



# GIACOMO BACCI

## ABOUT ME

I'm working as a PhD researcher in Norwegian University of Science and Technology (NTNU) in Trondheim. From the educational path of mechanical engineering, I narrowed my studies to system dynamics. First applied to mechanical components and then to civil infrastructures. Now I'm further developing my knowledge on the dynamics of long-span suspended bridges.

## EDUCATION

### Exchange semester in Norway

Norges teknisk-naturvitenskapelige universitet (NTNU) | 2022

### Master of Science in Mechanical Engineering - Mechatronics and Robotics

Politecnico di Milano | 2020 - 2022

### Bachelor degree in Mechanical Engineering

Politecnico di Milano | 2017 - 2020 | Grade: 102/110

### Exchange year in United Kingdom

Worthing College | 2015 - 2016

### Scientific High School

Elio Vittorini 2012 - 2017 | Grade: 90/100

## PROJECTS

### Investigation of Laguerre Expansion Basis for Modelling of Bridge Aeroelastic Forces

Feb 2022 - Dic 2022

Master Thesis on the identification of an innovative model to approximate wind induced forces on suspended bridges' deck.

## PROFESSIONAL EXPERIENCE

### PhD Researcher

NTNU | Jan 2023 - Present

I'm working in the structural dynamics department in the field of cable vibration. In particular I'm studying the response of suspended bridges' hangers to wind excitation.

## EXTRACURRICULAR ACTIVITIES

### Carreer Service Award

Feb 2021 - June 2021

### MESA - EESTEC Lc Milan

Feb 2021 - June 2022

Milan Engineering Student Association is part of the Electric Engineer STudents' European assoCiation: a non-political and non-profit student association, present in 53 universities and 26 countries with the aim of enhancing students technical and soft skills.

## INTERESTS

- Swimming at semiagonistic level for fifteen years.
- Sailing at semiagonistic level since 2008. Attendance at 2016 Dart 18 World Championship in Medemblik (NL)
- Loves sports in nature such as trekking, camping and skiing.
- Beginner in chess.
- Two years of improvisation theatre at Teatro del Vigentino (MI).
- Teaching experience in sailing.



Via Roncaglia 14, 20146  
Milano



giacomobacci.gb@gmail.com  
giacomo.bacci@ntnu.no



+39 348 4808095



@giacomobacci-gb

## LANGUAGES

### Italian

Mother tongue

### English

IELTS (2016): 8.0 (equivalent C1)

## SOFTWARES

- Windows operating system
- Microsoft Office Suite
- Matlab
- Python
- Inventor
- Catia
- Solid Edge
- Solid Works