

Wei Zhu (祝伟)

PERSONAL INFORMATION

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EMPLOYMENT

2021.02 – Assistant Professor, Department of Astronomy, Tsinghua University
2017.09 – 2021.02 Postdoctoral Fellow, Senior Research Associate,
Canadian Institute for Theoretical Astrophysics (CITA),
University of Toronto, Canada

EDUCATION

2013.08 – 2017.08 PhD in Astronomy, The Ohio State University, Columbus, USA
Thesis: Microlens mass determinations from space-based parallax
Advisor: Prof. Andrew Gould
2009.09 – 2013.07 BS in Astronomy, Peking University, Beijing, China

RESEARCH INTERESTS

Applications of gravitational microlensing; Planet detection and characterization; Architecture and dynamics of multi-planet systems; Detection and characterization of stellar remnants.

GRANTS & AWARDS

2018 Vincent and Beatrice Tremaine Fellowship, CITA
2017 CITA Post-Doctoral Fellowship
2016 NASA Group Achievement Award
2016 Dunlap Visitor Grant (CA \$2000), Dunlap Institute, University of Toronto

INVITED TALKS, COLLOQUIA & SEMINARS

2020.11 Exoplanet Demographics [[slides](#)], online conference
2020.01 Astrophysics Forum, TDLee Institute, Shanghai, China
2020.01 Astronomy Colloquium [[slides](#)], Peking University, Beijing, China
2019.12 Astronomy Colloquium, Tsinghua University, Beijing, China
2019.11 Planet Lunck Talk [[slides](#)], Cornell University, Ithaca, USA
2019.09 Ringberg Castle Workshop – From protoplanetary discs to planetary systems [[slides](#)],
Tegernsee, Germany
2019.08 Extreme Solar System IV [[slides](#)], Reykjavik, Iceland
2019.07 Astrophysical Dynamics Conference [[slides](#)], Shanghai, China
2018.12 Lunch Talk, SWIFAR, Yunnan University, Kunming, China

- 2018.12 Astrophysics Special Seminar [[slides](#)], TDLee Institute, Shanghai, China
- 2018.10 Astronomy Colloquium, University of Toronto, Canada
- 2018.09 TAPIR seminar, Caltech, USA
- 2017.12 Exoplanets and Planet Formation Conference, Shanghai, China
- 2017.07 Lunch talk, KIAA-PKU, Beijing, China
- 2016.09 Stars and Planets Seminar, Harvard-Smithsonian Center for Astrophysics, Cambridge MA, USA
- 2016.09 Lunch talk, Carnegie Observatories, Pasadena CA, USA
- 2016.03 Lunch talk, Centre for Planetary Sciences, University of Toronto at Scarborough, Scarborough, Canada

CONTRIBUTED TALKS

- 2019.03 Kepler & K2 Science Conference V [[slides](#)], Glendale CA, USA
- 2019.01 23rd International Microlensing Conference [[slides](#)], New York City, USA
- 2018.01 22nd International Microlensing Conference, Auckland, New Zealand
- 2017.06 Kepler & K2 Science Conference IV, Mountain View, USA
- 2017.03 Formation and Dynamical Evolution of Exoplanets, Aspen CO, USA
- 2017.02 21st International Microlensing Conference, Pasadena CA, USA
- 2016.01 20th International Microlensing Conference, Paris, France
- 2015.11 Kepler & K2 Science Conference III, Santa Barbara CA, USA
- 2015.05 K2 Microlensing Workshop, NASA SETI Institute, San Jose CA, USA
- 2015.01 19th International Microlensing Conference, Annapolis MD, USA

TEACHING EXPERIENCE

- 2019, 2020 Lecturer for UofT SURP 101 lecture series [[2019 slides](#)][[2020 slides](#)]
- 2018.11 Guest lecturer for AST221-Stars & Planets (Instructor: Prof. Yanqin Wu)
- 2017 – 2020 CITA blackboard talks (pedagogical lectures, 5 in total)
- 2016 Fall Teaching assistant for Astronomy 1101

MENTORSHIP

- 2020.05 – 2020.08 Xiaoyi Ma (SURP student from UofT)
- 2020.04 – Zerui Liu (UG from Tsinghua)
- 2020.04 – Shi Yan (UG from Nankai)
- 2019.05 – 2019.04 Michael Poon (UG from UofT, co-advised with J.J. Zanazzi), one paper submitted [[link](#)]
- 2019.05 – 2018.08 Numa Karolinski (SURP student from McGill), one paper published [[link](#)]
- 2018.07 – 2018.10 Mingze Sun (visiting UG from Nankai)
- 2018.06 – 2019.05 Miranda Herman (Grad from UofT, co-advised with Yanqin Wu), one paper published [[link](#)]
- 2018.05 – 2018.08 Sabrina Madsen (SURP student from UBC), one paper published [[link](#)]

PROFESSIONAL SERVICES

Since 2016 Referee for many astronomical journals, including A&A, AJ, ApJ, ApJL, JKAS, MNRAS, PASP
 2020 Chinese Telescope Access Program (TAP) external reviewer
 2020 US NSF proposal review panel
 2019, 2020 CITA fellowship review committee
 2019 – 2020 CITA Visitor Committee
 2019 Session chair, 23rd International Microlensing Conference
 2018 – 2019 University of Toronto Astro-ph Discussion Committee
 2018 Fall Organizer of the UofT Stars/Planets Discussion

OBSERVING PROPOSALS & EXPERIENCE

2016 – Multiple CFHT proposals as PI and Co-I to constrain planets and black holes with CFHT microlensing
 2016 Fall Co-I for Keck proposal – *Measuring microlens fluxes to characterize lens systems in preparation for WFIRST* (2 half-nights awarded, PI: Calen Henderson)
 2016.05 15 nights on the CTIO 1.3m telescope, Chile; photometry
 2014.07 14 nights on the 1.0m SAAO telescope at Sutherland, South Africa; photometry
 2014.03 7 nights on the 1.3m McGraw-Hill telescope at MDM Observatory; spectroscopy