

The International Space Science Institute at Beijing Exoplanet Forum

Zoom Meeting id: 630 352 6021

Passwd:859610

Monday 24 June 2024 -----

8:30-9:00 Registration

Section Chair: Jian Ge

9:00-9:10 Welcoming remarks

9:10-9:40 Doug Lin Formation of terrestrial planets and evolution of planetary systems

9:40-10:00 Shigeru Ida Planet formation and carbon depletion problem in terrestrial planets

10:00-10:20 Hongping Deng Earth as a planet disk

10:20-10:40 Beibei Liu Early Solar System giant planet instability triggered by dispersal of the protoplanetary

10:40-11:00 Xuening Bai Simulating the physics of the innermost protoplanetary disk and its implications

11:00-11:20 Coffee Break

11:20-11:40 Wei Zhu Standing on the shoulders of Kepler

11:40-12:30 Open Discussion

12:30-14:00 Lunch

Section Chair: Doug Lin

14:00-14:30 Steve Howell What have we learned from Kepler and K2 about small ($< 2 R_e$) exoplanets (zoom)

14:30-14:50	Shude Mao	Gravitational microlensing: current status and future prospects
14:50-15:10	Paul Butler	Exoplanets and Iodine
15:10-15:30	Songhu Wang	Towards a Unified Story for Planet Formation
15:30-15:50	Fei Dai	Near-Resonant Configuration Are Prevalent among Young, Close-in Planetary Systems
15:50-16:10	Coffee break	
16:10-16:30	Heike Rauer	The PLATO Mission (zoom)
16:30-16:50	Bo Ma	Constraining the presence of terrestrial planet in hot Jupiter system through TTV
16:50-17:10	Guo Chen	Atmospheric characterization of small-sized exoplanets
17:10-17:30	Daniel Koll	Surfaces of airless hot rocky exoplanets
17:30-18:30	Open Discussion	

Tuesday 25 June 2024 -----

Section Chair: Jilin Zhou

8:30-9:00	Andrew Vanderberg	Challenges and Opportunities of Re-observing the Kepler Field (zoom)
9:00-9:20	Chelsea Huang	Lessons learned from space based precision photometry and new opportunities for a new deep wide field survey (zoom)
9:20-9:40	Avi Shporer	The TESS M-dwarf opportunity - Validation of small transiting planets around small stars (zoom)
9:40-10:00	Jiwei Xie	Exoplanet Census: From LAMOST-Gaia-Kepler Synergy to LAMOST-Gaia-ET Synergy
10:00-10:20	Fabo Feng	Observations of solar system analogs
10:20-10:40	Xuesong Wang	Holistic Characterization of Small Planets
10:40-11:00	Weicheng Zang	Mapping Microlensing Planets: from KMTNet to ET, from Mass-ratio to Mass
11:00-11:20	Lizhou Sha	The MIT Quick Look Pipeline: Leveraging Precise Photometry for Exoplanet, Stellar, and Galactic Astrophysics
11:20-11:40	Coffee break	
11:40-12:30	Open discussion	

12:30-14:00 Lunch

Section Chair: Shude Mao

- 14:00-14:20 Giovanna Tinetti Enabling planetary science across light years with Ariel
- 14:20-14:40 Jian Ge The Earth 2.0 (ET) space mission
- 14:40-15:00 Enric Palle Ground-based high-resolution spectroscopy in the era of ELTs and the exploration of small planet atmospheres
- 15:00-15:20 Jessie Christiansen Planning and Preparation for the Habitable Worlds Observatory (zoom)
- 15:20-15:40 Jilin Zhou Search and Characterize Habitable Planets in Solar Neighbors with Miying Mission
- 15:40-16:00 Wei Wang The Tianlin Mission and its recent progress
- 16:00-16:20 Coffee break
- 16:20-16:40 Jianghui Ji CHES: an Astrometry Mission Searching for Habitable Planets Orbiting Nearby Solar-type Stars
- 16:40-17:00 Hui Zhang The planet yield simulation of ET-----how many Earth 2.0 could be discovered by the ET mission
- 17:00-18:00 Open Discussion & Forum summary for the Taikong Magazine

19:00-21:00 Dinner hosted by ISSI-BJ

End of the Forum

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