Lei Yu

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Last updated: Nov. 5, 2026

Education

8/2026–Present **Ph.D. Student in Mathematics**, *Purdue University*, West Lafayette, IN, USA
8/2024–5/2026 **M.A. in Mathematics**, *University of Kansas*, Lawrence, KS, USA
6/2024 **B.S. in Mathematics**, *Lanzhou University*, Lanzhou, Gansu, China
9/2020–6/2024 **B.S. in Physics**, *Lanzhou University*, Lanzhou, Gansu, China

Teaching

Purdue University

Fall 2026 **Grader**, *Differential Equations*

University of Kansas

Fall 2025; Spring 2026 **Lab Instructor**, *Calculus II*
Spring 2025 **Lab Instructor**, *Calculus I*
Fall 2024 **Instructor**, *Intermediate Algebra*

Lanzhou University

Fall 2022 **Lab Instructor**, *Mathematical Methods for Physics I*
Fall 2023; Fall 2021 **Lab Instructor**, *Linear Algebra I*

Academic Travel

Upcoming

Nov. 9–13 Arithmetic Geometry and Higher Algebra, on the occasion of Lars Hesselholt's 60th birthday, University of Copenhagen, Copenhagen, Denmark

2026

Oct. 17 IU/PU Joint Topology Seminar, Indiana University Indianapolis, Indianapolis, IN
Oct. 10–11 KUMUNU 2026 Commutative Algebra Conference, University of Kansas, Lawrence, KS
Oct. 3 Michigan Number Theory Day, Michigan State University, East Lansing, MI
Aug. 3–14 Fudan International Summer School in Algebraic Geometry, Fudan University, Shanghai
Jun. 14–26 Categorical Langlands Summit, KIAS, Seoul
Jun. 5 Fudan Workshop on Number Theory and Arithmetic Geometry, Shanghai
May 22 Zhongguancun Number Theory Colloquium, Morningside Center of Mathematics, Beijing
Jan. 4–7 ICCM 2025: The Tenth Triennial International Congress of Chinese Mathematicians, Dongjiao State Guest Hotel, Shanghai

2025

Dec. 24 2025 Mini-Workshop on Number Theory, Fudan University, Shanghai
Oct. 24–26 Equivariant, Motivic, and Physical Topology in the Midwest, University of Minnesota, Twin Cities, Minneapolis, MN

Jul. 14–Aug. 1	2025 Summer Research Institute in Algebraic Geometry, Colorado State University, Fort Collins, CO
Jun. 30–Jul. 11	2025 SCMS Algebraic Geometry Summer School, Fudan University, Shanghai
Jun. 16–20	Lectures on Arithmetic Geometry, Peking University, Beijing
Jun. 12–13	Capital Normal University Symposium on Number Theory and Algebraic Geometry 2025, Jinlongtan Yurui Hotel, Beijing
May 31–Jun. 4	Complex Geometry and Beyond: In Honor of Ngaiming Mok, East China Normal University, Shanghai
May 3–4	URiCA 2025: A Conference for Upcoming Researchers in Commutative Algebra, University of Nebraska–Lincoln, Lincoln, NE
Apr. 12–13	RayFest: A Conference in Celebration of the Mathematics of Raymond C. Heitmann, University of Nebraska–Lincoln, Lincoln, NE
Mar. 29–30	AMS 2025 Spring Central Sectional Meeting, University of Kansas, Lawrence, KS
2024	
Dec. 7–8	Kansas Mathematics Graduate Student Conference, University of Kansas, Lawrence, KS
Sep. 28–29	KUMUNU 2024, University of Missouri, Columbia, MO
Jul. 18–24	2024 International Summer School of Algebraic Geometry, Fudan University, Shanghai
2023	
Aug. 28–Sep. 1	Master Class: Algebraic Geometry and Physics, University of Burgundy, Dijon
Aug. 21–25	ALGAR Summer School: Local-Global Principles for Quadratic Forms, University of Antwerp, Antwerp
Aug. 13–18	Summer School on Higher Structures in Algebra and Geometry, Sophus Lie Conference Center, Nordfjordeid
Jul. 10–21	2023 International Summer School of Algebraic Geometry, Fudan University, Shanghai
Jun. 15–19	Short Course: Mordell–Weil Theorem, Xiamen University, Xiamen