Monday, April 24, 2017
POSTER SESSION I:
ASTROBIOLOGY AS A HUMAN ENDEAVOR:
ASTROBIOLOGY EDUCATION AND PUBLIC OUTREACH:
INNOVATIONS IN ASTROBIOLOGY TEACHING AND LEARNING
7:00 p.m. Main Hall

Parro V. Weiss P. Taillebot V. Gobert T. Prost A. Gómez-Elvira J. García-Villadangos M. Manchado J. M. Imhof B. Urbina D. Dalseth J. O. Fossum K. R. McDowell M. Nottle A. Hoeckelmann M. Hoheneder W. Vögele T.
The 2016 MOONWALK Simulation Campaign in Rio Tinto (Spain): Human-Robot EVA Training for Mars Exploration **[#3085]**
Huma-robot cooperation to perform EVA tasks impossible to achieve separately.

Impey C. D. Wenger M.
A Massive Open Online Class on Astrobiology **[#3086]**
A new massive open online class on astrobiology is described, offered through Coursera. The course is free and is designed for adult and lifelong learners.

Riggio G. R.
Sciworthy: A Science News Site for Addressing Political Polarization and Deficits in Astrobiology Literacy in the General Public **[#3148]**
SciWorthy is a science news website where articles cover recently published papers and are written by the scientists themselves or a science writer.

Capova K. A. Duner D. Persson E.
Societal Context of European Astrobiology Research: Astrobiology White Paper **[#3159]**
The poster presents the 'white paper on societal implications of astrobiology in European context' prepared by WG5 Philosophy and History of Science (TD1308).

Pandey S. P. Clarke J. C. Bonaccorsi R. B. Blank J. G. B. Mogul R. M. Sharma M. S.
Spaceward Bound India 2016: An Overview of the First Astrobiology Expedition to the Roof of the World **[#3246]**
The first Spaceward Bound India (SBI) expedition, to the Ladakh region in the Indian Himalayas, was made in August 2016.

Pandey S. P. Mogul R. M. Bonaccorsi R. B. Blank J. G. B. Phelps A. P. Som S. S.
Spaceward Bound India 2016: Education and Outreach Activities on the First International Astrobiology Expedition to the Himalayas **[#3247]**
This poster details the education activities undertaken in remote school villages in Ladakh, Himalayas as part of an international astrobiology expedition.

Restrepo F.
Methodological Tool with Augmented Reality for the Teaching of the Solar System **[#3286]**
The paper describes the process of creating a technological tool based on augmented reality for the teaching of the solar system.

Olcott Marshall A. Steffens K.
Supporting an Undergraduate-Created Astrobiology Museum Public Outreach Event **[#3458]**
We describe an astrobiology-themed public science outreach event created, designed, prepared, and run by undergraduate students at the University of Kansas.

Horodyskyj L. B. Mead C. Anbar A. D.
Teaching Assumptions: The Missing Component of the Scientific Process **[#3500]**
Assumptions play a critical role in the scientific process, but are rarely discussed in courses. Treating assumptions as co-equal to observations is necessary.

Coleman L. Mackey T. J. Krusor M. Sumner D. Y.
Impacts of Astrobiology Lessons on Middle School Students **[#3514]**
Four middle school astrobiology lessons are presented and are analyzed for impact in attitudes towards and knowledge of astrobiology and engineering.

Penrose L. K.
Astrobiology from the Perspective of a Student **[#3553]**
I will share some of my perspectives of astrobiology as a student and a student helper through two astrobiology educational programs in New Zealand.

Mogoşanu I. H. Waaka T. N. Blank J. G. Campbell K. A. Paul K. P. Newton C. L. R. Tait E. H. Gregory E.
Astrobiology Origins and Whakapapa Māori — A Parallel **[#3554]**
Comparing ancient cultural wisdom and modern science to discover any 'hidden knowledge' cyphered inside traditions and cultural practices.

Vázquez R. Núñez P. G. Green-Tripp D. E. Jaen-Solís L. Quevedo N. G. Guerrero J. Blanco-Cárdenas M. W. Sabin L. Reyes-Ruiz M.
Using Experiments to Support Teaching on Astrobiology **[#3611]**
We present a set of experiments and demonstrations to be done in the lab/classroom for the introductory course in Astrobiology (101).

Perera V. Mead C. Buxner S. Horodyskyj L. Semken S. Lopatto D. Anbar A. D.
Gauging Students' Attitudes Towards Science to Improve Science Pedagogy **[#3690]**
We are validating a survey to be used in online, introductory science courses to help improve students' understanding of science and to improve their learning.

Butler J. Baxter B. K.
Great Salt Lake Institute: Halophiles for Teachers, Students, and the Community **[#3740]**
Halophiles are a valuable and integral research and outreach model at Westminster College's Great Salt Lake Institute (GSLI).

Alba W. L.
The Role of METI in Contemporary Public and Liberal Arts Education **[#3696]**
Messaging with Extraterrestrial Intelligence (METI) provides an opportunity to engage the public on many other contemporary scientific and social issues.

Hwong Y. L. Oliver C. A. Van Kranendonk M. J.
Keep it Real and Visual: Dissecting Social Media Engagement and Its Potential to Influence Trust in Space Science **[#3006]**
This paper takes a machine learning approach to study the processes and impact of space science-related social media communications.

DeVito C. L.
Science for Politically Active Seniors **[#3154]**
A class in the search for extra-terrestrial intelligence can be used to improve the understanding of science among senior citizens.

Persson E. Capova K. A. Li Y.
Students Attitudes to Astrobiology. Attitudes Towards Scientific Search for Extra-Terrestrial Life Among Swedish High School and University Students **[#3156]**
The paper presents a research into the attitudes towards the scientific search for extra-terrestrial life among high school and university students in Sweden.

Tasker E. Tan J. Heng K. Kane S. Spiegel D.
We Need to Change How We Discuss Exoplanet Metrics **[#3202]**
Metrics to prioritize exoplanets for future observations are frequently misinterpreted as the ability to assess habitability. This is dangerous for the field.

Cabezas P. Walter N. Rettberg P. Bohmeier M. Rabbow E. Beblo-Vranesevic K. Perras A. Schwendner P. Moissl-Eichinger C. Vannier P. Marteinsson V. Monaghan E. Ehrenfreund P. Garcia-Descalzo L. Gomez F. Malki M. Amils R. Gaboyer F. Westall F. Cockell C.
Dissemination and Communication Activities for Mars Analogues Research — The European MASE Project **[#3236]**
The MASE project is actively involved in communicating Mars analogues research to the scientific community, general public, industry, and policy stakeholders.