

GISSS 2022

Greater IPAC Science Symposium

**Cahill Hameetman Auditorium, Caltech
& Zoom**

Thursday-Friday, Aug 25-26 , 2022

<http://giss.ipac.caltech.edu/meetings/2022/>

Thursday August 25th

Session 1

Chair: Ranga-Ram Chary

9:30 Introduction

9:45 Roberta Paladini

10:15 Kyle Finner

10:30 Sebastiano Calchi Novati

10:45 Break

Unveiling Grain Growth in Very Dense Galactic Cores with JWST

The NIR PSF in CANDELS

Microensing Planets with Spitzer

15 mins

Session 2

Chair: Rachel Akeson

11:00 Special Guest

11:20 Martin Gascue

11:35 Bruce Berriman

11:50 Kiersten Boley

12:05 Lunch

20 mins

Characterizing the photometric variability of AGN and starburst galaxies with ZTF and NEOWISE

Enabling Science with Virtual Observatory

Impacts on Planet Formation: Planet Occurrence Rates around Metal-Poor Stars

~1 hour

Session 3

Chair: Greg Walth

1:00 Harry Teplitz

1:30 Luisa Rebull

1:45 Marziye Jafariyazani

2:00 Nancy Paradise

2:15 Break

Parallel Application of Slitless Spectroscopy to Analyze Galaxy Evolution with JWST

Young Stars in IC417, the Spider Nebula

Galaxy Colors on Self Organizing Maps

Show Me the Money

15 mins

Session 4

Chair: Vihang Mehta

2:30 Shoubaneh Hemmati

2:45 Ranga-Ram Chary

3:00 Philip Appleton

Generative Astronomical Networks

Dynamo Action in the Universe: Insights from $z \sim 6$ Quasars

A first look at Stephan's Quintet with JWST

Friday August 26th

Session 5

Chair: Marziye Jafariyazani

9:30 Lee Armus

10:00 Davy Kirkpatrick

10:15 Greg Walth

10:30 Sergio Fajardo-Acosta

10:45 Break

A JWST Study of the Starburst-AGN Connection in Merging LIRGs

When the SURF isn't Variable, Swim in Pairs

A First Look at Gravitationally Lensed Dusty Galaxies with JWST

Joint Survey Processing: Stellar Proper Motions in the COSMOS Field from HST ACS and Subaru HSC

15 mins

Session 6

Chair: Luisa Rebull

11:00 Jessica Krick

11:15 Brigitta Sipőcz

11:30 Joe Mazz

11:45 Lunch

What have we learned from JWST on exoplanets so far?

Sustainable and reproducible notebooks

Visualizing NED - Part 1

1 hour and 15 mins

Session 7

Chair: Patrick Morris

1:00 Marie Ygouf

1:30 Andreas Faisst

1:45 Vihang Mehta

2:00 Joe Masiero

2:15 Reception

3:30 George Helou

Optimizing Post-Processing of JWST High-Contrast-Imaging Observations

COSMOS-Web: Going Deeper and Redder in COSMOS with the largest JWST program

A resolved analysis of star-formation indicators at $z \sim 1$ with UVCANDELS

Barbarian Polarimetry: Chasing Asteroids with WIRC+Pol

Food provided and trivia!

State of IPAC (for IPAC staff ONLY)