

BOGDAN SIMEONOV

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EDUCATION

Imperial College London

2023 -

PhD in Mathematics, supervised by Prof. Yankı Lekili, as part of the London School of Geometry and Number Theory

- *First year miniproject on SYZ for hypersurfaces in toric varieties, supervised by Prof. Yankı Lekili*
- *First year miniproject on derived categories of cubic fourfolds, supervised by Prof. Ed Segal*

University of Cambridge

2022-2023

MASt in Pure Mathematics

Pass with distinction

- *Essay 'Categorical symplectic topology of T^*S^n supervised by Dr. Jack Smith.*

King's College London

2019-2022

BSc Mathematics and Philosophy

First class honours

- *Mathematics dissertation 'Group Cohomology and its applications' supervised by Prof. Fred Diamond.*
- *Philosophy dissertation 'A Note on the Equivalence between Numbers and Finite Sets' supervised by Dr. Carlo Nicolai.*
- *Summer project 'The Hodge decomposition theorem' supervised by Dr. Calum Spicer.*

PREPRINTS

Homological mirror symmetry for orbifold log Calabi-Yau surfaces *arXiv:2602.04866* 2026

AWARDS

President's Awards for Excellence in Societal Engagement Imperial College London 2026

Recipient of the Imperial President's Awards for Excellence in Societal Engagement as part of the London Maths Outreach team

Mathematics and Philosophy Prize King's College London

2021

Recipient of the 2020/21 Mathematics and Philosophy Prize (awarded to an outstanding non-graduating Mathematics and Philosophy student who is judged to be most worthy of the award) and the 2020/21 Pledger Prize (awarded to an undergraduate student who has completed two full years of study (240 credits) with the best marks in a combined honours programme.)

INVITED TALKS

Imperial Geometry and Topology Seminar

Apr 2026

Homological mirror symmetry for orbifold log Calabi-Yau surfaces

Edinburgh EDGE Seminar

Apr 2026

Homological mirror symmetry for orbifold log Calabi-Yau surfaces

Lancaster Mathematics seminar

Mar 2026

Homological mirror symmetry for orbifold log Calabi-Yau surfaces

Istanbul Higher structures seminar
Homological mirror symmetry for orbifold log Calabi-Yau surfaces

Mar 2026

UCL Geometry Seminar
Homological mirror symmetry for orbifold log Calabi-Yau surfaces

Mar 2026

LEARNING SEMINARS

Imperial reading group on atoms 2025
Introduction to quantum cohomology: review of quantum cohomology and the Givental formalism for a talk at a reading group at Imperial on the paper 'Birational invariants from Hodge structures and quantum multiplication' by Katzarkov, Kontsevich, Pantev and Yu.

Partially Wrapped Fukaya categories at Helmsley 2025
 A_∞ categories and algebras: a talk at the workshop on Partially Wrapped Fukaya categories at Helmsley

Imperial derived categories learning group 2025
Organizer of a study group on derived categories

HMS for Fanos reading group 2024
Cubic fourfolds and mirror symmetry: a talk at Nick Sheridan's seminar on HMS for Fanos

Floer homotopy theory workshop 2024
Intro to quasicategories: a talk at the 2024 Floer Homotopy Theory Spring School

UCL Differential Geometry learning seminar 2024
Introduction to Lagrangian torus fibrations and SYZ mirror symmetry: a talk at Aleksander Doan's learning seminar on Differential Geometry

Derived Obsessed Graduate Students seminar 2024
Derived categories of cubic fourfolds: a talk at the DOGS seminar

TEACHING

Mathematics Class teacher, London School of Economics and Political Science 2024
Class teacher for a first year maths course (MA107)

Mathematics GTA, UCL 2025
GTA for a course on linear and abstract algebra

OUTREACH

London Maths Outreach 2023-
Teacher and organizer of free after-school maths classes for students from state schools around London