

Curriculum vitae

Lisa Seccia

PERSONAL INFORMATION

Date of Birth
Place of Birth
Citizenship
Residence
Mobile Phone +
Email

EMPLOYMENT

- **Postdoctoral researcher**
04/2021 – 03-2021 Università degli Studi di Genova

EDUCATION

- **PhD in Mathematics**
11/2017 – 03-2021 Università degli Studi di Genova
Supervisor Prof. Matteo Varbaro
PhD Thesis *Knutson ideals*
- **Master Degree in Mathematics**
10/2014 – 03/2017 Università degli Studi di Bologna
Master thesis *Koszul Complexes*
Supervisor Prof. 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. Mirella Manaresi
Final grade 110/110 magna cum laude

ACADEMIC INTERESTS

My general interests are in the area of commutative algebra. More specifically, I am interested in determinantal ideals, binomial edge ideals and Frobenius singularities.
My PhD dissertation was about a recent class of ideals called "Knutson ideals" and its link with ideal of minors, F-singularities and Groebner bases.

PUBLICATIONS

- “Binomial edge ideals of weakly closed graphs”, L.Seccia (in preparation).
- “Hamiltonian paths, unit-interval complexes, and determinantal facet ideals”, B. Benedetti, L. Seccia, M. Varbaro, ([arXiv:2101.09243v2](https://arxiv.org/abs/2101.09243v2)), 2021.
- “Knutson ideals of generic matrices”, L.Seccia (to appear in Proc. Amer. Math. Society), 2021.
- “Knutson ideals and determinantal ideals of Hankel matrices”, L.Seccia (Journal of Pure and Applied Algebra, vol. 225, no. 12), 2021.

INVITED TALKS

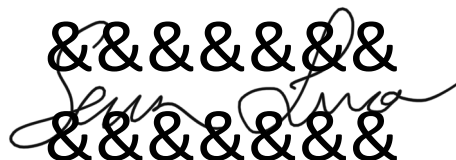
- “Knutson determinantal ideals”, Commutative Algebra Seminar, Purdue University, 09/2021 (online).
- “Compatibly split ideals”, Commutative Algebra Seminar, Università di Genova, 05/2021 (online).
- “Knutson ideals in characteristic zero and determinantal ideals of Hankel matrices”, G.T.M. seminar, Genova, 09/2019.
- “Multigraded generic initial ideal and CS-ideals”, Leipzig, June 2018.
- “An invitation to Stanley-Reisner theory”, Osnabrück, May 2018.

TEACHING EXPERIENCES

- 01/2022-06/2022 , Tutor for first-year students in Mathematics, Università di Genova.
- 09/2021-02/2021 , Teaching support (“Didattica Innovativa” project) for the course “Algebra 2” , Mathematics, Università di Genova
- October 2016-February 2017, Teaching Support at University of Bologna for the course “Calculus and Linear Algebra”, Economics and Finance.

OTHER EXPERIENCES

- Organizer of the “1st 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.



A stylized handwritten signature consisting of two rows of ampersands (&). The top row contains eight ampersands, and the bottom row contains eight ampersands. A cursive signature is written across the middle of the ampersands, appearing to read 'L. Seccia'.