李政道研究所
TSUNG-DAO LEE INSTITUTE

International Conference on Exoplanets and Planet Formation

Conference handbook

December 8–12, 2025

Shanghai · China

CONTENTS

About Shanghai Jiao Tong University

Shanghai Jiao Tong University (SJTU) was founded in Shanghai, China, in 1896, with the goal of cultivating talented professionals for the nation. Today, SJTU has become one of the world's top 100 universities and a key university directly under the administration of the Ministry of Education (MOE) of the People's Republic of China and co-constructed by MOE and Shanghai Municipal Government. SJTU is currently comprised of 6 campuses with more than 300 hectares.SJTU has 34 schools/departments, 12 affiliated hospitals, 13 affiliated research institutes, 23 directly affiliated units and 5 directly affiliated enterprises, with 18,004 full-time undergraduates, 28,439 full-time master degree candidates, and 1,858 overseas students. SJTU faculty includes 3,887 full-time teachers, 30 members of the Chinese Academy of Sciences, and 27 members of the Chinese Academy of Engineering. As a comprehensive university, SJTU offers 75 undergraduate programs covering 9 major disciplines: economics, law, literature, science, engineering, agriculture, medicine, management, and arts.

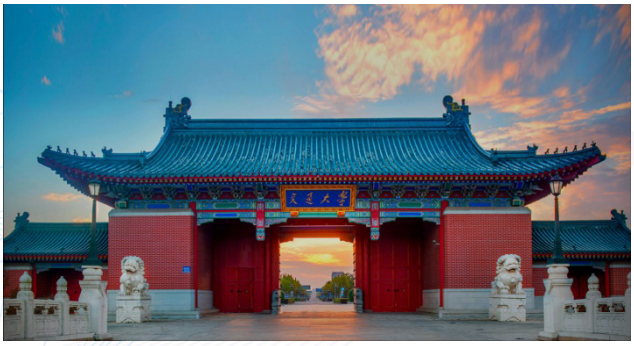
Over the 128 years of its history, SJTU has educated more than 400,000 talents for the country and the world, including Jiang Zemin, a former president of China, and Tsien Hsue-shen, China's "Father of Space Science." Other famous SJTU scholars include Wu Wenjun, a great master of mathematics and winner of the first National Supreme Award for Science and Technology, as well as Wang Zhenyi, winner of the Kettering Prize for cancer research. Over 200 members of the Chinese Academy of Sciences and the Chinese Academy of Engineering are SJTU alumni.

SJTU enjoys an increasingly high scientific research level and technological innovation level. Over the past 2 decades, SJTU has won 99 national science awards, and has led the country for the 14th consecutive year in terms of the number of projects founded by the National Natural Science Foundation of China. In 2023, the number of CNS papers hits a historical high with a total number of 51. SJTU is encouraging talents all over the world.

SJTU also prioritizes the quality of its campus facilities, such as libraries, student innovation centers, laboratories, and sports facilities. Committed to education through culture, SJTU has integrated traditional Chinese culture into the campus culture development and has won a series of awards, such as the ACM world Championship, the iGEM Competition, and the MCM/IMC Contest. SJTU took the lead in organizing a variety of activities nationwide and had excellent performances in sports events, drama, symphony orchestra, and other similar activities.

SJTU insists on enhancing educational internationalization, constantly improving its comprehensive strengths and global influence, exploring a future-oriented internationalization strategy, speeding up the implementation of a new international development plan, expanding overseas layout, building overseas centers, deepening strategic cooperation, and promoting in-depth exchange visits so as to make steady progress towards the goal of establishing a world-class institution of higher education.

Carrying forth the mission of preserving cultural heritage, seeking truth, bearing the responsibility of invigorating the Chinese nation and all humankind, today, this centennial university is sailing towards the goal of becoming a comprehensive, innovative, and internationalized world-class university. Shanghai Jiao Tong University belongs to China, but more so, it belongs to the world.



About Tsung-Dao Lee Institute

Proposed by the Nobel laureate Tsung-Dao Lee and with support and endorsement from governments and ministries at national and municipal levels, Tsung-Dao Lee Institute (TDLI) is a basic research institute established at Shanghai Jiao Tong University in November 2016, aiming to build itself as a world-leading science institute.

Resonating with Professor TD's vision, the Institute focuses on the most fundamental science questions and conducts cutting-edge research in physics and astronomy in an effort to shed light on the relationship between the maximum and the minimum in the universe, and the most fundamental and profound laws of interaction in the nature.

By bringing our research to extreme environments or creating extreme conditions, we strive to explore and control exotic and extreme states of matter with extreme detection methods. Eying on the greatest unsolved mysteries of the universe, we are pledged to systemically assemble our teams of close to 100 scientists to carry out pioneering research and collaboration on particle and nuclear physics, astronomy and astrophysics, and condensed matter physics. Today, we've witnessed an emergence of innovations and an increasingly active presence in the science community. Looking forward, we envision fostering a supportive, inclusive culture of 桃 (táo) 李 (lǐ) 荫 (yīn) 翳 (yì) 家 (jiā) 安 (ān) 其 (qí) 所 (suǒ) (A verse from ancient poetry describes a harbour with Blossoms and Plentiful Shade, Where Home and Growth Reside.)

About TDLI Astronomy and Astrophysics Division

The astronomy division at TDLI of SJTU supports research in important forefront areas of astrophysics, from exoplanets/stars, high-energy and multi-messenger astrophysics, to galaxies and cosmology, including theory/ computation, observation and laboratory astrophysics.

Currently, the division is active in the following areas:

- Galaxies and cosmology: galaxy evolution, large-scale structure of the universe, cosmology
- High-energy and relativistic astrophysics: compact objects (black holes, neutron stars, and white dwarfs), gravitational waves, particle astrophysics
- Exoplanets and stars: discovery and characterization of exoplanets (including atmospheres), dynamics and formation of planetary systems, stellar astrophysics
- Plasma astrophysics: laboratory astrophysics, high-energy density plasmas

The astronomy division works closely with the Department of Astronomy (DOA: http://astro.sjtu.edu.cn/en/) at SJTU, which hosts active research programs in galactic and extragalactic astronomy. The division also works with the particle physics division, on particle astrophysics, dark matter search and other frontiers in fundamental physics. The astrophysics division and SJTU-DOA expect to recruit many faculty members in the coming years, are open to expand/ strengthen in other important areas of astrophysics.

Some of the resources include the data access of DESI, PFS, SKA and the AliCPT CMB experiment. SJTU is currently building a new 4.4-meter spectroscopic telescope (JUST) in Qinghai province (first light expected in 2027) to study transient sources, cosmology and exoplanets. SJTU is also building a high-energy neutrino telescope in the south China sea. TDLI participates in several high-energy astrophysics' projects such as EHT, LHASSO and SWGO. Available computing resources include the division's local cluster (384 nodes), SJTU high performance computer cluster Pi2.0 (26240 nodes), and Siyuan Mark-I cluster (59904 nodes).

TDLI astrophysics division and SJTU-DOA have an active visitor's program and organize topical workshops and conferences each year to create a scientifically stimulating environment. The division sponsors several prize postdoctoral fellows (T-D Lee Postdoctoral Fellows) each year, together with a number of project postdoc fellows.

https://tdli.sjtu.edu.cn/en/research/astronomy-and-astrophysics-division

Conference Introduction

International Conference on Exoplanets and Planet Formation (EPF)

Shanghai, China | December 8-12, 2025

Organized by Tsung-Dao Lee Institute, Shanghai Jiao Tong University

About the Conference

The International Conference **"Exoplanets and Planet Formation" (EPF 2025)** will be held in Shanghai from **December 8 to 12, 2025**, organized by the **Tsung-Dao Lee Institute, Shanghai Jiao Tong University**. Following the success of the first EPF conference in December 2017, this event will cover all aspects of exoplanetary astrophysics, including:

- **Exoplanet detection and characterization** (mass-radius relations, atmospheres, demographics and statistics, etc);
- **Planet formation** and **dynamical evolution**;
- Related topics such as **star formation**, **binaries and multiples**, and **Solar System formation**.

Main Organizers

Dong Lai (TDLI/Cornell)
Josh Winn (Princeton)
Yanqin Wu (Toronto)
Fabo Feng (TDLI)
Xianyu Tan (TDLI)

Scientific Organizing Committee (SOC)

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Sponsor

- Tsung-Dao Lee Institute (TDLI), Shanghai Jiao Tong University
- School of Physics and Astronomy, Shanghai Jiao Tong University
- Douyin Group
- Hangzhou ToupTek Photonics Co., Ltd.

Conference Schedule

Sunday, Dec. 7	
16:00 – 20:00	Arrival and Registration
18:00 – 20:00	Reception & Informal Dinner
Monday, Dec. 8	
08:30 – 08:35	Welcome
08:35 – 10:15	**Planet Detection: New Methods and New Combinations**
10:15 – 10:45	Coffee Break
10:45 – 12:25	**Planet Populations and Patterns**
12:25 – 14:00	Lunch
14:00 – 15:30	**Protostars and Protoplanets**
15:30 – 16:00	Coffee Break
16:00 – 17:40	**Disks I**
Tuesday, Dec. 9	
08:30 – 10:15	**Rocky Planets**
10:15 – 10:45	Coffee Break
10:45 – 12:25	**From Rocky Planets to Sub-Neptunes**
12:25 – 14:00	Lunch
14:00 – 15:35	**Dynamics and Resonances**
15:35 – 17:35	**Poster Session I + coffee break**
Wednesday, Dec. 10	
08:30 – 10:15	**From Sub-Neptunes to Giant Planets**
10:15 – 10:45	Coffee Break
10:45 – 12:15	**Dynamics and Evolution**
12:15 – 14:00	Lunch
14:00 – 15:35	**Stars**
15:35 – 15:45	Short Break
15:45 – 16:50	**Solar System**
16:55 – 21:00	TDLI Reception & Banquet (including transportation)
Thursday, Dec. 11	
08:30 – 10:15	**Disks II**
10:15 – 10:45	Coffee Break
10:45 – 12:25	**Planet Formation Theory I**
12:25 – 14:00	Lunch
14:00 – 15:15	**Chemical Signatures / Interstellar Objects**
15:15 – 16:45	**Poster Session II + coffee break**
16:45 – 18:00	**Free-Floating Planets**
Friday, Dec. 12	
08:30 – 10:20	**Young Planets and Multiple-Star Systems**
10:20 – 10:50	Coffee Break
10:50 – 12:10	**Planet Formation Theory II**
12:10 – 13:45	Lunch
13:45 – 15:15	**Future Projects**
15:15 – 15:45	**Panel (TBD) & End of Meeting**

Detailed Schedule

Solicited talks: 12+3 mins – Contributed talks: 8+2 mins

MONDAY

08:30 – 08:35 Welcome

08:35 – 10:15 (100 min) **Planet Detection: New Methods and New Combinations**
(Chair: Dong Lai)

- LAGRANGE, Anne-Marie (CNRS/Paris Observatory/PSL): Beyond the Ice Line: Unveiling Giant Planets combining Gaia, radial velocity and high contrast imaging (220)
- FENG, Fabo (TDLI): Multi-method Exoplanet Science in the Gaia Era (300)
- WINN, Joshua (Princeton University): Updated Forecast for Gaia Astrometric Planet Detections (188)
- SOZZETTI, Alessandro (INAF - Osservatorio Astrofisico di Torino): Gaia: Towards the DR4 and DR5 exoplanet candidate catalogues (294)
- ALBRECHT, Simon (Aarhus University): Exoplanets & Brown Dwarfs on Wide Orbits: Early Confirmation of Gaia DR3 Candidates (183)
- WITTENMYER, Rob (University of Southern Queensland): A reunion of old friends: Radial velocity characterisation of giant planets in the Gaia era (207)
- YAHALOMI, Daniel (Flatiron Institute): At the Edge of Discovery: Probing Planetary Architectures with TTVs and Gaia Astrometry (282)

10:15 – 10:45 Coffee Break

10:45 – 12:25 (100 min) Planet Populations and Patterns
(Chair: Yanqin Wu)

- WANG, Jason (Northwestern University): Population Level Differences Between Wide-Separation Giant Planets and Brown Dwarfs (88)
- BRYAN, Marta (Penn State): Friends not foes: How Jupiters shape the lives of small planets (102)
- ZANG, Weicheng (Westlake University): Super-Earth Exoplanets are Common in Jupiter-like Orbits (278)
- WEISS, Lauren (University of Notre Dame): Patterns in Multi-Planet Systems (17)
- XIE, Ji-Wei (Nanjing University): Planetary Statistical Studies with LAMOST (98)
- HALLATT, Tim (MIT): Shedding Light on Desert Dwellers (202)
- WANG, Xian-Yu (Indiana University): Distinct Eccentricity - Stellar Obliquity Trends in Three Gas-Giant Mass Regimes (199)

12:25 – 14:00 Lunch

14:00 – 15:40 (100 min) **Protostars and Protoplanets**
(Chair: Josh Winn)

- OHASHI, Nagayoshi (ASIAA): Demographics of Embedded Disks: New Insights into the Earliest Stages of Planet Formation (196)
- STOLKER, Tomas (Leiden University): Direct imaging discovery of a young giant planet orbiting on Solar System scales (130)
- JIANG, Haochang (MPIA): Catching the Tail of a Runaway-Accreting Protoplanet Candidate (263)
- LI, Zhuhai (Department of Astronomy, School of Physics, Peking University): A VLT/MUSE Survey

for Accreting Planets in 75 Protoplanetary Disks (73)
- JIANG, Lillian (BOWLER, B.) (UCSB): Accretion Light Echoes and Halpha Variability of a Protoplanet Candidate (288)
- MASSET, Frederic (Universidad Nacional Autónoma de México): Planetary accretion in the vicinity of dusty rings (185)
- CHOKSI, Nick (Caltech): Directly imaging runaway accretion (286)
- ZHOU, Yifan (University of Virginia): Time-Resolved Observations of Directly Imaged Exoplanets: A New Perspective in Probing Planet Formation (115)

15:40 – 16:10 Coffee Break

16:10 – 17:50 (100 min) **Disks I**
(Chair: Eugene Chiang)

- HENNING, Thomas (Max Planck Institute for Astronomy): Towards the Characterization of the Rocky Planet Sites in Disks (18)
- HLONG, Feng (PKU): Chemical Evolution in the Inner Regions of Protoplanetary Disks around Very Low-Mass Stars (201)
- QIAN, Yansong (University of Toronto): Bouncing 100 micron Grains Keep Protoplanetary Disks Bright (111)
- WU, Yanqin (University of Toronto): The small grain hypothesis – emission model for the HD 169142 disk (99)
- VOROBYOV, Eduard (University of Vienna): On the hidden mass of dust in young protoplanetary disks (9)
- LI, Zhi-Yun (University of Virginia): Dust Polarization in Protoplanetary Disks: A Probe of Grain Growth and Kinematics (61)
- YANG, Haifeng (Zhejiang University): Probing Magnetic Fields in Protoplanetary Disks with Near-IR Polarimetry (87)
- MA, Jie (Institut de Planétologie et d'Astrophysique de Grenoble): Probing Planet-forming Dust with Polarimetry: HD100453 and Beyond (53)

TUESDAY

08:30 – 10:15 (105 min) **Rocky Planets**
(Chair: Xianyu Tan)

- HKREIDBERG, Laura (MPIA): Charting the cosmic shoreline with JWST (293)
- KOLL, Daniel (Peking University): How to interpret secondary eclipses of tidally-locked rocky exoplanets (28)
- MENDONCA, Joao Manuel (University of Southampton): Modelling and Seeking Atmospheres of Hot Terrestrial Planets (110)
- YANG, Jun (Peking University): Ocean circulation on synchronously-rotating lava Worlds (285)
- DING, Feng (Peking University): Retention of Surface Water on Tidally Locked Rocky Planets in the Venus Zone around M Dwarfs (5)
- FARHAT, Mohammad (University of California, Berkeley): Lava tides on short period exoplanets (119)
- DONG, Chuanfei (Boston University): Linking Core-Induction Effects to Atmospheric Escape in Rocky Exoplanets (105)
- KANG, Wanying (MIT): Escaping Outflows from Disintegrating Exoplanets: Day-side versus Night-side Escape (7)

10:15 – 10:45 Coffee Break

10:45 – 12:25 (100 min) From Rocky Planets to Sub-Neptunes
(Chair: Giovanna Tinetti)

- LICHTENBERG, Tim (University of Groningen): Magma ocean worlds as constraints on exoplanet geophysics and atmospheric formation (26)
- NIXON, Matthew (Arizona State University): Examining the role of magma oceans in shaping sub-Neptune atmospheres (290)
- MODIRROUSTA-GALIAN, Darius (TDLI/SJTU): On the formation of water oceans in rocky exoplanets with hydrogen atmospheres (35)
- GUPTA, Akash (Princeton University): The Fate of Hydrogen and Helium: from rocky planetesimals to Earth- and Neptune-like worlds (81)
- VISSAPRAGADA, Shreyas (Carnegie Observatories): Towards Precise Constraints on Atmospheric Evolution for 50 Sub-Neptunes (25)
- JENKINS, James (Universidad Diego Portales): LTT9779b as a Unique Laboratory to Understand
- Survivability in the Neptune Desert (289)
- KUROKAWA, Hiroyuki (The University of Tokyo): Primary-secondary atmospheric transition of sub-Neptunes: implications for helium depletion and the radius valley (234)
- OWEN, James (Imperial College London): The Origins of Close-in Neptunes (172)

12:25 – 14:00 Lunch

14:00 – 15:35 (95 min) **Dynamics and Resonances**
(Chair: Fabo Feng)

- DAI, Fei (University of Hawaii): Resonant Chains as the Initial Configuration of Kepler-like Planetary Systems (283)
- WANG, Mutian (Nanjing University): An Adolescent, Near-Resonant Planetary System Near the End of Photoevaporation (276)
- JIANG, Ing-Guey (National Tsing Hua University): Resolving the Formation Puzzles of K2-19 Planets through a Decade of Transit Photometry (33)
- TRIFONOV, Trifon (Landessternwarte, Heidelberg): Warm Giant Exoplanets with Strong Transit Timing Variations (192)
- IDA, Shigeru (Science Tokyo): Outward Migration of a Gas-Accreting Planet: A Semi-Analytical Formula (39)
- LI, Yaping (Shanghai Astronomical Observatory): Planet migration and mean motion resonances in protoplanetary disks: theory and observational implications (255)
- GUO, Kangrou (Tsung-Dao Lee Institute): Disrupting Resonances: The Impact of Cold Jupiter Scattering on Inner Mean Motion Resonances (236)
- TAMAYO, Daniel (Harvey Mudd College): Why are high-order mean motion resonances weak? A geometric answer (284)

15:35 – 17:35 **Poster Session I**

WEDNESDAY

8:30 – 10:15 (105 min) **From Sub-Neptunes to Giant Planets**
(Chair: Darius Modirrousta-Galian)

- MADHUSUDHAN, Nikku (University of Cambridge): Atmospheric Diversity in the Sub-Neptune Regime (292)
- HU, Renyu (The Pennsylvania State University): JWST observations of the cornerstone temperate sub-Neptune K2-18 b (84)
- WHEATLEY, Peter (University of Warwick): Detection and atmospheric characterization of temperate Jupiters with NGTS, TESS and JWST (243)
- ZHANG, Yapeng (California Institute of Technology): Phase-resolved atmospheric dynamics and first detection of hydrogen emission in an ultra-hot Jupiter (72)
- TAN, Xianyu (TDLI): Do Super Jupiters Look Like Jupiter? Not Necessarily. - A General Circulation Study for a Planetary-mass Companion (299)
- ZHANG, Xi (University of California Santa Cruz): Are Alkali Metals depleted in Jupiter? (85)
- ZHANG, Zhoujian (University of Rochester): Challenges and Promises of Atmospheric Characterization for Self- Luminous Exoplanets, Brown Dwarfs, and M Dwarf Stars (181)
- JONES, Hugh (University of Hertfordshire): Towards an optical line list for methane (281)

10:15 – 10:45 Coffee Break
10:45 – 12:15 (90 min) **Dynamics and Evolution**
(Chair: Jilin Zhou)

- ZHU, Wei (Tsinghua University): Multiplicity of giant planet systems (200)
- YANG, Eritas (Princeton University): An Analytical Model for the Eccentricity Cascade: Hot Jupiter Formation via S-type Instability (296)
- LIU, Shangfei (Sun Yat-sen University): The Fate of Tidally Disrupted Gas Giants: Dynamical Evolution and Observational Implications (257)
- DONG, Jiayin (University of Illinois Urbana-Champaign): Planet-Planet Scattering Explains the Origin of Warm Jupiters (114)
- Wang Su (PMO): The Role of Planetary Mass Loss in Shaping Orbital Inclinations and Eccentricities (174)
- LU, Tiger (Flatiron): Oblique Exorings Masquerading as a Puffy Planet – The Dynamical History of HIP 41378f (315)
- O'CONNOR, Christopher (CIERA, Northwestern University): Old New Worlds: Reconstructing the history of a white-dwarf exoplanet (273)
- WEI, Xing (Beijing Normal University): Magnetic field and tide of star and planet (37)

12:15 – 14:00 Lunch

14:00 – 15:35 (95 min) **Stars**
(Chair: Subo Dong)

- WANG, Songhu (Indiana University): A New Obliquity Kraft Break at ~6500 K (113)
- LECOANET, Daniel (Northwestern University): Efficient tidal dissipation via stellar magnetic fields (71)
- DEWBERRY, Janosz (University of Massachusetts Amherst): Binary asynchronization and circularization by tidally driven inertial waves (166)
- LI, Yaguang (University of Hawaii): Timing the Stellar and Substellar Evolution with Radial-Velocity Asteroseismology (277)
- ONG, Joel (University of Sydney): Core-Envelope Misalignment in Kepler-56: Implications for Planet Formation and Evolution (226)
- SU, Yubo (Princeton Univ): A Differentially Rotating Star Suggests a Dynamically Exciting Past (280)

- ZANAZZI, John (Pennsylvania State University): Diary of a Teenage Super-Jupiter (132)

15:35 – 15:45 Short Break

15:45 – 16:50 (65 min) **Solar System**
(Chair: Jianghui Ji)

- LASKAR, Jacques (IMCCE, Observatoire de Paris): Recovering the orbital motion of the planets in the solar syst-em through sedimentary geological records (298)
- CHIANG, Eugene (UC Berkeley): Chondritic meteorites, 覆水难收 ? (272)
- DENG, Hongping (SHAO): A New Perspective: Interior Structures as Constraints for Terrestrial Planet Formation in the Solar System (60)
- LI, Rixin (University of California Berkeley): Cold Classical Kuiper Belt Objects as Primordial Planetesimals (229)
- CHENG, Sihao (IAS/Perimeter/TDLI): A Dwarf Planet on an Extremely Wide Orbit (311)

16:55 – Take Shuttle to TDLI
17:25 – 18:25 Reception at TDLI
18:25 – Take Shuttle to Restaurant
18:40 – 21:00 Banquet
21:00 – Take Shuttle back to Conference Hotel

THURSDAY

08:30 – 10:15 (105 min) **Disks II**
(Chair: Thomas Henning)

- ARMITAGE, Philip (CCA, Flatiron Institute): Predictions for circumplanetary disk structure (133)
- HUANG, Jane (Columbia University): Protoplanetary disk substructures across different environments (65)
- LEE, Eve (UC San Diego): Leaky Traps and Small Grains in Ringed Protoplanetary Disks (138)
- BI, Jiaqing (Max Planck Institute for Astronomy): Substructures induced by dust-drag in protoplanetary disks (252)
- DONG, Ruobing (Peking University): Shadow Variability in Disks: A Multi-Epoch Sample Study with VLT/SPHERE Scattered-Light Imaging (68)
- ZHANG, Shangjia (Columbia University): Shadow Induced Warps in Protoplanetary Disks (83)
- LI, Jiaru (CIERA - Northwestern University): Steady Warps in Protoplanetary Disks: Linear, Nonlinear, and Breaking (175)
- HAN, Yinuo (Caltech): The high-resolution radial structure of debris disks in the ARKS ALMA program (59)

10:15 – 10:45 Coffee Break

10:45 – 12:25 (100 min) **Planet Formation Theory I**
(Chair: Zhaohuan Zhu)

- JOHANSEN, Anders (Globe Institute, University of Copenhagen): Formation of rocky planets, super-Earths and sub-Neptunes via pebble accretion (58)
- ERIKSSON, Linn (Stony Brook): Planetesimal formation via the streaming instability persists under self-consistent MRI turbulence (168)

- TAN, Jonathan (Chalmers Univ. & Univ. of Virginia): Inside-Out Planet Formation (256)
- BITSCH, Bertram (University College Cork): Constraining the formation history of giant planets (27)
- ORMEL, Chris (Tsinghua University): From Planetesimals to Dwarf Planets by Pebble Accretion (143)
- LIU, Beibei (Zhejiang University): Modeling planet formation and the dependence on stellar host properties (11)
- WANG, Haiyang (University of Copenhagen): Hybrid accretion of rocky planets imprinted in volatile depletion (48)

12:25 – 14:00 Lunch

14:00 – 15:15 (75 min) Chemical Signatures / Interstellar Objects
(Chair: Masahiro Ogihara)

- YU, Jie (Nanjing University): Co-natal stars depleted in refractories are magnetically more active - possible imprints of planets (287)
- LIU, Fan (NAOC): Stellar Chemical Signatures of Planetary Ingestion and Planet Formation (232)
- SUN, Qinghui (TDLI): Chemical Imprints of Planet Formation in the Atmospheres of Solar Twins/ Analogs (74)
- XU, Siyi (ISSI, Bern): Planetary Systems in Wide Binaries Probed by Polluted White Dwarfs (103)
- SELIGMAN, Darryl (Michigan State University): 3I/ATLAS: The Third Interstellar Interloper (89)
- LAU, Jun Yan (Tsung Dao Lee Institute, Shanghai Jiao Tong University): Can gravitational scattering describe the kinematics of interstellar objects and free floating planets? (169)

15:15 – 16:45 **Poster Session II**

16:45 – 18:00 (75 min) **Free-Floating Planets**
(Chair: Jian Ge)

- LUHMAN, Kevin (The Pennsylvania State University): A JWST Survey for Free-floating Brown Dwarfs Down to the Mass of Jupiter (10)
- NAYAKSHIN, Sergei (University of Leicester): Simulations of coeval binary star and Free Floating Planet formation (129)
- DONG, Subo (PKU): Exploring Free-Floating Planets with Space-based Microlensing (160)
- YANG, Hongjing (Westlake University): Microlensing Surveys for Free-Floating Planets: From Ground to Space (253)
- DEROCCO, William (University of Maryland, College Park): Rogue worlds in the era of Roman (100)

FRIDAY

08:30 – 10:20 (110 min) Young Planets / Multiple-Star Systems
(Chair: A-M Lagrange)

- FEINSTEIN, Adina (Michigan State University): The Atmospheres of Young Planets Orbiting Active Stars with JWST (90)
- GILLEN, Edward (Queen Mary University of London): Probing the early evolution of planetary systems (270)
- WATANABE, Noriharu (The University of Tokyo): Discovery of an Eccentric Hot Super-Jupiter Transiting the Ed-ge of an Early-A-type star (238)
- NARITA, Norio (The University of Tokyo): Detections of new young transiting planets with the

MuSCAT series (128)
- DUPUY, Trent (Institute for Astronomy, University of Edinburgh): Orbital Architectures of Planet-Hosting Binaries & Triples (291)
- LEE, Man Hoi (The University of Hong Kong): Exoplanets in Binary Star Systems (217)
- BAYCROFT, Thomas (T.D. Lee Institute): Circumbinary planets from radial velocities: results and sample comparisons (46)
- SMALLWOOD, Jeremy (University of Oklahoma): How stellar multiplicity shapes disc evolution and planet formation (131)
- RICE, Malena (Yale University): Exoplanet-Hosting Binary Systems as a Probe of Determinism in Planet Format-ion (250)

10:20 – 10:50 Coffee Break

10:50 – 12:10 (80 min) **Planet Formation Theory II**
(Chair: Phil Armitage)

- ZHU, Zhaohuan (University of Nevada Las Vegas): Magnetospheric Accretion of Young Stars and Formation of Close-in Planets (23)
- DELAGE, Timmy (Imperial College London): Formation of planetary cores in spontaneously generated long-lived dust traps during the secular evolution of magnetized protoplanetary disks (261)
- LIN, Min-Kai (ASIAA): Convection in protoplanetary disks: friend or foe? (55)
- LAIBE, Guillaume (ENS de Lyon): Topological discoseismology of pressure bumps and dips. (184)
- PFEIL, Thomas (Flatiron Institute): Fragmentation-enhanced Leaking of Dust Through Planet-Induced Gaps (15)
- KOKUBO, Eiichiro (National Astronomical Observatory of Japan): Orbital Architecture of Planetary Systems Formed by Gravitational Scattering and Collisions (209)
- OGIHARA, Masahiro (TDLI, Shanghai Jiao Tong University): Formation of super-Earths from a ring and resonance disruption by outer eccentric embryos (139)

12:10 – 13:45 Lunch

13:45 – 15:15 (90 min) **Future Projects**
(Chair: Shude Mao)

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- BUCHHAVE, Lars A. (DTU Space, Technical University of Denmark): The Second Earth Spectrograph (2ES) (251)
- PALLE, Enric (Instituto de Astrofisica de Canarias): Unveiling the Heavenly River's other shores: Characterizing exoplanet atmospheres with ANDES (16)
- WANG, Sharon Xuesong (Tsinghua University): Exploring Exoplanetary Systems from the Perspective of the Solar System: CHORUS Spectrograph (242)
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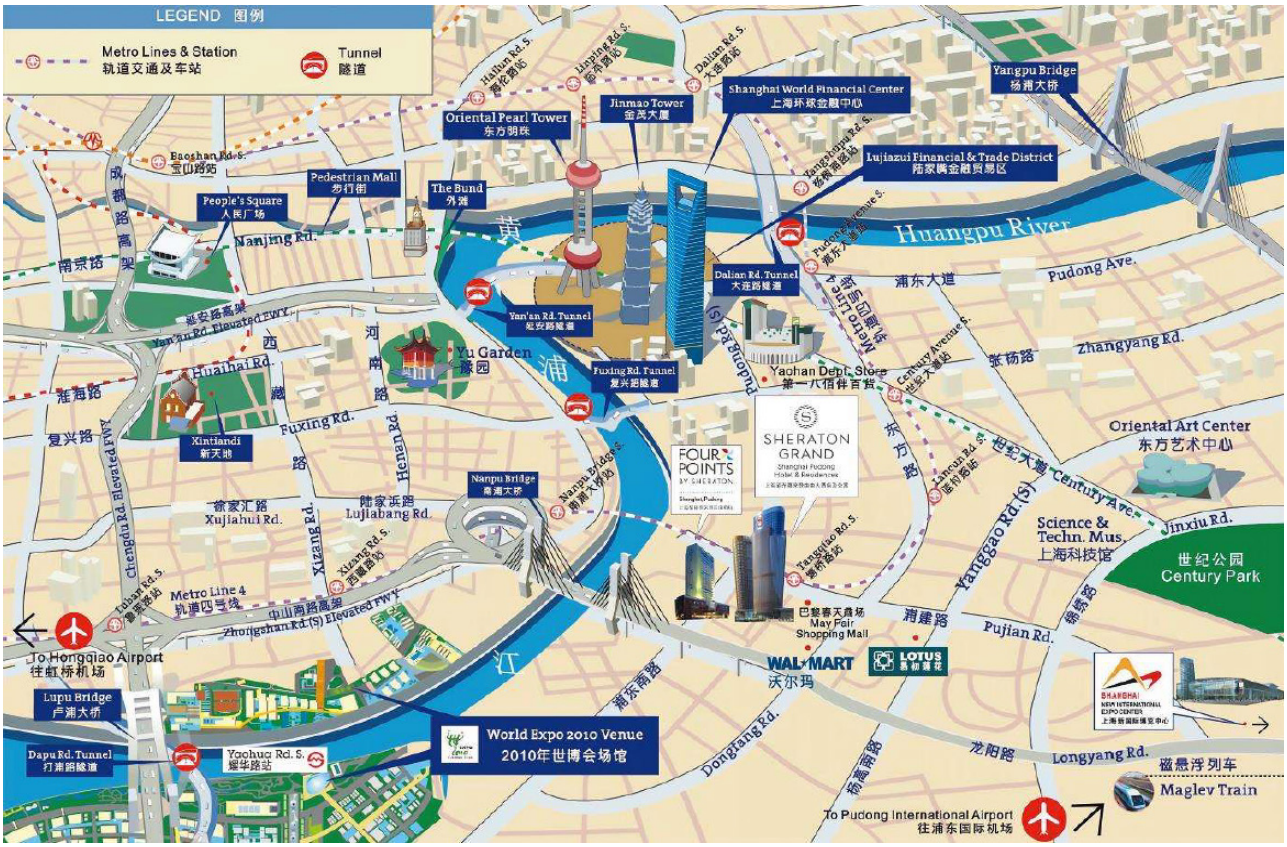
15:15 – 15:45 (30 min): **Panel (TBD) & End of Meeting**

END

Conference Venue

上海浦东喜来登由由大酒店 Sheraton Grand Shanghai Pudong Hotel
38 Pujian Road, Tangqiao District, Pudong New Area, Shanghai, China
上海浦东塘桥社区浦建路 38 号



Ways to reach the Conference Venue

From Shanghai Pudong International Airport (PVG)

- **Option 1: Metro (Subway)**
  - **Route:** Line 2 (Green) → Line 4 (Inner Loop 内圈) [Change at Century Avenue Station (世纪大道站)]
  - **Duration:** ~71 minutes
  - **Cost:** ~7 RMB
  - **Details:**
    1. At Pudong Airport, take **Line 2** (Panxiang Road / National Accounting Institute direction).
    2. After 14 stops (approx. 49 mins), get off at **Century Avenue Station** (世纪大道站).
    3. Transfer inside the station to **Line 4 (Inner Loop 内圈** , Xiangcheng Road direction).
    4. Take Line 4 for 3 stops (approx. 7 mins) and get off at **Tangqiao Station** (塘桥站).
    5. Use **Exit 3** and walk about 170 meters (~3 mins) to the hotel.
- **Option 2: Maglev + Taxi (Recommended)**
  - **Total Duration:** ~37 minutes
  - **Total Cost:** ~70 RMB (50 RMB for Maglev + 20RMB for Taxi)
  - **Details:**
    1. **Maglev:** From Pudong Airport, take the Maglev train to **Longyang Road Station** (龙阳路站). The journey is 1 stop (approx. 7 minutes).
    2. **Taxi:** Upon exiting, take a taxi for the final 5.3km (approx. 15 minutes) to the hotel.
- **Option 3: Taxi (/Didi)**
  - **Duration:** ~40-60 minutes (depending on traffic)
  - **Cost:** ~110-150 RMB
  - **IMPORTANT NOTE:** Please follow the official signs to the regulated taxi stand outside the arrivals hall.

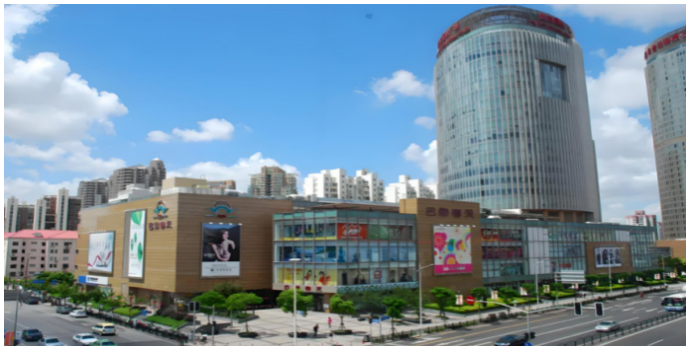
From Shanghai Hongqiao International Airport (SHA)

- **Option 1: Metro + Taxi**
  - **Total Duration:** ~59 minutes
  - **Total Cost:** ~19 RMB (5 RMB for Metro + 14 RMB for Taxi)
  - **Details:**
    1. **Metro:** At Hongqiao Airport T2, take Line 2 (Pudong Airport direction). Get off at **Pudong South Road Station** (浦东南路站 , **formerly Dongchang Road Station**).
    2. **Taxi:** Use **Exit 6** and take a taxi for the final 3 km (approx. 13 minutes) to the hotel.
- **Option 2: Metro**
  - **Route: Line 2** → Line 4 (Inner Loop 内圈) [Change at Century Avenue Station (世纪大道站)]
  - **Duration:** ~55 minutes
  - **Cost:** ~5 RMB
  - **Details:**
    1. At Hongqiao Airport T2, take **Line 2** (Pudong Airport direction).
    2. After 13 stops (approx. 39 mins), get off at **Century Avenue Station** (世纪大道站).
    3. Transfer to **Line 4 (Inner Loop 内圈)** and take it for 3 stops (approx. 7 mins) to **Tangqiao Station** (塘桥站).
    4. Use **Exit 3** and walk about 170 meters (~3 mins) to the hotel.
- **Option 3: Taxi (/Didi)** (**Recommended**)
  - **Duration:** ~40-50 minutes
  - **Cost:** ~80-100 RMB
  - **NOTE:** Please use the official taxi stand located outside the arrivals hall.

Please Note:

If your hotel is the Four Points by Sheraton Grand Shanghai Pudong, you can follow the directions above, as the two hotels are adjacent.

Surrounding Areas to Explore



1. Pinault Printemps Redoute 巴黎春天百货

200m distance from the hotel 距离酒店 200 米

Located at the Tangqiao Metro Station, a new hotspot for trendy dining, shopping, and entertainment in Pudong.

坐落于塘桥地铁站，浦东人气潮流美食购物娱乐新地标。

2. Riverside Promenade 滨江大道

0.8km distance from the hotel 距离酒店 0.8 公里

The Riverside Promenade is an integrated riverside landscape project featuring sightseeing, greening, transportation, and service facilities. The combination of movement and stillness between it and the Expo Buildings of Nations on the Bund provides endless imagination for people, resembling a colorful ribbon gracefully draped along the eastern bank of the Huangpu River. It has been praised as the new Bund of Pudong.

滨江大道是集观光、绿化、交通及服务设施为一体的沿江景观工程。它和外滩万国博览建筑群的动与静的结合，给人们无限的遐想，犹如一条彩带飘落在黄浦江的东岸，被人们赞誉为浦东的新外滩。

3.The Bund 外滩

3.6 km distance from the hotel 距离酒店 3.6 公里

The Bund, located along the Huangpu River in Huangpu District of Shanghai, is a historic and cultural area in China. The Bund stretches for 1.5 kilometers, starting from Yan'an East Road in the south and ending at the Waibaidu Bridge over Suzhou Creek in the north. To the east lies the Huangpu River, while to the west are the former financial and trade institutions of old Shanghai.

外滩位于上海市黄浦区的黄浦江畔，即外黄浦滩，为中国历史文化街区。外滩全长 1.5 千米，南起延安东路，北至苏州河上的外白渡桥，东面即黄浦江，西面是旧上海金融、外贸机构的集中地。

4. The Oriental Pearl TV Tower 东方明珠广播电视塔

3.8 km distance from the hotel 距离酒店 3.8 公里

The Oriental Pearl TV Tower's revolving restaurant is located inside the upper sphere of the tower, at a height of 267 meters, with a construction area of 1,500 square meters. It is the highest revolving restaurant in Asia.

东方明珠广播电视塔空中旋转餐厅位于塔内上球体，高 267 米，建筑面积达 1500 平方米，是亚洲最高的旋转餐厅。

Posters

Planet Detection: Direct Imaging

CHOWBAY, SWASTIK (University of Milan): Direct Imaging of Protoplanet Candidates in Protoplanetary Disks Using NIX L-band Observations (3)

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Other information

Wi-Fi Access (1F & 2F)

- **Network ID:** MarriottBonvoy
- **Procedure:** Select the network, wait for the pop-up window, scroll to the bottom, and choose the third option to enter the **Conference Code:** 88886666.

Welcome Reception

- **Date & Time:** December 7, 18:00 – 20:00
- **Venue:** STL Hall 嵩天庐厅 (2F)

Buffet Lunch

- **Dates:** December 8 – 12
- **Venue:** Feast 盛宴西餐厅 & China Court Jingxiu Room 锦绣厅 (Adjacent, 1F)

Conference Sessions & Poster Display

- **Conference Venues:** Ballroom A & Ballroom B (2F)
- **Poster Locations:** Ballroom C & Foyer Corridor (2F)

  Poster presenters may set up their posters starting at Dec. 7. On the final day (Friday), posters in Ballroom C will be relocated; the new location will be announced on-site.

TDLI Tour & Conference Banquet

- **Date & Time:** December 10, 17:00-20:00
- **Itinerary:** A shuttle bus —— Some shuttle buses will depart at 17:00 for a tour of TDLI, followed by the conference banquet at Parkyard

  Hotel Pudong. The bus will return to the conference hotel after the event.
- **TDLI Venue:** No. 1 Lisuo Road, Pudong New District 浦东新区李所路 1 号
- **Banquet Venue:** Parkyard Hotel, No. 699 Bibo Road, Pudong New District 浦东新区碧波路 699 号

Conference website

Photos of the event

TDLI website