVT and OSNMA
    - output visualization and critical evaluation

## Skills

- languages Italian mother tongue, english C1
- programming Python, MATLAB, C++
- libraries Numpy, Pandas
- programs Git, Emacs, Visual Studio, Microsoft Office
- platforms Linux, Windows

## Education

- 2022 **Publication**, *ESA NAVITEC*, Space-based PNT systems and signals  
J. A. García-Molina *et alia*,  
Quasi-Pilot Signals: Acquisition and Fast Time Ambiguity Resolution
- 2016–2019 **Master's degree**, *Università degli Studi di Padova*, Italy, summa cum laude  
Master degree in Telecommunication Engineering  
Thesis written during Erasmus exchange semester at RWTH of Aachen, Germany.
- 2013–2016 **Bachelor's degree**, *Università degli Studi di Padova*, Italy, summa cum laude

## Hobbies

- musica Piano
- sport Swimming, football
- altro Literature and philosophy, chess and programming