

CURRICULUM VITAE

Federico Caucci

born 21th December 1991 in Frascati (Rome), Italy.

e-mail: caucci@mat.uniroma1.it

Current position

Nov/2016 – until Oct/2019: Sapienza Università di Roma, Ph.D. student in Mathematics.

Advisor: Prof. Giuseppe Pareschi.

Education

Nov/2013 – Mar/2016: Università di Pisa, Master Degree in Mathematics.

Graduation date: 03/11/2016.

Grade: 110/110 cum laude.

Thesis: “The generic vanishing theorem of Green and Lazarsfeld”.

Advisor: Prof. Rita Pardini.

Sep/2010 – Oct/2013: Università di Roma Tor Vergata, Bachelor Degree in Mathematics.

Graduation date: 10/23/2013.

Grade: 107/110.

Research Interests

Abelian and Irregular Varieties, Generic Vanishing Theory, Fourier-Mukai Transforms in Algebraic Geometry, Derived Invariants of Smooth Projective Varieties.

Publications and Preprints

1) F. Caucci, The basepoint-freeness threshold and syzygies of abelian varieties, preprint arXiv:1902.07774 (2019).

2) F. Caucci and G. Pareschi, Derived invariants arising from the Albanese map, preprint arXiv:1807.09854 (2018), accepted for publication on Algebraic Geometry.

3) F. Caucci, Y. Cho and L. Rizzi, On dominant rational maps from a very general complete intersection surface in \mathbb{P}^4 , *Le Matematiche* **72**, no. 2 (2017), 183-194.

Schools and Conferences

06/11/2018 – 06/15/2018:

INdAM workshop “Birational Geometry and Moduli Spaces”, Roma.

03/19/2018 – 03/23/2018:

“School on Birational Geometry of Hypersurfaces”, Palazzo Feltrinelli – Gargnano del Garda, Italy. Lecturers: Jean-Louis Colliot-Thélène, Daniel Huybrechts, Emanuele Macrì and Claire Voisin.

02/05/2018 – 02/09/2018:

“Workshop on Complex Algebraic Geometry – Pirola 60th”, University of Barcelona.

06/05/2017 – 06/09/2017:

“Linear Systems on Irregular Varieties”, Lake Como School of Advanced Studies, Como, Italy. Lecturers: Miguel Angel Barja, Rita Pardini and Christian Schnell.

06/20/2016 – 07/08/2016:

Pragmatic 2016 Research School: “Abelian varieties and geometric Galois theory”, Catania, Italy. Lecturers: Gian Pietro Pirola and Juan Carlos Naranjo.

Seminar talks

04/27/2018: Sapienza Università di Roma, Algebraic Geometry Student Seminar.

Teaching experiences

Tutoring for “Geometria per Ingegneria Medica”, Università di Roma Tor Vergata, I sem. a.a. 2018/2019.

Languages

Italian (native language), English (good knowledge), French (basic knowledge).