

Mengchu Li

Curriculum Vitae

Contact Information

Name Mengchu Li
Email mengchuli21@m.fudan.edu.cn, mengchuli0911@gmail.com
Homepage <https://mengchuli0911.github.io>
Address Office 1901, Guanghua East Main Tower, Handan Campus, School of Mathematical Sciences, Fudan University, Shanghai, 200433, China

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

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

Awards & Grants

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

Languages

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