

Davide Gori

Curriculum Vitae

Al fine della pubblicazione

Research interests

Algebraic geometry, in particular: moduli spaces, algebraic stacks, algebraic groups, birational geometry.

Education

- November 2021– **Ph.D. in Mathematics**, *Sapienza University of Rome*, Rome, Italy.
Supervisor: Prof. Filippo Viviani.
- 2016 – 2021 **Student in Mathematics**, *Scuola Normale Superiore*, Pisa, Italy.
- October 2021 **Master's Degree (*Laurea Magistrale*) in Mathematics**, *University of Pisa*, Italy.
Grade: 110/110 cum laude.
Thesis title: The Moduli Space of Smooth Curves.
Thesis supervisor: Prof. Mattia Talpo.
- July 2019 **Bachelor's Degree (*Laurea Triennale*) in Mathematics**, *University of Pisa*, Italy.
Grade: 110/110 cum laude.
Thesis title: De Rham Cohomology of Compact Lie Groups.
Thesis supervisor: Prof. Andrea Maffei.
- 2011/12–2015/16 **High School Student**, *Scientific Lyceum "Guglielmo Marconi"*, Carrara (MS), Italy,
High School Diploma, July 2016.

Experience

Dissertations

- May 2020 **Seminar**, *Recent results regarding Bertini's theorem*, Pisa.
Seminar based on article: The exceptional locus in the Bertini irreducibility theorem for a morphism (Bjorn Poonen, Kaloyan Slavov arXiv:2001.08672).
Supervisor: Prof. Tamás Szamuely.

Student exchange programs

- September 2019 – **Erasmus+**, *Paris-Sud University (Paris XI)*, now replaced by the *University of Paris-Saclay*, France.
- January 2020 40,5 ECTS (Master M2: Arithmétique, Analyse, Géométrie).

Schools

- 14th - 18th **2nd Marburger Arbeitsgemeinschaft Mathematik**, Marburg, Germany.
- March 2022 School aimed to study the Toral Rank Conjecture.
- August 2018 **Summer school on geometry organized by the Utrecht Geometry Centre**, Utrecht, Netherlands.
Aimed to cover a spectrum of modern geometry.

Events Organized

March - May 2022 **Co-organizer of MATH talks**, Rome, Italy.
Cycle of 12 seminars for master students at the Sapienza University of Rome held by PhD students. Webpage: <https://www.mat.uniroma1.it/ricerca/seminari/math>.

Part-time collaborations

July 2020 **Collaboration with Scuola Normale Superiore**, Pisa, Italy.
Study of cybersecurity attacks, and related defense countermeasures (paid collaboration, 95 hours)

November 2018 **Collaboration with Scuola Normale Superiore**, Pisa, Italy.
Creation of a Telegram bot for student use (paid collaboration, 50 hours)

Stages

2012 – 2016 **Stages organized by UMI (Italian Mathematical Union)**, Pisa, Italy.
Aimed to choose the Italian Team for international competition of mathematics.
Detailed participations: Stage Senior (2012, 2013, 2014, 2015), Winter Camp (2014, 2015, 2016), Stage PreIMO (2014, 2015, 2016).

Talks

8 April 2022 **Moduli spaces and where to find them: an algebraic point of view**, Rome, Italy.
MATH Talks, Sapienza University of Rome. Seminar for master students.

Teaching experience

November 2018 **Teacher at the local stage in Osimo**, Osimo, Italy, two days stage organized by UMI, aimed to train participations for the local and national mathematics competitions.

2022 **Tutor for the course Geometry 1 at Sapienza University of Rome**, Rome, Italy, One semester tutoring.

Languages

Italian	Mother tongue	
English	C1	<i>Certificated by Scuola Normale Superiore</i>
French	B1	<i>Certificated by Scuola Normale Superiore</i>

Computer skills

Octave	Intermediate
C	Intermediate
L ^A T _E X	Intermediate
Python	Intermediate
SQL	Basic
HTML	Basic
Operating systems	Linux, Windows

Selected Awards

- 2012 – 2016 **Italian Mathematical Olympiad (ITAMO).**
Detailed participations:
- 2012: Bronze medal;
 - 2013: Silver medal;
 - 2014: Gold medal;
 - 2015: Silver medal;
 - 2016: Gold medal (third place).
- 2014 **Italian Mathematical Olympiad (ITAMO), team competition.**
Second place.
- 2016 **Mediterranean Youth Mathematical Championship**, Rome, Italy.
Third place.
- 2015 **Championnat International des Jeux Mathématiques et Logiques (CIJML)**,
Paris, France.
- 2015 **Balkan Mathematical Olympiad (BMO)**, Athens, Greece.
Bronze medal.

F.to (Davide Gori)