

# **Exoplanets and Planet Formation**

**Monday 11 December 2017 – Friday 15 December 2017**  
**Shanghai, China**

## **Programme**

The conference will consist of oral talks and posters. The posters will be on display throughout the conference. Poster presenters will also have opportunity to present one-minute, one-slide review of their posters.

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## ORAL TALK SCHEDULE

**Note:** Each talk is either 15 min (12 min talk + 3 min question) or 20 min (17 min talk + 3 min question).

### Monday, December 11

<b>Welcome/Introduction (8:45 am)</b>
<b>Session 1: Exoplanet population, Masses and Radii, etc. (8:55 am – 10:20 am) Chair: Dong Lai</b>
<b>Howard, Andrew (California Institute of Technology), 20 min</b> Exoplanet masses and Radii – An Update from K2 and a NASA-Keck Key Project (Abstract 152)
<b>PETIGURA, Erik ( Caltech ) , 15 min</b> The California-Kepler Survey (Abstract 140)
<b>DONG, Subo (KIAA-PKU), 15 min</b> LAMOST Reveals Neptune-size Cousins of hot Jupiters, preferentially in “(metal-)rich” and “one-child” Kepler families (Abstract 142)
<b>Huber, Daniel (University of Hawaii), 20 min</b> Exoplanet Formation through the Eyes of Asteroseismology (Abstract 57)
<b>VAN EYLEN, Vincent (Leiden University), 15 min</b> Understanding planet formation through asteroseismology (Abstract 109)
<b>Coffee Break (10:20 am – 11:00 am)</b>
<b>Session 2: Planet Mass-Radius, Hot and Warm Jupiters (11:00 am - 12:30 pm) Chair: Eugene Chiang</b>
<b>Owen, James (Imperial College London), 20 min</b> Understanding planet formation by understanding atmospheric escape (Abstract 49)
<b>Fortney, Jonathan (UC Santa Cruz), 20 min</b> Population-Level Analysis of Hot Jupiter Composition, Structure, and Radius Inflation (Abstract 41)
<b>TREMBLIN, Pascal (CEA Paris-Saclay, France), 15 min</b> Advection of Potential Temperature in the Atmosphere of Irradiated Exoplanets: A Robust Mechanism to Explain Radius Inflation (Abstract 139)
<b>WU, Yanqin (University of Toronto), 20 min</b> Back to hot Jupiters (Abstract 29)

<p><b>Vick, Michelle (Cornell University), 15 min</b>  Chaotic Growth and Dissipation of Dynamical Tides in Giant Planets Undergoing High-Eccentricity Migration: Formation of Hot and Warm Jupiters (Abstract 112)</p>
<p><b>Lunch Break (12:30 pm – 14:00 pm)</b></p>
<p><b>Session 3: Hot and Warm Jupiters, Multi-Planet Systems  (14:00 pm - 15:30 pm) Chair: Doug Lin</b></p>
<p><b>Zhou, George (Harvard Smithsonian Center for Astrophysics), 15 min</b>  Planets around A-stars as anchors for planet migration (Abstract 45)</p>
<p><b>MASUDA, Kento (Princeton University) , 15 min</b>  A Search for Non-transiting Companions to Kepler Warm Jupiters: Clues to their Formation ( Abstract 117 )</p>
<p><b>HUANG, Xu (MIT Kavli Institute for Astrophysics and Space research) , 15 min</b>  On the tiny friends of giant planets ( Abstract 90 )</p>
<p><b>Anderson, Cassandra (Cornell University) , 15 min</b>  Eccentric Warm Jupiters from Secular Interactions with Exterior Companions ( Abstract 87 )</p>
<p><b>Steffen, Jason (UNLV) , 20 min</b>  Establishing the Architectures of Planetary Systems ( Abstract 39 )</p>
<p><b>Poster Review, 10 min</b>  (One minute, one slide each poster)</p>
<p><b>Coffee Break (15:30 pm – 16:10 pm)</b></p>
<p><b>Session 4: Multi-Planet Systems  (16:10pm - 17:35 pm) Chair: JiLin Zhou</b></p>
<p><b>Lauren Weiss (University of Montreal) , 15 min</b>  Multiplanet Systems as Laboratories for Planet Formation ( Abstract 16 )</p>
<p><b>Xie, Jiwei (Nanjing University) , 15 min</b>  Orbital Shape and Spacing of Exoplanets: Observational Patterns ( Abstract 46 )</p>
<p><b>PU, Bonan (Cornell University) , 15 min</b>  Dynamical evolution of inner planet systems with outer giant planets ( Abstract 15 )</p>
<p><b>NESVORNY, David (Southwest Research Institute) , 15 min</b>  Dynamics and Transit Variations of Resonant Exoplanets ( Abstract 121 )</p>
<p><b>Sari, Re'em (Hebrew University), 15 min</b>  Inferring Masses and Eccentricities from Transit Time Variations: Modal Decomposition and Geometric Interpretation (Abstract 154)</p>
<p><b>Poster Review, 10 min</b>  (One minute, one slide each poster)</p>

## Tuesday, December 12

<b>Session 5: Obliquities, Direct Imaging Planets (8:45 am - 10:10 am) Chair: Jean-Michel Desert</b>
<b>Winn, Josh (Princeton University), 20 min</b> Constraints on the Obliquities of Kepler Planet-Hosting Stars (Abstract 38)
<b>ALBRECHT, Simon (Aarhus University), 15 min</b> News from the world of stellar obliquities and orbital inclinations (Abstract 122)
<b>Wang, Songhu (Yale University), 15 min</b> A New Look at an Old Classic: Kepler-9's Obliquity, Masses, and Resonant Properties (Abstract 59)
<b>Zanazzi, J.J. (Cornell University), 15 min</b> Planet Formation in Star-Disk-Binary Systems: Can Primordial Spin-Orbit Misalignment be Produced? (Abstract 83)
<b>MAWET, Dimitri (California Institute of Technology), 20 min</b> Direct imaging and spectroscopy of giant exoplanets: how and where to look? (Abstract 137)
<b>Coffee Break (10:10 am – 10:50 am)</b>
<b>Session 6: Direct Imaging Planets (10:50 am - 12:20 pm) Chair: Jian Ge</b>
<b>LIU, Michael (University of Hawaii), 20 min</b> Mapping Substellar Evolution with Young Gas-Giant Planets and their Free-Floating Brown Dwarf Analogs (Abstract 143)
<b>BRANDT, Timothy (University of California, Santa Barbara), 15 min</b> Early Science with the CHARIS High-Contrast Integral-Field Spectrograph (Abstract 93)
<b>BOWLER, Brendan (University of Texas at Austin), 15 min</b> High-Contrast Imaging of Accelerating Stars from McDonald Observatory (Abstract 123)
<b>WANG, Ji(Caltech), 15 min</b> New Frontier of Exoplanetary Science: High Dispersion Coronagraphy (Abstract 6)
<b>STOLKER, Tomas (ETH Zurich), 15 min</b> Unveiling the formation sites of directly imaged planets in scattered light (Abstract 129)
<b>Poster Review, 10 min</b> (One minute, one slide each poster)
<b>Lunch Break, Transportation and visit Tsung-Dao LEE Library/Shanghai Jiaotong University (12:20 pm – 14:30 pm)</b>
<b>Tuesday afternoon session will take place at the Tsung-Dao LEE Library</b>

<b>Session 7: Microlensing, Planet Formation (14:30 pm - 16:00 pm) Chair: Shude Mao</b>
<b>SHVARTZVALD, Yossi (JPL) , 15 min</b> Probing unexplored exoplanet demographics with new microlensing campaigns (Abstract 48)
<b>Zhu, Wei (Canadian Institute for Theoretical Astrophysics), 15 min</b> The Architecture of Planetary Systems from Microlensing (Abstract 92)
<b>BENNETT, David (NASA Goddard Space Flight Center), 15 min</b> Implications of Exoplanet Microlensing for Planet Formation Theories (Abstract 128)
<b>ZURLO, Alice (Universidad Diego Portales), 15 min</b> Measuring the mass of Proxima Cen from a microlensing event (Abstract 10)
<b>MURRAY-CLAY, Ruth (University of California, Santa Cruz), 20 min</b> Disks, Planet Formation, and the Structure of Planetary Systems (Abstract 124)
<b>Poster Review, 10 min</b> (One minute, one slide each poster)
<b>Coffee Break (16:00 pm – 16:40 pm)</b>
<b>Session 8: Giant Planet Formation (16:40 pm - 18:00 pm) Chair: Subo Dong</b>
<b>BITSCH, Bertram (Lund University), 20 min</b> Giant planet formation in the pebble accretion scenario (Abstract 68)
<b>LAMBRECHTS, Michiel (Lund University), 15 min</b> Gas accretion onto giant planets (Abstract 125)
<b>ALI-DIB, Mohamad (CPS - University of Toronto), 15 min</b> The origin of the occurrence rate profile of gas giants inside 100 days (Abstract 56)
<b>KOUWENHOVEN, M.b.n. (Xi'an Jiaotong-Liverpool University (XJTLU)), 15 min</b> Formation of massive planetary companions and free-floating Jupiters through circumstellar disk fragmentation (Abstract 13)
<b>Poster Review, 15 min</b> (One minute, one slide each poster)
<b>Reception/Dinner with Chinese Music Performance at Tsung-Dao Lee Institute/Shanghai Jiaotong University (18:00 pm)</b>

## Wednesday, December 13

<b>Session 9: Protoplanetary Disks</b> <b>(8:45 am - 10:25 am) Chair: Xuening Bai</b>
<b>ANDREWS, Sean (Harvard-Smithsonian CfA), 20 min</b> Observing the Evolution of Solids in Protoplanetary Disks (Abstract 72)
<b>HUANG, Jane (Harvard-Smithsonian Center for Astrophysics), 15 min</b> High-resolution ALMA observations of gas and dust in protoplanetary disks (Abstract 64)
<b>CZEKALA, Ian (Stanford University), 15 min</b> Mutual Inclinations of Circumbinary Protoplanetary Disks (Abstract 22)
<b>PANIC, Olja (University of Leeds, United Kingdom), 15 min</b> Secrets of giant planet formation: Massive HerbigAe discs (Abstract 141)
<b>REGGIANI, Maddalena (Université de Liège (ULg)), 15 min</b> Search for young planets in transition disks: investigating the early phases of planet formation with the Keck/NIRC2 vortex coronagraph (Abstract 111)
<b>ESPAILLAT, Catherine (Boston University), 20 min</b> Studying the end stages of the protoplanetary disk phase (Abstract 114)
<b>Coffee Break (10:25 am – 11:05 am)</b>
<b>Session 10: Disks, Planets in Binaries</b> <b>(11:05 am - 12:35 pm) Chair: Yanqin Wu</b>
<b>CHIANG, Eugene (Berkeley), 20 min</b> Avalanches in the AU Mic Debris Disk (Abstract 113)
<b>CATALDI, Gianni (Subaru telescope, NAOJ), 15 min</b> ALMA resolves Cl emission from the Pictoris debris disk (Abstract 23)
<b>WYATT, Mark (University of Cambridge), 20 min</b> Inward delivery of volatiles to inner planetary systems (Abstract 120)
<b>IDA, Shigeru (ELSI, Tokyo Tech), 20 min</b> Formation of wide-orbit gas giants near the stability limit in multi-stellar systems (Abstract 91)
<b>LEE, Man Hoi (The University of Hong Kong), 15 min</b> Dynamics of Circumstellar Planets in Binary Systems (Abstract 104)
<b>Free Afternoon and Evening</b>

## Thursday, December 14

<b>Session 11: Small Stars and Small Planets (8:45 am - 10:20 am) Chair: Josh Winn</b>
<b>TRIAUD, Amaury (University of Birmingham), 20 min</b> Changing perspective on planet formation: small stars and binaries (Abstract 70)
<b>ORMEL, Chris (University of Amsterdam), 15 min</b> Formation of TRAPPIST-1 and other low-mass planetary systems (Abstract 74)
<b>Lee, Eve (California Institute of Technology), 15 min</b> Ultra-Short Period Planets, Magnetospheric Truncation, and Tidal Inspiral (Abstract 80)
<b>Liu, Beibei (University of Amsterdam) , 15 min</b> Magnetospheric rebound: a mechanism to re-arrange the orbital configurations of close-in super-Earths during disk dispersal ( Abstract 9 )
<b>TAN, Jonathan (University of Florida) , 15 min</b> Inside-Out Planet Formation ( Abstract 147 )
<b>MOHANTY, Subhanjoy (Imperial College London) , 15 min</b> Viscously Unstable Inner Disks: A New In Situ Formation Mechanism for Close-in Earths and Super-Earths ( Abstract 105 )
<b>Coffee Break (10:20 am – 11:00 am)</b>
<b>Session 12: Small Planets, Planetary Dynamics (11:00 am - 12:35 pm) Chair: Re'em Sari</b>
<b>KOKUBO, Eiichiro (National Astronomical Observatory of Japan) , 20 min</b> Orbital Architecture of Close-in Planetary Systems Formed by Giant Impacts ( Abstract 148 )
<b>Tamayo, Daniel (University of Toronto at Scarborough / Canadian Institute for Theoretical Astrophysics) , 15 min</b> A million-fold speedup in the dynamical characterization of multi-planet systems ( Abstract 54 )
<b>Petit, Antoine (IMCCE, Observatoire de Paris) , 15 min</b> AMD-stability and the classification of planetary systems ( Abstract 53 )
<b>MOGAVERO, Federico (Observatoire de Paris - ENS Lyon) , 15 min</b> Predicting planetary architectures via statistical mechanics ( Abstract 89 )
<b>Li, Gongjie (Harvard/Georgia Tech) , 15 min</b> On the Spin-axis Dynamics of Planets ( Abstract 25 )
<b>HAGHIGHIPOUR, Nader (University of Hawaii) , 15 min</b> Existence, Frequency, and Detectability of Inclined and Non-Transiting Circumbinary Planets ( Abstract 78 )
<b>Lunch Break (12:35 pm – 14:00 pm)</b>

<b>Session 13: Planet-Disk interaction</b> <b>(14:00 pm - 15:30 pm) Chair: Ruth Murray-Clay</b>
<b>PAARDEKOOOPER, Sijme-jan (jointly with R.Nelson) (Queen Mary University of London) , 15 min</b> Migration of low-mass planets in laminar discs ( Abstract 8 )
<b>Nelson, Richard (jointly with S.PAARDEKOOOPER) (Queen Mary University of London) , 15 min</b> Migration of low mass planets in laminar, magnetically torqued protoplanetary discs ( Abstract 26 )
<b>MASSET, Frederic (UNAM) , 15 min</b> Impact of thermal diffusion and heat release on the orbital evolution of low-mass protoplanets ( Abstract 88 )
<b>FUNG, Jeffrey (University of California at Berkeley) , 15 min</b> Save the Planet, Feed the Star: Migration Feedback and Disk Accretion ( Abstract 103 )
<b>Xu, Wenrui (Princeton University) , 15 min</b> Migration of planets into and out of mean motion resonances in protoplanetary disks: the effect of nonlinear eccentricity damping ( Abstract 75 )
<b>JI, Jianghui (Purple Mountain Observatory, Chinese Academy of Sciences) , 15 min</b> Exoplanets formation in near Mean Motion Resonances ( Abstract 106 )
<b>Coffee break (15:30 pm – 16:10 pm)</b>
<b>Session 14: Planet-Disk interaction: Interpreting observations; Solar system</b> <b>(16:10pm - 17:35 pm) Chair: Sean Andrews</b>
<b>Dong, Ruobing (University of Arizona) , 20 min</b> Connecting simulations of disk-planet interactions with observations of protoplanetary disks ( Abstract 24 )
<b>PINILLA, Paola (Steward Observatory, University of Arizona) , 15 min</b> Rings, gaps and cavities in protoplanetary disks: How to distinguish between different potential origins? ( Abstract 28 )
<b>Zhu, Zhaohuan (University of Nevada-Las Vegas) , 20 min</b> Accreting Circumstellar and Circumplanetary Disks (Abstract 97)
<b>SZULAGYI, Judit (ETH Zurich), 15 min</b> Forming planets and their circumplanetary disks (Abstract 34)
<b>Dvorak, Rudolf (University of Vienna), 15 min</b> Why is there no Hilda planet in our Solar System? (Abstract 11)
<b>Transportation to Banquet</b> <b>Post-dinner speaker: Doug Lin</b>



**Friday, December 15**

<b>Session 15: Protoplanetary Disk Theory and Planet Formation (8:45 am - 10:20 am) Chair: Catherine Espaillat</b>
<b>Bai, Xuening (Tsinghua University), 20 min</b> Towards Realistic Understandings of Gas Dynamics in Protoplanetary Disks (Abstract 33)
<b>LIN, Min-kai (ASIAA), 15 min</b> Dust-free modeling of dusty protoplanetary disks (Abstract 4)
<b>MUTO, Takayuki (Kogakuin University), 15 min</b> Physical Mechanisms of Rossby Wave Instability and its Non-linear Outcome: Implications for Lopsided Structures in Protoplanetary Disks (Abstract 79)
<b>Munoz, Diego (Northwestern University), 15 min</b> Accreting Circumbinary Disks: a Link Between Star and Planet Formation (Abstract 131)
<b>LAIBE, Guillaume (ens de lyon) , 15 min</b> On linear growth of streaming instability in pressure bumps ( Abstract 108 )
<b>STAMATELLOS, Dimitris (University of Central Lancashire) , 15 min</b> The life of young planets in self-gravitating discs ( Abstract 118 )
<b>Coffee Break (10:20 am – 11:00 am)</b>
<b>Session 16: Exoplanet Atmospheres (11:00 am - 12:30 pm) Chair: Jonathan Fortney</b>
<b>Sing, David (University of Exeter) , 20 min</b> A Panchromatic Comparative View of Exoplanet Atmospheres ( Abstract 27 )
<b>DESERT, Jean-michel (University of Amsterdam, Netherlands) , 20 min</b> Comparative Exoplanetology From Atmospheric Studies ( Abstract 135 )
<b>LINES, Stefan (University of Exeter) , 15 min</b> Exo-Nephology: 3D simulations of cloudy hot-Jupiter atmospheres with the UK Met Office climate model ( Abstract 14 )
<b>Zhang, Xi (University of California Santa Cruz) , 20 min</b> Exotic clouds in cold and hot planetary atmospheres ( Abstract 86 )
<b>ROUAN, Daniel (LESIA Observatoire de Paris) , 15 min</b> What JWST will bring to exoplanet origin and characterization ( Abstract 12 )
<b>Lunch Break (12:30 pm – 14:00 pm)</b>
<b>Session 17: Planet Interior, Solar System, New Search (14:00 pm - 15:25 pm) Chair: Jianghui Ji</b>
<b>CHABRIER, Gilles (CRAL, ENS-Lyon) , 20 min</b> Physical processes in the interior and the atmosphere of (solar and extrasolar) giant planets ( Abstract 151 )

<b>MIGUEL, Yamila (Observatoire de la Cote d'Azur) , 20 min</b> Discovering the Interior of Jupiter with Juno ( Abstract 21 )
<b>MOUTAMID, Maryame El (Cornell University) , 15 min</b> Evidence of differential rotation inside Saturn from waves of its rings ( Abstract 150 )
<b>YIN, Qing-zhu (University of California at Davis) , 15 min</b> Testing Grand Tack Model with Meteorites Isotopic Records ( Abstract 62 )
<b>TRIFONOV, Trifon (Max-Planck-Institut für Astronomie) , 15 min</b> First results from CARMENES visual-channel radial-velocity measurements ( Abstract 82 )
<b>Coffe Break (15:25 pm – 16:05 pm)</b>
<b>Session 18: New Instruments and Search, Discussion (16:05 pm - 17:30 pm) Chair: Dong Lai</b>
<b>Ge, Jian (University of Florida) , 20 min</b> The Dharma Planet Survey of Low-mass and Habitable Rocky Planets around Nearby Solar-type Stars ( Abstract 36 )
<b>Zhou, JiLin (Nanjing University) , 20 min</b> Time Domain Observatory of Nanjing University and our related works ( Abstract 153 )
<b>Panel/Open Floor Discussion, 45 min (Missing Topics, Important/Unsolved Problems, Future) Panelists: Catherine Espailat, Jonathan Fortney, Andrew Howard, Ruth Murray-Clay, Re'em Sari, Yanqin Wu</b>
<b>End of Conference</b>

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## POSTERS

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**BAILLIE, Kevin (Abstract 138)**

Joint growth of young star and protoplanetary disk

**BLECIC, Jasmina (Abstract 100)**

Microphysical Kinetic Cloud Model in 1D Retrieval

**BOEHLE, Anna (Abstract 110)**

L'-band Direct Imaging Search for Exoplanets Around Nearby Stars in Archival VLT/NACO Data

**Cai, Maxwell (Abstract 146)**

How planetary systems are shaped by their birth environments in star clusters?

**CAZZOLETTI, Paolo (Abstract 99)**

Comparing ALMA and VLT-SPHERE images of HD 135344B: different implications for potential planets

**CHEN, Guo (Abstract 77)**

A GTC survey of transiting exoplanet atmospheres

**DAI, Yuanzhe (Abstract 76)**

Photo-evaporation of protoplanetary disks in young open clusters

**Deng, HongPing (Abstract 50)**

Fragmentation of early massive circumstellar disk, with and without MRI turbulence

**DIPIERRO, Giovanni (Abstract 145)**

An opening criterion for dust gaps in protoplanetary discs

**DVORAK, Rudolf (Abstract 11)**

Why is there no Hilda planet in our Solar System?

**ERCOLANO, Barbara (Abstract 71)**

Accreting Transition Discs with large cavities created by X-ray photoevaporation in C and O depleted discs

**Fang, Min (Abstract 43)**

Winds from T Tauri stars

**FUJISAWA, Kotaro (Abstract 69)**

Rapidly rotating substellar objects

**GONZALEZ, Jean-françois (Abstract 31)**

Self-induced dust traps: overcoming planet formation barriers

**GU, Pin-gao (Abstract 94)**

Planet Eccentricity Sabotages Vortex Survival

**Guo, Zhen (Abstract 116)**

Observational evidences of star-disk interaction on pre-main-sequence star

**HALL, Cassandra (Abstract 51)**

Protostellar disc fragments in SPH simulations

**Hu, Xiao (Abstract 98)**

Interpreting HL-Tau In A Non Ideal Way

**HU, Yongyun (Abstract 0)**

Abrupt climate transition of icy worlds from snowball to moist or runaway greenhouse

**HUANG, Pinghui (Abstract 130)**

Detectability of Vortices in Transition Disks

**JANKOVIC, Marija (Abstract 67)**

Formation of Close-in Earths and Super-Earths: Locating the MRI-Induced Pressure Barrier

**Jia, Shi (Abstract 63)**

Instability of mass transfer in a planet-star system

**JIANG, Chaofeng (Abstract 95)**

Interesting patterns in MMRs among adjacent planet pairs

**KAUSHAL, Kaushal (Abstract 96)**

Automatic Analysis Tools for Stellar Parametrization and classification of cool stars

**LI, Sinan (Abstract 73)**

The Critical Core Mass of Core Accretion Model for Planet Formation:the Effect of Mixing Length Theory

**LIN, Douglas (Abstract 134)**

Dynamical Interaction between close-in Super Earths and their Magnetically Active Stars

**Lin, Min-Kai (Abstract 5)**

Vertical shear instability in dusty protoplanetary disks

**Lin, Min-Kai (Abstract 19)**

Vortex survival in 3D self-gravitating discs Content

**Liu, Hui-Gen (Abstract 55)**

Photometry of Proxima Centauri in Antarctica: A Candidate Transit Event of its Earth-size Planet

**LIVINGSTON, John (Abstract 119)**

Validation of Planets from K2's Second Year

**Long, Feng (Abstract 58)**

An ALMA Survey of CO isotopologue emission from Protoplanetary Disks in Chamaeleon I

**LUPU, Roxana (Abstract 102)**

Constraining Methane Abundance and Cloud Properties from the Reflected Light Spectra of Directly Imaged Exoplanets

**MAH, Jingyi (Abstract 107)**

Dynamical stability of the TRAPPIST-1 system

**Maindl, Thomas (Abstract 52)**

The role of collisions in water transport and water loss during planet formation

**MENG, Tong (Abstract 133)**

Dynamical evolution and stability maps of the Proxima Centauri system

**MILLS, Sean (Abstract 132)**

A Circumbinary Planet Orbiting A Pair of Active Stars

**MONSCH, Kristina (Abstract 47)**

X-Ray Photoevaporation and the Final Location of Giant Planets

**OHNO, Kazumasa (Abstract 18)**

Microphysical Modeling of Convective Dust Clouds in Warm Super-Earths

**PICOGNA, Giovanni (Abstract 85)**

Planet-disc interaction in laminar and turbulent discs

**PICOGNA, Giovanni (Abstract 66)**

The dispersal of planet forming discs: a new generation of X-ray photoevaporation models

**SHAN, Yutong (Abstract 81)**

The Obliquity Variations of Habitable Zone Planets Kepler-62f and Kepler-186f

**SKEMER, Andy (Abstract 115)**

Characterizing the Coldest Exoplanets

**SUTO, Yasushi (Abstract 32)**

Searching for Exoplanetary Rings via Transit Photometry

**TAKAHASHI, Sanemichi, Muto, T. (Abstract 37)**

Early evolution of protoplanetary disks: a ring-gap structure formation

**UBEIRA GABELLINI, Maria Giulia (Abstract 127)**

The gas and dust disk around the CQ Tau protostar

**Wang, Su (Abstract 60)**

Formation of Planetary Systems in Near Mean Motion Resonances

**WANG, Xuefeng (Abstract 44)**

Dynamic portrait of the planar 3:1 mean motion resonance

**WONG, Ka Ho (Abstract 65)**

Stability of Coplanar Circumstellar Retrograde Orbits in Binary Systems

**Xu, Rui (Abstract 40)**

Chemical network reduction in protoplanetary disks

**XU, Ziyang; BAI, Xuening; MURRAY-CLAY, Ruth (Abstract 20)**

Pebble Accretion in Turbulent Protoplanetary Disks

**YAN, Dongdong (Abstract 149)**

The observational signals of exoplanets' atmospheric escape

**Yang, Yi (Abstract 42)**

Subaru/HiCIAO High-contrast Near-infrared Observations towards Protoplanetary Disks in Binary Systems

**Yee, Samuel (Abstract 30)**

A new distant, eccentric Jovian around HAT-P-11

**YU, Cong (Abstract 2)**

Formation of Super-Earths by Tidally-Forced Turbulence

**Zanazzi, J.J. (Abstract 84)**

Inclination Evolution of Protoplanetary Disks Around Eccentric Binaries

**Zhang, Hui (Abstract 7)**

Searching for Exoplanet from Dome A Antarctica

**ZHANG, Xiaojia (Abstract 101)**

Gas dynamics of retrograde circumprimary disks in close binaries

**ZHENG, Xiaochen (Abstract 3)**

Clearing Residual Planetesimals By Sweeping Secular Resonances in Transitional Disks: A Lone-Planet Scenario for The Wide Gaps in Debris Disks Around Vega and Fomalhaut

**ZHOU, Yifan (Abstract 126)**

Cloud Atlas: A Comparative Study of Directly Imaged Planetary-Mass Companions with Hubble Space Telescope Time-resolved Spectroscopy