



DEPARTMENT OF PHYSICS  
THE UNIVERSITY OF HONG KONG



香港天文與天體物理研究所  
THE HONG KONG INSTITUTE FOR  
ASTRONOMY AND ASTROPHYSICS

# HKIAA Colloquium Series

## Towards New Horizons - Planet Formation with JWST



March 20, 2026 (Friday)



11:00 a.m.



Room 522, 5/F, Chong Yuet  
Ming Physics Building, The  
University of Hong Kong



**Prof. Thomas HENNING**

*Max Planck Institute for Astronomy*

### Abstract:

The James Webb Space Telescope (JWST) is the most powerful space-based infrared observatory ever built. The first part of the talk will shortly discuss the main features of the observatory. The talk will then highlight some of the exciting science results, ranging from the high-redshift universe to the spectra of exoplanets and planet-forming disks. A special emphasis will be placed on the planet formation process and what we can learn from infrared spectroscopy regarding the inventory of material in the terrestrial planet-forming zones of protoplanetary disks. The talk will also provide a summary of the present scenario of the physics of planet formation.

### Biography:

Professor Thomas Henning

Director Emeritus - Max Planck Institute for Astronomy

Professor for Astronomy - University of Heidelberg

Research Areas: Planet and Star Formation, Characterization of Exoplanets, Astrochemistry, Laboratory Astrophysics.

Anyone interested is welcome to attend.

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