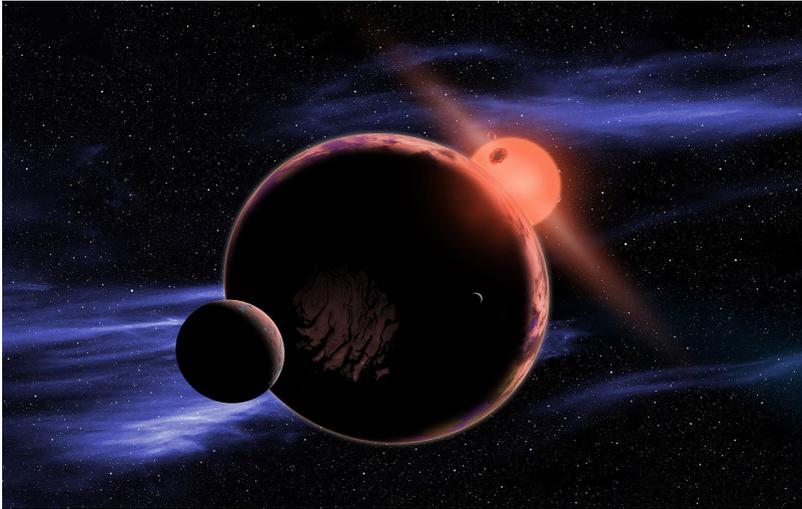


ÖAW

ÖSTERREICHISCHE
AKADEMIE DER
WISSENSCHAFTEN

JULY 25, 2022
5.00 P.M.
OEAW, SITZUNGSSAAL
DR. IGNAZ-SEIPEL-PLATZ 2
1010 VIENNA



PUBLIC LECTURE INVITATION

CLIMATE AND THE POTENTIAL FOR LIFE ON OTHER PLANETS



Dorian Abbot has an undergraduate degree in physics (2004, Harvard) and a PhD in applied math (2008, Harvard). He came to the University of Chicago as a Chamberlin Fellow in 2009 and stayed on as a faculty member in 2011. He uses mathematical and computational models to understand and explain fundamental problems in Earth and Planetary Sciences. He has worked on problems related to climate, paleoclimate, planetary habitability, planetary dynamics, and exoplanets. He is currently a visiting researcher at University of Vienna, funded by the Strategic Partnership between the University of Chicago and the University of Vienna.

CLIMATE AND THE POTENTIAL FOR LIFE ON OTHER PLANETS

Understanding planetary habitability is key to understanding how and why life developed on Earth as well as whether life is present on planets that orbit different stars (exoplanets). Whether a planet could be habitable is determined primarily by the planet's climate.

This lecture will address insights we've gained from studying Earth's climate and how those have been used to make predictions about which exoplanets might be habitable, and how astronomical observations indicate the possibility of new climatic regimes not found on modern Earth.

PROGRAM

WELCOME

Christian Köberl | Chair, Commission for Geosciences, OeAW,
Deputy Chair, Commission for Astronomy, OeAW
and University of Vienna, Department of Lithospheric Research

Aiko Voigt | University of Vienna, Department of Meteorology and Geophysics

LECTURE

Dorian Abbot | University of Chicago
Climate and the potential for life on other planets

DISCUSSION

DRINKS RECEPTION

ORGANIZER

Commission for Geosciences (GEOK) and
Commission for Astronomy of the
Austrian Academy of Sciences (OeAW)

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REGISTRATION

Registration is suggested (to provide you with more information per E-mail). The event will be held in English.

<https://www.oeaw.ac.at/geok/detail/event/life-on-other-planets>

INFORMATION

Please note that photographs may be taken throughout the event. These will be used by the organizing institution in publications, online and in social media. Please contact the event organizer if you have any concerns or if you wish to be exempted from this activity.

Title photo: David A. Aguilar, Harvard-Smithsonian Center for Astrophysics