

Can Cui – Curriculum Vitae

Department of Astronomy & Astrophysics, University of Toronto
50 St George St, Toronto, ON M5S 3H4, Canada
can.cui@astro.utoronto.ca | www.astro.utoronto.ca/can.cui

PROFESSIONAL APPOINTMENTS

Postdoctoral Researcher Department of Astronomy and Astrophysics, University of Toronto, Canada	2023-Present
Postdoctoral Researcher Department of Applied Mathematics and Theoretical Physics, University of Cambridge, UK	2020-2023

EDUCATION

Ph.D., Astrophysics (Shanghai Astronomical Observatory, China)	2016-2020
M.S./Part III, Astrophysics (University of Cambridge, UK)	2014-2015
B.S., Astronomy; B.S., Physics; minor Mathematics (Pennsylvania State University, US) Honors & Distinction	2010-2014

AWARDS

University of Cambridge Clare College Research Associate	2021-2023
Chinese Academy of Sciences Presidential Award	2020
University of Cambridge College Academic Visit Grant	2015
Golden Key International Honor Society	2011-2014
Penn State Sigma Pi Sigma	2014
Penn State Physics Elsbach Honors Scholarship	2012-2014
Penn State Physics Department Dean's List	2010-2014
Penn State Astronomy Department Dean's List	2010-2014

RESEARCH INTERESTS

Protoplanetary Disks, Debris Disks, Theoretical and Computational Astrophysical Fluid Dynamics, Magnetohydrodynamics, Instabilities, Waves

TALKS

I have given ~50 talks, including 33 seminars/colloquia and 17 conference presentations. Among them, 33 talks are invited. See a full listing at the end of CV.

PUBLICATIONS

Author of **13 publications**, including 10 as first/corresponding author. See a full listing at the end of CV and [ADS library](#) for more details.

JOURNAL REFEREE

The Astrophysical Journal	2022-
Monthly Notices of the Royal Astronomical Society	
Publications of the Astronomical Society of Japan	

TEACHING

Undergraduate Research Course Supervisor AST 424: Introduction to Astrophysical Research, University of Toronto	Fall 2023, Spring 2024
Supervision Part IB Fluid Dynamics, University of Cambridge	Lent 2022, 2023
Undergraduate Summer Research Mentor The Centre for Mathematical Sciences, University of Cambridge	Summer 2021, 2022, 2023

MENTORING

Xiaoyi Ma (University of Victoria, PhD)	2024-Present
Yuzi Wu (Sun Yat-sen University, PhD)	2024-Present
Konstantin Gerbig (Yale University, PhD)	2023-Present
Yinhao Wu (University of Leicester, PhD)	2022-Present

Harry Wang (University of Toronto, Undergraduate)	2024-Present
Kara Zhao (University of Toronto, Undergraduate)	2023-2024
Ashu Tripathi (Cambridge Undergraduate)	2023-Present
Teresa Su (University College London Undergraduate - Cambridge Part III)	2023-2024
Yixuan Dang (University of Oxford, Undergraduate)	2022-2024
Tomasz Kinowski (University of Cambridge, Undergraduate)	2022-2023
Eleonora Svanberg (Stockholm University Undergraduate - Oxford PhD)	2021-2022
Ashesh Bati (University of Cambridge, Undergraduate)	2021-2022
Gesa D�nnweber (University of Cambridge, Undergraduate)	Summer 2021

PROFESSIONAL SERVICE

NASA's Exoplanets Research Program Panelist	2024
Session Chair, Exoplanets & Planet Formation Workshop	2023
Astro Jamboree Coordinator (Toronto)	2023
Clare College Clarity Symposium Session Chair (Cambridge)	2023
Clare College Research Convenor (Cambridge)	2023
DAMTP AFD Group Seminar Organizer (Cambridge)	2021-2022
Undergraduate Admissions Interviewer (Clare College, Cambridge)	2021
External Reviewer, UK Science and Technology Facilities Council HPC Proposal	2021
KICC Distorted Astrophysical Disks Workshop LOC (Cambridge)	2021
Exoplanet Day Workshop Organizer (Cambridge)	2021
Exoplanet Centre Seminar Organizer (Cambridge)	2020-2021
Black Hole accretion & AGN Feedback Journal Club Organizer (Shanghai Observatory)	2017-2019

DIVERSITY, EQUITY & INCLUSION

Welcome Event Volunteer for Female & Non-binary Part III Students The Centre for Mathematical Sciences, University of Cambridge	2022
Undergraduate Female & Non-binary Students Mentor The Centre for Mathematical Sciences, University of Cambridge	2022
Diversity in DAMTP for Women Conference Guest Speaker DAMTP, University of Cambridge	2022
Philippa Fawcett Internship Program Mentor The Centre for Mathematical Sciences, University of Cambridge	2021

SEMINARS & COLLOQUIA

36. U of Hawaii Disk Group Seminar, US	2025
35. UNLV Disk Group Seminar, US	2025
34. Wesleyan Disk Group Seminar, US	2025
33. International Young Scholars Forum, Shanghai Jiaotong University, China (<i>invited</i>)	2023
32. Zhejiang University, Astro colloquium, China (<i>invited</i>)	2023
31. CCA Planet Formation Group Seminar, US (<i>invited</i>)	2023
30. Yale Exoplanets & Stars Seminar, US (<i>invited</i>)	2023
29. Harvard CfA Disks and Astrochemistry Seminar, US (<i>invited</i>)	2023
28. University of Nevada, Las Vegas Disk Seminar, US (<i>invited</i>)	2023
27. ENS de Lyon & Lyon Observatory Astro Colloquium, France (<i>invited</i>)	2023
26. Sun Yat-Sen University Astro Colloquium, China (<i>invited</i>)	2023
25. Shanghai Astronomical Observatory Astro Seminar, China (<i>invited</i>)	2023
24. Shanghai Jiao Tong University Astro Seminar, China (<i>invited</i>)	2023
23. T. D. Lee Institute Astro Seminar, China (<i>invited</i>)	2023
22. Nanjing University Martes Seminar, China (<i>invited</i>)	2023
21. Tsinghua University Astro Seminar, China (<i>invited</i>)	2023
20. Peking University KIAA Seminar, China (<i>invited</i>)	2023

19. Shanghai Astronomical Observatory Earth 2.0 Seminar, China (invited)	2023
18. Academia Sinica Institute of Astronomy and Astrophysics Colloquium, Taipei (invited)	2022
17. Purple Mountain Observatory Seminar, China (invited)	2022
16. University of Arizona Seminar, US (invited)	2022
15. University of Leeds Seminar, UK (invited)	2022
14. University of St Andrews Astro Seminar, UK (invited)	2022
13. Heidelberg University Astro Seminar, Germany (invited)	2022
12. Queen Mary University London Astro Seminar, UK (invited)	2022
11. University of Copenhagen Astro Seminar, Denmark (invited)	2022
10. CITA Norman Murray's Group Meeting, Canada	2022
9. University of Florida Seminar, US	2022
8. University of Iowa Seminar, US	2022
7. ESO Star and Planet Formation Webinar Seminar, Germany	2022
6. University of Leicester Astro Seminar, UK (invited)	2022
5. MPA Planetary Formation Group Seminar, Germany (invited)	2021
4. Zhejiang University Astro Seminar, China (invited)	2021
3. CCA Planetary Formation Group Seminar, US (invited)	2021
2. University of Cambridge AFD Group Seminar, UK (invited)	2021
1. Tsinghua University Planet Formation Seminar, China (invited)	2020

CONFERENCE PRESENTATIONS

17. IASTrophysical Waves, Princeton (invited)	2025
16. TCAN Disk Hydro & Planet Formation, Tucson	2023
15. Core2disk III, Paris (invited)	2023
14. MHD Flows in Young Circumstellar Disks, Munich (invited)	2023
13. 2nd Athena++ Workshop, Flatiron Institute, New York (invited)	2023
12. Protostars & Planets VII, Kyoto (Poster)	2023
11. Vertical Shear Instability in Protoplanetary Disks, remote (invited)	2022
10. Planet and Binary Formation in Gravitationally Unstable PPDs, Leicester	2022
9. NCTS-ASIAA Workshop: Stars, Planets, and Formosa, Taipei	2022
8. Formation and Evolution of Planetary Systems, Tübingen	2022
7. Chinese Geophysical Society Workshop, Suzhou	2021
6. Five Years After HL Tau, remote	2020
5. Planet Formation Workshop, Tokyo	2019
4. Workshop on gray Hole Accretion Disks, Harbin	2018
3. Workshop on AGN feedback, Shanghai	2018
2. Bilateral Workshop of Shanghai Observatory and Xiamen University, Shanghai	2017
1. Penn State Neighborhood Workshop on Astrophysics and Cosmology, State College	2014