

Schedule for Habitable Worlds 2021 Workshop (all times EST)

Monday, February 22 Introduction

- 12:00 – 12:09 [Welcoming Remarks](#)
Steve Desch (Arizona State) and Dawn Gelino (NASA Exoplanet Science Institute, IPAC, Caltech)
- 12:10 – 12:39 Laura Schaefer (Stanford)
[Primer Talk #1](#): “Terrestrial Planet Atmospheres are Connected to Their Planets’ Interiors”
- 12:40 – 12:54 Sasha Warren (U. Chicago)
[Contributed talk](#): “Degassing, Decarbonization and Dehydration: Making Room for an Early Habitable Period in Venus’s Atmospheric Evolution”
- 12:55 – 1:10 Siyi Xu (Gemini Observatory)
[Contributed talk](#): “A New Method to Measure the Chemical Compositions of Extrasolar Planets”
- 1:10 – 1:40 [Break/Open Engagement](#) - All
- 1:40 – 2:09 Josh Krissansen-Totton (UC Santa Cruz)
[Primer Talk #2](#): “Identifying Biosignatures Depends on the Whole Planetary Context”
- 2:10 – 2:24 Jaime Crouse (NASA GSFC)
[Contributed talk](#): “Biosignature Gas Pairs: Detectability and Implications for Future Observing Strategies”
- 2:25 – 2:39 Sara Seager (MIT)
[Contributed talk](#): “Prospects for Life on Sub-Neptune-Sized Exoplanets”
- 2:40 – 3:05 [Review of Pre-Meeting Activities](#)
Cayman Unterborn (Arizona State), Daniel Apai (U. Arizona)
- 3:05 – 3:35 [Break/Open Engagement](#) - All
- 3:35 – 4:04 Scott Gaudi (Ohio State)
[Primer Talk #3](#): “Observing Planets at Interstellar Distances is Not the Same as Observing Them From a Few AU or Less”
- 4:05 – 4:19 Vikki Meadows (U. Washington)
[Contributed Talk](#): “Feasibility of Detecting Biosignatures in the TRAPPIST-1 Planetary System with *JWST*”

- 4:20 – 4:34 Alex Bixel (U. Arizona)
[Contributed Talk](#): “Bioverse: A Simulation Framework to Assess the Statistical Power of Future Biosignature Surveys”
- 4:35 – 4:40 [Brief Remarks](#)
- 4:40 – 5:00+ [Open Engagement](#) - All