Location: 西山爽气厅(Xishan Shuangqi Hall)

Day 1: Aug 25, 2025				
8:50-9:00		Opening Remark		
	Session: Planet Formation Chair: Xuening Bai			
9:00-9:30	Shigeru Ida (Special)	Current understanding of gas giant planet formation and circumplanetary disks		
9:30-9:50	Beibei Liu (Invited)	Modeling planet formation and the dependence on stellar host properties		
9:50-10:05	Jinfei Yu	Icy Pebble Accretion and the Formation of Primordial Main Belt Asteroids		
10:05-10:20	Kangrou Guo	Formation of Free-Floating Planets via Ejection: Population Synthesis with a Realistic IMF and Comparison to Microlensing Observations		
10	:20-10:50	Group photo/Coffee Break		
	Session: Gas-Dust Interaction Chair: Min-Kai Lin			
10:50-11:05	Yuya Fukuhara	Hydrodynamical simulations of the vertical shear instability with dynamic dust and cooling rates in protoplanetary disks		
11:05-11:20	Shiang-Chih Wang	Azimuthal-drift streaming instabilities in accreting protoplanetary disks		
11:20-11:35	Qiang Hou	Streaming Torque in Dust-Gas Coupled Protoplanetary Disks		
11:35-11:50	Jiaqing Bi	Shoulder of Dust Rings Formed by Planet-disk Interactions		
Ses	Session: Gas Disk Dynamics & Evolution Chair: Satoshi Okuzumi			
14:30-14:50	Ryouhei Nakatani (Invited)	Revisiting Protoplanetary Disk Dispersal		
14:50-15:05	Shoji Mori	Thermal Structure and Evolution of Magnetized Protoplanetary Disks: Implications for Planet Formation		
15:05-15:20	Haruhi Enomoto	A local non-Ideal MHD framework consistent with global magnetic-field structures in protoplanetary disks		
15:20-15:35	Jing Yang	Radiation hydrodynamic models of circumplanetary disks		
15:	35 - 16:05	Coffee Break		
Sessi	Session: Atmosphere Physics and Evolutions Chair: Kazumasa Ohno			
16:05-16:25	Jianheng Guo(Invited)	Hydrodynamic escape of hydrogen-rich atmosphere in close-in exoplanets		
16:25-16:40	Helong Huang	How turbulent diffusivity changes the exoplanet clouds composition: a sweet spot Kzz for silicate feature		

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16:40-16:55	Zhong Wei	Irradiated Atmosphere V: Effects of Vertical-Mixing induced Energy Transport on the Inhomogeneity
16:55-17:13	Poster presentation	poster #1 to # 12; 1.5 minutes for each
	Lin-bridge Undergra	duate Forum Chair: Jiwei Xie
19:00-19:12	Yi Huang	Study on the origin of water on Earth and its distribution across Earth's spheres in the process of planetary formation
19:12-19:24	Haolin Li	Detecting Lava Oceans on Hot Exoplanets Using the Glint Effect
19:24-19:36	Ruiqi Yang	Misaligned circumbinary discs around unequal-mass eccentric binaries: alignment, morphology, and binary accretion variability
19:36-19:48	Yangjun Pu	Massive Retrograde Moons May Survive During Different Hot Jupiters' Migration Scenario
19:48-20:00	Bohang Zhu	Simulation and Modeling of Interferometric Imaging for Binary Systems
20:00-20:12	Zhiqi Zhang	Probing Magnetic Fields in Protoplanetary Disks through Polarized Scattering by Magnatically Aligned Dust Grains
20:12-20:24	Xiang Ji	The interior structure of gas-water worlds

Day 2: Aug 26, 2025			
Sessio	Session: Exoplanet Demographics and Characterization(I) Chair: Jiwei Xie		
9:00-9:20	Di-Chang Chen (Invited)	Hot Jupiter Origin and Tidal Evolution Constrained by the Age–Frequency Relation	
9:20-9:35	Bo Ma	Measuring Exoplanet Orbital Decay using TTV	
9:35-9:50	Huigen Liu	Photo-dynamical Analysis of TOI-1338: A Fully Coplanar Configuration with a Puffy Planet	
9:50-10:05	Peiwei Tu	PAST. VI. Age Dependence of the Occurrence and Architecture of Ultra-Short-Period Planet Systems	
10	:05-10:40	Coffee Break	
	Session: Disk Observation (I) Chair: Hauyu Baobab Liu		
10:40-11:00	Akimasa Kataoka(Invited)	Dust properties and planet formation revealed by ALMA observations	
11:00-11:20	ThiemHoang (Invited)	Alignment, Dust Polarization, and Dust Evolution in Protoplanetary Disks and Planetary Systems	
11:20-11:35	Yangfan Shi	Constraining Dust Property and Test Dust Trapping in the Outer Ring of MWC 480 by ALMA and VLA Observations	
11:35-11:50	Tomohiro Yoshida	Revealing Gas Surface Density Profiles in Protoplanetary Disks via Pressure-Broadened CO Line Wings	
Session: Atmosphere and Enviroment Chair: Jianheng Guo			
14:30-14:50	Xianyu Tan (Invited)	Modeling the atmospheric circulation and spectra of cloudy hot Jupiters	

14:50-15:05	Wenzhan Ouyang	Constraining the early atmospheric evolution of the TRAPPIST-1 system through dynamical signatures	
15:05-15:20	Junda Zhou	Estimating Stellar Age Based on Planetary Water Content Inversion: The Case of GJ 486b	
15:20-15:35	Tamami Okamoto	Jovian atmosphere's noble gas enrichment via disk photoevaporation	
15:35 - 16:05		Coffee Break	
Session:Inner Disk Chair: Yuri Fujii			
16:05-16:25	Feng Long (Invited)	Chemical evolution in the inner region of protoplanetary disks	
16:05-16:25 16:25-16:45	Feng Long (Invited) Shinsuke Takasao (Invited)		
	Shinsuke Takasao	Stellar-scale processes shaping the inner boundary conditions of	
16:25-16:45	Shinsuke Takasao (Invited)	Stellar-scale processes shaping the inner boundary conditions of protoplanetary disks	

Day 3: Aug 27, 2025		
	Session: Planetary	Dynamics Chair: Takayuki Muto
9:00-9:20	Yukun Huang(Invited)	An Analytical Solution for Planet-Scattering Small Bodies
9:20-9:35	Chris Ormel	A Resonant Beginning for the Solar System Terrestrial Planets
9:35-9:50	Masahiro Ogihara	A coherent model for the formation and period ratio evolution of super-Earth systems
9:50-10:05	Qingru Hu	Early Stellar Flybys are Unlikely under New Constraints from Sednoids and Large-q TNOs
10:05-10:20	Zhecheng Hu	Unexpected Near-Resonant and Metastable States in Young Multi- Planet Systems
10:20-10:50		Coffee Break
Session: Early Disk D		Dynamics Chair: Cong Yu
10:50-11:10	Hongping Deng (Invited)	Gravitationally instability in circumstellar disks
11:10-11:25	Yang Ni	Direct Formation of Gas Giants via Disk Fragmentation in 3D Radiation Hydrodynamic Simulations
11:25-11:40	Jiachen Zheng	Turbulent infall onto class 0 disks as cause of CAI brief condensation episode in the solar system
11:40-12:00	Poster presentation	poster #13 to #25; 1.5 minutes for each

Free Discussion

Day 4: Aug 28, 2025			
Sessio	Session: Exoplanet Demographics and Characterization(II) Chair: Beibei Liu		
9:00-9:20	Wei Zhu (Invited)	Giant planets are lonelier than expected (Jiayin Li)	
9:20-9:40	SharonXuesong Wang (Invited)	Search and Characterize Earth-like Planets with CHORUS	
9:40-9:55	Yaxing He	Impact-Driven Atmospheric Mass Loss in Sub-Neptune Systems: Origins of the Radius Gap and Its Intermediate Planets	
9:55-10:10	Quanyi Liu	Transiting super Earths in known RV systems and the implication to the inner-outer correlation	
10:10-10:25	Wu Di	Planets Across Space and Time (PAST). VIII: Kinematic Characterization and Identification of Radial Velocity Variables for the LAMOST-Gaia-TESS Stars	
10	:20-10:50	Coffee Break	
	Session: Disk Observations (II) Chair: Feng Long		
10:50-11:10	Haifeng Yang(Invited)	Millimeter disk polarization from protoplanetary disks	
11:10-11:30	Chin-Fei Lee (Invited)	Polarization Substructure in the Spiral-dominated HH 111 Disk: Evidence for Grain Growth	
11:30-11:45	Haochang Jiang	Diverse Planet-Forming Chemistry in Herbig Disks of the Taurus Star-Forming Region	
11:45-12:00	Naoya Kitade	Numerical solutions of radiative transfer in a parallel-slab incorporating millimeter wavelength scattering polarization for protoplanetary disks	
	Session: Planet-Disk Interaction Chair: Yuhiko Aoyama		
14:30-14:45	Yinhao Wu	Planets Migration in Turbulent Environment	
14:45-15:00	Bingjie Zha	Modeling Planetary Accretion Shocks with a Realistic Equation of State and a Physics-Informed Neural Network	
15:00-15:15	Junpeng Pan	Concurrent Accretion and Migration of Giant Planets in Protoplanetary Disks	
15:15-15:30	Shizu Shimizu	The Effect of Shock Heating Induced by Giant Planets on the Location of the Snow Line in Protoplanetary Disks	

Poster List

Number	Name	Title
1	Yuhiko Aoyama	Radio Emission from PDS 70 c: A Free-Free Origin rather Dust?
2	Jinfei Yu	Icy Pebble Accretion and the Formation of Primordial Main Belt Asteroids
3	Michael Hammer	An MHD-based model for wind-driven disc-planet interactions
4	Min-Kai Lin	Radial convection in protoplanetary disks
5	Pinghui Huang	Dust Clumping in Outer Protoplanetary Disks: the Interplay Among Four Instabilities
6	Hauyu Baobab Liu	Updated Constraints on Dust Mass Budget and Dust Sizes in Class II Disks
7	Haibin Ren	Planet search in microlensing enabled by differentiable code
8	Kazumasa Ohno	Possible Metal-dominated Atmosphere on the Archetype Hazy Sub-Neptune GJ 1214 b Suggested by Its JWST Panchromatic Transmission Spectrum
9	Beibei Liu	Early Solar System dynamical instability triggered by dispersal of Sun's gaseous disk
10	Masanobu Kunitomo	From dust to neutrinos: Toward a unified view of the Solar System formation
11	Xiumin Huang	Free-floating planets produced by planet-planet scattering: ejection velocity and survival rate of their moons
12	Courteney Monchinski	Effects of water vapor on the evolution of an impact-generated disk around Mars and the subsequent accretion of moons
13	Satoshi Okuzumi	Bridging the gap: consistent modeling of protoplanetary disk heating and gap formation by planet-induced spiral shocks
14	Sheng Jin	Constraining the physical properties of gas giants from their statistical distributions
15	Tang Miaoyin	Shallow-water Magnetohydrodynamics in Hot Jupiter Atmospheres
16	Min Li	The effects of the carbon-to-oxygen ratio on the condensate compositions around Solar-like stars
17	Naoya Torii	Gap Edge Structures Created by Perturbations from a Small Satellite Embedded in Saturn's Rings

18	Takayuki Muto	A Transitional Disk around a Star with a Transit Planet: IRAS 04125+2902
19	Takayuki Tanigawa	Development of a Dust Diffusion Model Applicable to High Dust-to-Gas Ratio Environments: Evolution of Dust Density Distribution Near Planetary Gaps
20	Xinyu Zheng	Decoding CO Ro-vibrational Line Shape Diversity in Protoplanetary Disks: Winds or UV-Heated Outer Disk Surfaces?
21	Zhixuan Li	A new 1D numerical model to follow the formation of satellites
22	Yuxin Guo	Dust Mass Evolution in Corona Australis: Results from an ALMA Survey of 108 Protoplantary Disks
23	Zhentai Zhang	Irradiated Atmospheres IV: Effect of Mixing Energy Flux on Chemistry
24	Lily Ishizaki	"Reaction Line" for a Viscously Evolving Disk