

Wednesday, April 26, 2017

ASTROBIOLOGY AS A HUMAN ENDEAVOR: ASTROBIOLOGY EDUCATION AND PUBLIC OUTREACH:
INNOVATIONS IN ASTROBIOLOGY TEACHING AND LEARNING I

10:15 a.m. Mesa Room

Chairs: Christopher Impey
Bruce Fouke

- 10:15 a.m. Impey C. D. *
Welcome and Introduction to the Session "Innovations in Astrobiology Teaching and Learning"
- 10:30 a.m. Geppert W. D. * Kirsimäe K. Gargaud M. ten Kate I. L. Lehto K. Tautvaišien? G. Gameiro J. F. Jakobsson P. Veski S. Mason N. J.
[*The European Astrobiology Campus — Towards a Comprehensive Training of Astrobiology Students in Europe*](#) [#3170]
We present the European Astrobiology Campus, a new comprehensive, multilateral, and interdisciplinary training entity for students and early career scientists.
- 10:45 a.m. Simon M. N. * Impey C. D. Buxner S.
[*A Survey and Analysis of College Students' Preinstructional Understanding of Planet Formation*](#) [#3225]
Students at the University of Arizona answered questions on the topic of planet formation. We analyze these responses, and discuss any themes that appear from the data.
- 11:00 a.m. Brock L. S. * Impey C. D. Prather E. E. Buxner S. R.
[*Tyrannosaurus Rex and Stegosaurus Never Met: The Importance of Time in Astrobiology*](#) [#3371]
We discuss our research related to students' knowledge of the relationship between cosmological and geological timescales in the context of astrobiology.
- 11:15 a.m. Mead C. * Horodyskyj L. Buxner S. Semken S. Anbar A.
[*Advances in Assessments of Astrobiology Learning Outcomes and Data-Driven Student Support*](#) [#3625]
We use rich student data available in digital learning environments to make assessments that would be challenging to perform at scale in traditional settings.
- 11:30 a.m. Denning K. E. * Marino L.
[*Regarding Life: Connection-Based Teaching About Astrobiology*](#) [#3629]
An anthropology-based approach to preparing nonspecialist university students to learn about astrobiological science.
- 11:45 a.m. Anbar A. * Ben-Naim D. Mead C.
[*Digital Teaching Networks Inspired by Astrobiology: Adaptive Scaling of High-Quality Learning Resources*](#) [#3641]
We argue that digital teaching networks hold great potential as a means of bringing specialized learning resources to a broad audience of teachers and students.
- 12:00 p.m. Waltemathe M. * Hemminger E.
[*Teaching with Astrobiology. Enhancing Science and Technology Awareness in Humanities and Social Science Students*](#) [#3268]
The paper argues for using the methodology of the thought experiment within astrobiology to bridge the gap between STEM and the humanities in teacher education.
- 12:15 p.m. *Lunch*