



# Matteo Bottacchiari

**Nationality:** Italian

**Phone:** (+39) 3937584793

**Date of birth:** 13 Feb 1993

**Email address:** [matteo.bottacchiari@uniroma1.it](mailto:matteo.bottacchiari@uniroma1.it)

## PROFESSIONAL QUALIFICATION

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### Qualification to practise the profession of Industrial Engineer

[ 1 Jul 2021 – Current ]

## EDUCATION AND TRAINING

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### Ph.D. in Theoretical and Applied Mechanics

*Sapienza University of Rome - Department of Mechanical and Aerospace Engineering* [ 1 Nov 2020 – Current ]

*My research activity focuses on phase-field models for biological membranes with particular regard to their topological transitions in fusion and fission events. I'm also Guest Student at the Center for Life Nano- & Neuro-Science of the Italian Institute of Technology in Rome.*

### Master's degree in Mechanical Engineering

*Sapienza University of Rome* [ 11 Jan 2018 – 13 Jan 2020 ]

Final grade : 110 cum laude/110

*Energy curriculum*

### Bachelor degree in Physics

*Sapienza University of Rome* [ 20 Sep 2016 – 10 Jan 2018 ]

Final grade : 108/110

### Bachelor degree in Mechanical Engineering

*Sapienza University of Rome* [ 20 Sep 2012 – 23 Mar 2016 ]

Final grade : 101/110

## WORK EXPERIENCE

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### Research scholarship for a "Numerical and experimental study of a microfluidic system for Hospital on a Needle applications"

*Sapienza University of Rome - Department of Mechanical and Aerospace Engineering* [ 1 Jun 2020 – 1 Oct 2020 ]

## TEACHING ACTIVITY

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### Teaching assistant for "Mathematical Analysis I"

Bachelor degree in Mechanical Engineering - Sapienza University of Rome

AY 2020/2021 - 2021/2022

### **Teaching assistant for "General Mathematics"**

Bachelor degree in Business Administration - Tuscia University

AY 2021/2022

### **Teaching assistant for "Geometry"**

Faculty of Civil and Industrial Engineering - Sapienza University of Rome - 2021

### **Teaching assistant for "Physics I"**

Bachelor degree in Energy Engineering - Sapienza University of Rome

AY 2020/2021

## **DIGITAL SKILLS**

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### **Computational Fluid Dynamics**

ANSYS Fluent / ANSYS CFX

### **Computer programming**

C language / Wolfram Mathematica programming / PETSc library / Basics of Julia / FFTW

## **LANGUAGE SKILLS**

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Mother tongue(s): **Italian**

Other language(s):

### **English**

**LISTENING C1 READING C1 WRITING C1**

**SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1**