

Session Program

Jan 5 - 9, 2026



7th China-Chile Bilateral Conference for Astronomy

Contributed talks

The University of Hong Kong, CPD 3.04
Run Run Shaw Tower, The University of Hong Kong

Mon, January 5

9:40 AM

Contributed talks: Day 1 Session 1

Session | Convener: Prof. Franz Bauer

9:40 – 9:52 AM

Measurements of Black Hole Masses using Spectral Energy Distribution of quasars at $z \sim 6$

Speaker

Prof. Fuyan Bian

9:52 – 10:04 AM

Quasar surveys in China and Quasar Candidate Selections for the Southern Sky

Speaker

Prof. Xue-Bing Wu

10:04 – 10:16 AM

Extreme X-ray weakness and variability in super-Eddington accreting AGNs

Speaker

Prof. Bin Luo

10:16 – 10:28 AM

CO(7-6) and [C I](2-1) survey in $z > 6$ quasars

Speaker

Mr Fuxiang Xu

10:28 – 10:40 AM

Evidence of Gas Depletion in Quasars with Moderate Radio Emission

Speaker

Ms Yuhan Wen

10:40 AM

11:25 AM

Contributed talks: Day 1 Session 2

Session | Convener: Prof. Franz Bauer

11:25 – 11:37 AM

Strong Line Metallicity Calibrations for high- z Galaxies from Local Analogs.

Speaker

Prof. Valentino Gonzalez

11:37 – 11:49 AM

Statistical insights into star formation and cold gas in protoclusters at cosmic noon

Speaker

Dr Luwenjia Zhou

11:49 AM – 12:01 PM

Gravitationally Lensed View of DSFG-1 in PLCK G165.7+49.0: Strong Dust Emission and Spatially Resolved Stellar Population Analysis with JWST and SMA

Speaker

Ms Zhiyu Yan

12:01 – 12:13 PM

Galaxy Assembly from Reionization to Present-day Revealed by JWST**Speaker**

Dr Cheqiu Lyu

12:13 – 12:25 PM

A 13-Gyr view of galaxy growth and baryon cycle with JWST 3D Spectroscopy**Speaker**

Prof. Xin Wang

12:30 PM

2:50 PM

Contributed talks: Day 1 Session 3**Session** | **Convener:** Prof. Fuyan Bian

2:50 – 3:02 PM

The Leighton Chajnantor Project (LCT): an update**Speaker**

Prof. Rodrigo Reeves

3:02 – 3:14 PM

Development of Chinese ground-based solar coronagraph**Speaker**

Prof. Yu Liu

3:14 – 3:26 PM

Embodied Intelligence and Autonomous Operation of the Sun Yat-sen University 80 cm Infrared Telescope**Speaker**

Mr Zhongnan Dong

3:30 PM

4:25 PM

Contributed talks: Day 1 Session 4**Session** | **Convener:** Prof. Fuyan Bian

4:25 – 4:37 PM

Radiation Pattern Analysis and Optimization for Leighton Chajnantor Telescope**Speaker**

Prof. Zheng Wang

4:37 – 4:49 PM

Research on sub aperture accuracy design and manufacturing method of reflector panel for large aperture submillimeter wave telescope**Speaker**

Prof. Zhengxiang Shen

4:49 – 5:01 PM

HIF: a new ground-based high-contrast imager for exoplanets detection research**Speaker**

Dr Jing Guo

5:01 – 5:13 PM

Cosmic Ray Detection and Rejection for CSST**Speaker**

Prof. Bin Ma

5:13 – 5:25 PM

Laboratory tests for the CSST SC CCD detectors

5:32 PM

Speaker
Mr Zun Luo

Tue, January 6

9:25 AM

Contributed talks: Day 2 Session 1

Session | **Convener:** Prof. Jiasheng Huang

9:25 – 9:37 AM

The Hyperluminous, Dust-obscured Quasar W2246-0526: ALMA High-Resolution [CII] Imaging

Speaker

Dr Mai Liao

9:37 – 9:49 AM

Re-evaluating the Mass-Metallicity Relation with Self-Consistent Photoionization Models

Speaker

Ms Ziming Peng

9:49 – 10:01 AM

Strong spectral features from asymptotic giant branch stars in distant quiescent galaxies

Speaker

Dr Shiyang LU

10:01 – 10:13 AM

Photometric redshift estimation and its characterization

Speaker

Prof. Kwan Chuen Chan

10:13 – 10:25 AM

Simulating gas and dark matter with a new radiation hydrodynamics method

Speaker

Prof. Tsang Keung Chan

10:30 AM

12:15 PM

Contributed talks: Day 2 Session 2

Session | **Convener:** Prof. Jiasheng Huang

12:15 – 12:27 PM

Rethinking Galaxy Evolution: A Multidisciplinary Perspective via a Simple Growth Model (and polls from 2 international conferences)

Speaker

Prof. Antonios Katsianis

12:30 PM

2:50 PM

Contributed talks: Day 2 Session 3

Session | **Convener:** Prof. Quentin Parker

2:50 – 3:02 PM

The Tianlin mission: a 6.6m UV-VIS-NIR space telescope for the search of biosignatures

Speaker

Prof. Wei Wang

3:02 – 3:14 PM

An introduction to the 2.5m Wide Field Survey Telescope: data system and recent progress**Speaker**

Prof. Lulu Fan

3:14 – 3:26 PM

Direct Imaging of the Cosmic Web using the Condor Array Telescope, and hydrodynamic simulation predictions**Speaker**

Prof. John Webb

3:30 PM

4:25 PM

Contributed talks: Day 2 Session 4**Session** | **Convener:** Prof. Quentin Parker

4:25 – 4:37 PM

Searching for Spider-Like Pulsars from TESS Ellipsoidal Lightcurves with X-ray counterparts**Speaker**

Dr Partha Sarathi Pal

4:37 – 4:49 PM

The Dominant Contribution of Pulsar Wind Nebulae to the Galactic Cosmic Ray Proton Spectrum and Prospects with SWGO**Speaker**

Dr Ziwei Ou

4:49 – 5:01 PM

Observing radio transients with Phased ALMA**Speaker**

Prof. Marilyn Cruces

5:01 – 5:13 PM

Pulsar Science at the Xinjiang Astronomical Observatory: Progress and Prospects**Speaker**

Prof. Wenming Yan

5:13 – 5:25 PM

Antarctic Infrared Binocular Telescope: Observations in the 1.4 μm water-vapor-absorption band**Speaker**

Mr Pu Lin

5:30 PM

Wed, January 7

9:50 AM

Contributed talks: Day 3 Session 1

Session | **Convener:** Prof. Chenggang Shu

9:50 – 10:02 AM

Supernova Rate in local universe

Speaker

Prof. Xiaofeng Wang

10:02 – 10:14 AM

What determines star formation in the Galaxy

Speaker

Prof. Jingwen Wu

10:14 – 10:26 AM

Tracing the magnetic field in star formation regions

Speaker

Dr Qi-Lao Gu

10:30 AM

11:50 AM

Contributed talks: Day 2 Session 2

Session | **Convener:** Prof. Chenggang Shu

11:50 AM – 12:02 PM

From Harbour to Orbit: Hong Kong's SpaceTech Ecosystem

Speaker

Prof. Pietro Borsano

12:02 – 12:14 PM

Revealing Dark Matter under the Lens

Speaker

Dr Amruth Alfred

12:14 – 12:26 PM

How to Fit All Emission Lines Simultaneously with Photoionisation Models

Speaker

Ms Shiyu YUE

12:30 PM

Thu, January 8

9:50 AM

Contributed talks: Day 4 Session 1

Session | **Convener:** Prof. Guido Garay

9:50 – 10:02 AM

Introducing the VariableTNG Simulation: Impact of Baryon Physics on Galaxy Formation

Speaker

Prof. Hong Guo

10:02 – 10:14 AM

Isolated dark-matter-deficient dwarf galaxies

Speaker

Prof. Huijie Hu

10:14 – 10:26 AM

Cold gas cycle in nearby galaxies

Speaker

Dr Min Bao

10:30 AM

11:25 AM

Contributed talks: Day 4 Session 2

Session | **Convener:** Prof. Guido Garay

11:25 – 11:37 AM

The HASH planetary nebulae database and recent science results

Speaker

Prof. Quentin Parker

11:37 – 11:49 AM

Searching for Planetary Nebulae in Open Clusters

Speaker

Dr Andreas Ritter

11:49 AM – 12:01 PM

The Rise and Fall of HuBi 1

Speaker

Mr Zhengjie Tian

12:01 – 12:13 PM

Chemical Abundances and Globular Clusters of Milky Way dwarf Galaxies

Speaker

Prof. Baitian Tang

12:13 – 12:25 PM

Dynamical Evolutions in Globular Clusters and Dwarf Galaxies

Speaker

Prof. Yiming Zhong

12:30 PM

2:25 PM

Contributed talks: Day 4 Session 3

Session | **Convener:** Prof. Francisco Forster

2:25 – 2:37 PM

Statistical Studies of Exoplanets with LAMOST and Future Prospects with ESST

Speaker

Prof. Ji-Wei Xie

2:37 – 2:49 PM

Atmospheric Studies of Exoplanets via China-Chile Collaboration**Speaker**

Prof. Wei Wang

2:49 – 3:01 PM

Unlocking JWST/NIRISS Spectra with Cross-Correlation: Detection of CO & H₂O in WASP-18b and a Better Constraint of C/O Ratio**Speaker**

Dr Qinglin Ouyang

3:01 – 3:13 PM

Cometary Water Delivery: N-body Simulations of Non-Gravitational Forces in Early Earth Hydration**Speaker**

Mrs Judytza Tapia Henriquez

3:13 – 3:25 PM

Infrared absorption of 23 meteorites from the Atacama Desert**Speaker**

Ms Grace Batalla Falcon

3:30 PM

4:00 PM

Contributed talks: Day 4 Session 4**Session** | **Convener:** Prof. Francisco Forster

4:00 – 4:12 PM

Storage ring studies of carbon cluster thermal electronic radiation**Speaker**

Prof. Klavs Hansen

4:12 – 4:24 PM

Searching for the Exoplanet Source of Carbon Fullerenes**Speaker**

Dr SeyedAbdolreza Sadjadi

4:24 – 4:36 PM

Planetary Sciences Research at U Chile**Speaker**

Prof. Patricio Rojo

4:36 – 4:48 PM

Are AU Mic b and c on mutually inclined orbits?**Speaker**

Mr Zitao Lin

4:48 – 5:00 PM

Diverse Emission Patterns from Precessing Super-Eddington Disks Formed in Tidal Disruption Events**Speaker**

Dr Jinhong Chen

5:00 – 5:12 PM

A new method of measuring magnetic field strength in the highly structured protostellar envelopes

5:42 PM

Speaker
Mr Xiaoyuan Yang

Fri, January 9

9:50 AM

Contributed talks: Day 5 Session 1

Session | Convener: Prof. Patricio Rojo

9:50 – 10:02 AM Study Einstein Probe Transients with VLT/FORS2

Speaker
Prof. Wenxiong Li

10:02 – 10:14 AM CO and Dust Formation in Supernovae

Speaker
Prof. Lingzhi Wang

10:14 – 10:26 AM
Einstein Probe Discovery of a New Type X-ray Transient and its Mysterious Link to Supernovae

Speaker
Dr Hui Sun

10:30 AM

11:25 AM

Contributed talks: Day 5 Session 2

Session | Convener: Prof. Patricio Rojo

11:25 – 11:37 AM Dark energy in vector-tensor theories of gravity

Speaker
Prof. Sebastian Garcia-Saenz

11:37 – 11:49 AM
Dwarf Galaxy Integral-field Survey (DGIS): Survey Overview and Insights into Their Ecosystem

Speaker
Ms Xin Li

11:49 AM – 12:01 PM Conference summery and Closing ceremony

Speaker
Prof. Quentin Parker

12:30 PM