

# Carlo Buccisano

## Curriculum Vitae

Université Paris-Saclay  
Département de Mathématiques d'Orsay  
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### Education

- 2024–2025 **Research and Teaching Assistant (ATER)**, Université Paris-Saclay, Institut de Mathématiques d'Orsay  
Teaching various exercise sessions to undergraduate students and working on my PhD thesis.
- 2021–2025 **Ph.D. in Mathematics**, Université Paris-Saclay, Institut de Mathématiques d'Orsay  
Thesis title: On derived D-modules and their several definitions.  
Advisors: Benjamin Hennion and Emanuele Macrì.  
Date of defence: the 10th of October, 2025.  
arXiv link: [here](#).
- 2020–2021 **M.Sc. in Mathematics**, Université Paris-Saclay, M2 Arithmétique, Analyse, Géométrie  
GPA: 18.675/20.  
Mention: *Très Bien* (maximum honours).
- 2019–2020 **M.Sc. in Mathematics**, Università degli Studi di Padova  
GPA: 30/30.
- 2016–2019 **B.Sc. in Mathematics**, Università degli Studi di Padova  
GPA: 29.965/30.  
Mention: *110/110 cum laude* (maximum honours).

### Co-organized Conferences

- May 2022 **GAeL XXIX**, Orsay, France

### Research Talks

- March 2025 **D-Modules in Derived Algebraic Geometry**, Invited speaker in Séminaire d'Homotopie et Géométrie Algébrique of Université de Toulouse
- August 2024 **Derived D-Modules**, Poster session in Young Topologists Meeting, 2024

### Working group Talks

- April 2024 **Grothendieck construction and quotient stacks**, in GIT reading group
- June 2023 **Factorization homology and chiral Koszul duality**, in online factorisation seminar
- Oct 2022 **Introduction to Derived Algebraic Geometry**, in Donaldson-Thomas invariants in Aussois
- Jan 2022 **Introduction to Poisson Geometry**, in Symplectic Duality reading group

### Teaching experience

- Spring 2025 **Algèbre linéaire (L2)**, Université Paris-Saclay, exercise sessions
- Fall 2024 **Analyse 2 (L2)**, Université Paris-Saclay, exercise sessions
- Fall 2024 **Algèbre linéaire (L1 et L3)**, Université Paris-Saclay, exercise sessions
- Fall 2022 **Structures Algébriques (L2)**, Université Paris-Saclay, exercise sessions
- Fall 2022 **Calculus (L1)**, Université Paris-Saclay, exercise sessions
- Spring 2022 **Maths 3 - Analyse 1 (L1)**, Université Paris-Saclay, exercise sessions
- Spring 2022 **Analyse et Géométrie (L2)**, Université Paris-Saclay, exercise sessions

### Work experience

- July 2015 **Computer Programmer**, IBM, Hursley, UK

### Responsabilities

2021–2022 Representative for PhD students at the Doctoral School of Mathematics Hadamard, and at Orsay Maths Department.

## Awards

- 2016–2022 School of Honors Scholarship by Scuola Galileiana di Studi Superiori, Padova.
- 2020 Scholarship Sophie Germain by Fondation Mathématique Jacques Hadamard.
- 2013–2015 Italian Olympiad in Informatics (1 bronze and 2 gold medals).
- 2015 Italian Mathematical Olympiads, silver medal.
- 2014 Prize for the study of Maths and Computer Science, Banca d'Italia.

## Computer skills

Intermediate Java, git, OpenOffice, Windows

Advanced C++, Python, L<sup>A</sup>T<sub>E</sub>X, Linux

## Languages

Italian Native speaker

English Advanced, IELTS Academic Band 8.0

French Advanced

Spanish Basic

*Conversationally fluent*

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