



Lecture

ÖAW-ISTA Lecture Lisa Kaltenegger

Lisa Kaltenegger

Cornell University

Host: Jorryt Matthee

With more than 6000 new worlds circling other stars, the era of exoplanet research has shown a vast diversity of new worlds on our cosmic horizon. For thousands of years, humans have wondered whether we're alone in the cosmos. Now, for the first time, we have the technology to investigate - on the edge of technological possibility. But once you look for life elsewhere, you realize it is not so simple. How do you find it over cosmic distances? What is life in the first place? Using our own planet as a Rosetta Stone, we need to creatively analyze Earth's history and its astonishing biosphere, to inform this search. With the James Webb Space Telescope we can characterize rocky planets circling other stars for the first time - from lava worlds to Hot Jupiters to planets on the edge to the first worlds in the Habitable Zone of their stars. I will discuss some of the most interesting recent discoveries in the ongoing search to find out if we are alone in the Cosmos - or not. Register here A reception with food and drinks will be available for all registered guest after the lecture, free of charge. Climate-friendly arrival & departure An extra shuttle bus will be available from Heiligenstadt at 15:15 - 15:57 - 16:05 The regular shuttle bus will return to Heiligenstadt at 18:13 - 18:28 - 18:58 - 19:26 - 20:28 The shuttle bus is free of charge for all registered guests. How to get to ISTA Campus The event meets the criteria of the Austrian Ecolabel for Green Meetings. If you have any questions about the event's sustainability standards, please contact the Green Event Officer Niels Eelman (niels.eelman@ista.ac.at).

Tuesday, October 21, 2025 05:00pm - 06:00pm

Raiffeisen Lecture Hall



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

Please find a schedule of the ISTA Shuttle on our webpage:

<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.