

Mengchu Li

Curriculum Vitae

Contact Information

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Education

PhD Candidate in Pure Mathematics

School of Mathematical Sciences, Fudan University

Thesis Title: *MMP for generalized foliated threefolds of rank one*

Expected Graduation: *Jun. 2026*

Advisor: Prof. Meng Chen

Shanghai, China

Sep. 2021 – Present

Visiting PhD Student

Department of Mathematics, Imperial College London

Hosted by Prof. Paolo Cascini

London, UK

Jan. 2024 – Dec. 2024

B.S. in Mathematics and Applied Mathematics

School of Mathematical Sciences, Fudan University

Shanghai, China

Sep. 2017 – Jun. 2021

Publications

- **MMP for generalized foliated threefolds of rank one**
manuscripta math. **176**(78) (2025). DOI: 10.1007/s00229-025-01681-4
Preprint: arXiv:2506.23708
- **Volume of algebraically integrable foliations and locally stable families**
joint work with Jingjun Han, Junpeng Jiao, Jihao Liu.
To appear in Trans. Amer. Math. Soc.
Preprint: arXiv:2406.16604

Teaching Experience

Abstract Algebra

Teaching Assistant. Lecturer: Meng Chen

Fudan University

Fall 2021

Algebraic Geometry Reading Group

Discussion Leader

Fudan University

Sep. 2022 – Jun. 2023

Conferences, workshops, and summer schools attended

Conference on Algebraic Geometry

Tsinghua Sanya International Mathematical Forum

Sanya, China

27 – 31 Dec. 2025

2025 Workshop on Algebraic Geometry <i>School of Mathematical Sciences, Shanghai Jiao Tong University</i>	Shanghai, China 4 – 7 Dec. 2025
Summer School on Birational Geometry of Foliations <i>School of Mathematical Sciences, Peking University</i>	Beijing, China 18 – 22 Aug. 2025
Conference on Explicit Birational Geometry <i>School of Mathematical Sciences, Peking University</i>	Beijing, China 28 May – 1 Jun. 2025
Conference on Algebraic Geometry and its Applications <i>School of Mathematics, Nanjing University</i>	Nanjing, China 29 Apr. – 3 May 2025
Foliation and Birational Geometry <i>Shanghai Center for Mathematical Sciences</i>	Shanghai, China 26 – 30 Aug. 2024
LMS Invited Lectures 2024 <i>London Mathematical Society, Imperial College London</i>	London, UK 1 – 5 Jul. 2024
Workshop on Algebraic Geometry <i>Tsinghua Sanya International Mathematics Forum</i>	Sanya, China 22 – 26 Dec. 2023
Birational Geometry Workshop <i>Yau Mathematical Sciences Center</i>	Beijing, China 28 – 29 Jun. 2023
2023 Workshop on Explicit Birational Geometry <i>Fudan University</i>	Shanghai, China 21 – 23 Apr. 2023
3rd National Algebraic Geometry Conference <i>Fudan University</i>	Online 18 – 22 Jul. 2022
2020 SCMS Algebraic Geometry Summer School <i>Shanghai Center for Mathematical Sciences</i>	Online 20 – 31 Jul. 2020

Awards & Grants

National Scholarship for Doctoral Students <i>Ministry of Education of the People's Republic of China</i>	China Dec. 2025
2023 China Scholarship Council Scholarship <i>China Scholarship Council</i>	China Jul. 2023
Fudan Elite PhD Program Scholarship <i>Fudan University</i>	Shanghai, China 2020 – 2025

Languages

- Chinese** Native speaker
- English** Proficient (C1 level. TOEFL score: 104, 2023)