



Photo Credit: Dr. Alan Strauss, Director of the UA Mount Lemmon SkyCenter captured the 1-second transit from Himmel Park in Tucson, Arizona on New Years Day 2018.

Workshop Title: BIOCOSMOS: Our Sense of Place, Our Sense of Life in the Universe
When: February 1-2, 2018 (February 2 session is open to the public)
Where: Biosphere 2

Biosphere 2 would like to announce the upcoming workshop '**BIOCOSMOS: Our Sense of Place, Our Sense of Life in the Universe**', that will take place at **UA Biosphere 2 in Tucson, Arizona on February 1-2, 2018**. This event is organized in collaboration with the OCAV (Origin and Conditions of Appearance of Life) program at Paris Sciences-Lettres Research University and the CNRS-ENS-Arizona International Center for Interdisciplinary and Global Environmental Studies (iGLOBES).

The workshop aims at breaking through disciplinary boundaries by bringing together a mix of astronomers, Earth scientists, ecologists, and anthropologists to discuss how our understanding of life and nature as integrated systems advances and evolves as we become able to assemble and control complex artificial ecosystems on Earth, prepare to send and use such ecosystems on the Moon and Mars, search for alien life and ecosystems on other planets and planetary bodies, and push the boundaries of our exploration of the distant universe.

Day 1 – Thursday, February 1 (Mojave Room - 9am-5:30pm)

The first day of the workshop will focus on the design and control of complex model ecosystems. Invited keynote presentations will be complemented with short talks and posters by graduate students and postdoctoral researchers, and roundtable discussions.

CLOSED SESSION

Day 2 – Friday, February 2 (Lower Habitat - 10am-4pm)

The second day of the workshop will focus on how breakthroughs in space science and exploration affect our understanding of life and nature as an integrated system. Invited keynote lectures will be followed by a roundtable discussion. UA astronomy experts will be on-hand with solar telescopes for real-time viewing. **OPEN TO THE PUBLIC (AS PART OF GENERAL ADMISSION)**

Confirmed speakers: **John Adams** (Biosphere 2, Univ. Arizona), **Joffrey Becker** (Anthropology, Collège de France/Paris Sciences-Lettres Univ.), **Chris Impey** (Astronomy, Univ. Arizona), **Gene Giacomelli** (Biosystems Engineering, Univ. Arizona), **Dante Lauretta** (Astronomy, Univ. Arizona), **Lisa Messeri** (Anthropology, Yale Univ.), **Perig Pitrou** (Anthropology, Collège de France/Paris Sciences-Lettres Univ.), **Istvan Praet** (Anthropology, Univ. Roehampton, London), **Valerie Olson** (Anthropology, UC Irvine), **Marcia Rieke** (Astronomy, Univ. Arizona), **Peter Troch** (Hydrology, Univ. Arizona/Biosphere 2 Science Director). Opening remarks by **Joaquin Ruiz**, Biosphere 2 Director, Dean of Science, Univ. Arizona.

To attend, free registration is requested: Please send an email to ocavbioarti@gmail.com with your name, institution, and field of expertise.

FOR POSTDOCTORAL FELLOWS AND GRADUATE STUDENTS: If you wish to apply for a contribution (short talk or poster or both) in the first-day program (February 1), please write to ocavbioarti@gmail.com with the following information: your name and institution; the title(s) and short abstract(s) of your proposed contribution(s); relevant publications (if applicable); and your bio or résumé.

BIOCOSMOS Workshop organizing committee

Perig Pitrou, Collège de France/Paris Sciences-Lettres University

Istvan Praet, University of Roehampton, London

Regis Ferriere, iGLOBES International Research Center/CNRS, ENS, University of Arizona

Kevin Bonine, Biosphere 2/University of Arizona