

Andreea Iorga

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Education

- 2018–present **Ph.D. in Mathematics**
(expected) *University of Chicago*
Advisor: Frank Calegari.
- 2018–2020 **M.Sc. in Mathematics**
University of Chicago.
- 2014–2018 **MMathCompSci in Mathematics and Computer Science**
University of Oxford
BA Advisor: Alan Lauder.
MMathCompSci Advisor: Minhyong Kim.

Research

- 2023 **Discriminant Twins over Number Fields** with A. Deines, A. Hamakiotes, C. Namoijam, M. Roy, and L. Watson
In Preparation.
- 2023 **Murphy's Law for Galois Deformation Rings**
arXiv: 2310.07105.

Talks

Invited

- February 2024 Junior Number Theory Days, Johns Hopkins University.
(expected)
- January 2024 Arithmetic Statistics Seminar, Harvard University.
- December 2023 Algebra Seminar, Michigan State University.
- December 2023 Number Theory Seminar, Northwestern University.
- November 2023 Number Theory Seminar, University of Chicago.
- September 2023 Number Theory Seminar, University of Wisconsin–Madison.
- July 2023 Bucharest Number Theory Days, IMAR (Bucharest).
- May 2023 Number Theory Seminar, University of Illinois Chicago.

Other

- 2018–current I have given various talks in the University of Chicago graduate student seminars.

Conferences and Workshops Attended

- July 2023 **Bucharest Number Theory Days**,
IMAR (Bucharest).
- March 2023 **Women in Numbers 6**,
Banff Research Station.
- February 2023 **SAGA: Symposium on Arithmetic Geometry and its Applications**,
CIRM (Marseille Luminy).

- January 2023 **Introduction to SAGA: Symposium on Arithmetic Geometry and its Applications**,
CIRM (Marseille Luminy).
- March 2022 **Arizona Winter School on Automorphic Forms Beyond GL_2** ,
Tucson.
- March 2020 **Arizona Winter School on Nonabelian Chabauty**,
Tucson (accepted; followed online, due to COVID-19).
- September 2017 **Instruments of Algebraic Geometry**,
Bucharest.
- November 2015 **Conference of Romanian Students, Professors and Researchers in the UK**,
Oxford.

Service

Refereeing

I have served as a referee for Algebra & Number Theory.

Seminars Organised

- 2020-2021 Student Number Theory Seminar, University of Chicago.

Mentoring

- Summer 2020 *Mentor*, University of Chicago REU.
Summer 2017 *Head Counselor*, PROMYS.
Summer 2016 *Counselor*, PROMYS Europe.
Summer 2015 *Counselor*, PROMYS Europe.

Teaching

Lecturer, University of Chicago

- Winter 2024 MATH 153: Calculus III (one section).
Autumn 2023 MATH 152: Calculus II (one section).
Autumn 2022 MATH 153: Calculus III (one section).
Winter 2022 MATH 152: Calculus II (one section).
Autumn 2021 MATH 151: Calculus I (one section).
Spring 2021 MATH 133: Calculus III (one section).
Winter 2021 MATH 132: Calculus II (two sections).
Autumn 2020 MATH 131: Calculus I (two sections).

Teaching Assistant, University of Chicago

- Spring 2022 Mathematics Study Abroad at the University of Chicago Center in Paris - MATH 29512: Introduction to p -Groups, MATH 29501: Harmonic Analysis on p -adic Fields, MATH 29528: Topics in Modelling.
- Spring 2020 MATH 259: Honors Algebra III.
Winter 2020 MATH 258: Honors Algebra II.
Autumn 2019 MATH 257: Honors Algebra I.

Languages

Romanian - Native; English - Fluent; German - Basic; French - Basic.