

# Mengchu Li

## Curriculum Vitae

### Contact Information

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### Education

#### PhD Candidate in Pure Mathematics

*School of Mathematical Sciences, Fudan University*  
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*

### 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

*School of Mathematical Sciences, Shanghai Jiao Tong University*

**Shanghai, China**

*4 – 7 Dec. 2025*

#### Summer School on Birational Geometry of Foliations

*School of Mathematical Sciences, Peking University*

**Beijing, China**

*18 – 22 Aug. 2025*

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

## Awards & Grants

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

## Languages

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