Alessandro Lehmann

✉ alehmannbis@gmail.com

Education

2021–2025 **PhD student in mathematics**, University of Antwerp and SISSA.

- **Supervisor:** Wendy Lowen **Cosupervisor:** Nicolò Sibilla
  Research interests: Deformation theory, Noncommutative Algebraic Geometry.

2019–2021 **Master's degree in Mathematics**, *magna cum laude*, Università La Sapienza, Rome, Italy.

- **Thesis:** "*Enhancements of triangulated categories.*
  Supervisor: **Prof. Marco Manetti**

2016–2019 **Bachelor's degree in Mathematics**, *magna cum laude*, Università La Sapienza, Rome, Italy.

Publications and preprints

- A. Lehmann. *Hochschild cohomology parametrizes curved Morita deformations.* 2024. arXiv:2406.04945. Preprint.
- A. Lehmann Filtered derived categories of curved deformations. In: Hochschild (Co)Homology and Applications, Oberwolfach Report. DOI:10.14760/OWR-2024-20
- A. Lehmann, W. Lowen. *Filtered derived categories of curved deformations.* 2024.arXiv:2402.08660. Preprint.

Teaching Experience

- TA for the course *Calcolo I* (Calculus I), AY 2020/2021, Sapienza University.
- TA for the course *Algebraic Topology*, AY 2022/2023, University of Antwerp.
- TA for the course *Hilbert spaces and Fourier series*, AY 2023/2024, University of Antwerp.

Invited talks

- *Filtered derived categories of curved deformations.* Hochschild (Co)Homology and Applications, Math. Forschungsinstitut Oberwolfach, 15 April 2024
- *Curved differential graded algebras and their derived categories.*, Mathematics in Conversation, University of Padua, 31 October 2023
- *The curvature problem, two ways.* Antwerp Algebra Colloquium, University of Antwerp, 24 February 2023
- *Hochschild cohomology, algebraic deformation theory and the curvature problem (part I and II).*, Junior Geometry and Mathematical Physics Seminar, SISSA, 20 and 27 January 2022

Languages

- **Italian:** Native
- **English:** Fluent
- **Spanish:** Basic
- **Dutch:** Basic