

# Curriculum vitae

## Lisa Seccia

### PERSONAL INFORMATION

Date of Birth	October 29, 1992
Place of Birth	Ortona (Italy)
Citizenship	Italian
Residence	Ortona, Italy
Mobile Phone	+39 3408574133
Email	seccia@dima.unige.it , lisa.seccia@gmail.com

### EDUCATION

- **PhD in Mathematics**
  - 11/2017 – present    Università degli Studi di Genova
  - Supervisor            Prof. Matteo Varbaro
- **Master Degree in Mathematics**
  - 10/2014 – 03/2017    Università degli Studi di Bologna
  - Master thesis        Koszul Complexes
  - Supervisor            Prof. ssa Mirella Manaresi
  - Final grade            110/110 magna cum laude
- **Bachelor Degree in Mathematics**
  - 10/2011 – 10/2014    Università degli Studi di Bologna
  - Bachelor thesis        Risolubilità per radicali di equazioni polinomiali
  - Supervisor            Prof.ssa Mirella Manaresi
  - Final grade            110/110 magna cum laude
- **High School**
  - 09/2006 – 07/2011    Liceo Scientifico Alessandro Volta, Ortona.
  - Final grade            100/100

### LANGUAGES

- Italian (native language)
- English (fluent)

## ACADEMIC INTERESTS

My general interests are in the area of commutative algebra.

In the last years I've been working on a recent class of ideals that Conca and Varbaro called "Knutson ideals" and its link with determinantal ideals. Furthermore, I'm interested in combinatorics. More specifically, I'm now focusing my attention on weakly closed graphs and F-purity of their associated binomial edge ideals in prime characteristic.

## PUBLICATIONS

- *"Knutson ideals and determinantal ideals of Hankel matrices"*, L.Seccia (preprint).
- *"Knutson ideals of generic matrices"*, L.Seccia (preprint).

## CONFERENCES AND WORKSHOPS

- *"1<sup>st</sup> MYR Meeting (Math Young Researchers Meeting)"*, Genova, Italy, 08/11/19.
- *"G.T.M. seminar: Some topics in Commutative algebra and algebraic geometry"*, Genova, Italy, 26/09/2019-27/09/2019.
- *"Algebraic combinatorics in Genova"*, Genova, Italy, 11/09/2019-13/09/2019.
- *"Recent developments in Commutative Algebra"*, Levico Terme, Italy, 01/07/2019-05/07/2019
- *"MSRI graduate summer school and Macaulay2 workshop"*, South Bend, USA, 03/06/2019-14/06/2019.
- *"The 26th National School on Algebra: Combinatorial Structures in Algebra and Geometry"*, Constanta, Romania, 27/08/2018-31/08/2018,
- *"G.T.M. Seminar: Some topics in Commutative Algebra and algebraic geometry"*, Milan, Italy, 17/07/2018-18/07/2018
- *"Macaulay2 Workshop 2018"*, Leipzig, Germany, 04/06/2018-08/06/2018.
- *"IPPI Workshop 2018"*, Turin, Italy, 22/03/2018-24/03/2018.
- *"G.T.M. Seminar: Some topics in Commutative Algebra and algebraic geometry"*, Turin, Italy,

30/11/2017-01/12/2017.

- *"School and Workshop on Syzigies"*, Trento, Italy, 04/09/2017-09/09/2017.

## TALKS

- *"Knutson ideals in characteristic zero and determinantal ideals of Hankel matrices"*, Genova, September 2019.
- *"Multigraded generic initial ideal and CS-ideals"*, Leipzig, June 2018.
- *"An invitation to Stanley-Reisner theory"*, Osnabrück, May 2018.

## OTHER EXPERIENCES

- Organizer of the *"1<sup>st</sup> MYR Meeting (Math Young Researchers Meeting)"*, Genova, Italy, 08/11/19.
- Local organizer of the conference *"Algebraic combinatorics in Genova"*, Genova, Italy, 11/09/2019-13/09/2019.
- May 2018, I visited the commutative algebra group of Osnabrück ( Germany) for one week.
- October 2016-February 2017, Teaching Support at University of Bologna for the course *"Calculus and Linear Algebra"*, Economics and Finance.