Tuesday, March 20, 2018 **[T336]**
POSTER SESSION I: TOPICS IN STEM EDUCATION
6:00 p.m. Town Center Exhibit Area

Bresky C. E. Fries M. ***POSTER LOCATION #547***
The Aquarius Project: The First Student-Driven Attempt to Retrieve Meteorites from Underwater **[#3004]**
On February 6, 2017 meteorite fell into Lake Michigan. Teens and scientists across Chicago are teaming up to go look for it. A hunt like this has never happened.

Pon S. Enriquez F. Terrazas S. Olgin J. G. ***POSTER LOCATION #548***
Continuing Mentorship of Underrepresented Students in Planetary Science Through the Educational Internship in Physical Sciences (EIPS) **[#1562]**
Undergraduate internship geared for education/public outreach. Interns gain teaching and research skills in the process.

Budney C. J. Lowes L. L. Mitchell K. L. Wessen A. S. ***POSTER LOCATION #549***
Leadership Contributions to Planetary Exploration and Aerospace: NASA Planetary Science Summer Seminar Mission Studies and Alumni 1999–2017 **[#2736]**
Impacts of NASA's Planetary Science Summer Seminar include leadership positions of alumni and point designs for mission concepts and instrument selection.

Teodoro L. D. Ishii H. A. Bradley J. P. Kaluna H. M. Taylor G. J. et al. ***POSTER LOCATION #550***
A Pathway to Planetary Science in the Pacific **[#2359]**
Getting a Pacific Island student hooked on planetary science required exposure, opportunities, a mentoring community and financial support.

Rathbun J. A. Diniega S. Quick L. C. Grinspoon D. H.
Hörst S. M. et al. ***POSTER LOCATION #551***
The Planetary Science Workforce: Who Is Missing? **[#2668]**
Absence of voices / Lost paths, lost thoughts, lost ideas / Who we are missing?

Salvatore M. R. Barlow N. G. Edwards C. S. Koerner D.
Loeffler M. J. et al. ***POSTER LOCATION #552***
New Planetary Science Opportunities in the Department of Physics and Astronomy at Northern Arizona University **[#2253]**
NAU's new Ph.D. program in Astronomy and Planetary Science is expanding, creating new opportunities for students, postdocs, visiting scientists, and faculty.

Williams A. C. Schmidt M. E. Amad F. Bork P. L. ***POSTER LOCATION #553***
In the Eyes of a Rover: An Educational Game Exploring Ubehebe Craters, Death Valley, California for iOS **[#2370]**
An interactive game designed for secondary school students to explore Earth Science concepts, to solve a geologic problem, relevant to planetary exploration.

Vizi P. G. Sipos A. ***POSTER LOCATION #554***
Simulated Mars Rover Model Competition — Dozen and Plus One March on Mars **[#2191]**
Report about the Simulated Mars Rover Competition events: 2017, build spherical robots to pass gates; 2018, build robotic arm rovers to pass Mars obstacle course.

Haynes E. L. Farrand W. H. Callas J. L. Estrella S. J. Ross M. J. ***POSTER LOCATION #555***
Authentic Science and Engineering Practices Through the Mars Exploration Rover Imaging Project **[#1677]**
"MaRTIAn" (Mars Rover Teams Imaging and Analysis) program engages high school students in authentic science and engineering practices with NASA/JPL.

Runyon C. Hurd D. Hall C. Minafra J. Quinn K. ***POSTER LOCATION #556***
Getting a Feel for Other Worlds **[#1735]**
NASA has been collecting and returning exciting images of distant worlds. How might these images be as powerful for the blind as they are for you?

Urquhart M. L. ***POSTER LOCATION #557***
Exploring Exoplanets with K–12 Teachers and Students **[#2737]**
For exoplanets / Teachers, students can explore / Models and much more!

Barlow N. G. Clark J. G. ***POSTER LOCATION #558***
Planetary Science Curricular and Professional Development Materials for Out-of-School-Time Educators **[#1700]**
Subject matter, curriculum, and professional development experts are working together to develop planetary science-themed OST curricular materials.

Gibson E. K. Tindle A. G. Schwenzer S. P. Kelley S. P.
Morgan G. H. et al. ***POSTER LOCATION #559***
The Apollo Virtual Microscope Collection: Lunar Mineralogy and Petrology of Apollo 11, 12, 14, 15, and 16 Rocks **[#1087]**
The Virtual Microscope project is making all Apollo thin sections available for viewing on your Mac/PC/tablet/smartphone.

Bérczi Sz. Kubovics I. Vizi P. G. Ságodi I. Józsa S. et al. ***POSTER LOCATION #560***
Planetary Science Education II: Studies of the NASA Lunar Sample Set Using the Arrangement of the Measurements in a System of Structural Hierarchy of Materials **[#2427]**
Using hierarchy levels of planetary solid materials is a strategy in system-viewing and system-teaching as it has been applied for NASA lunar sample set.

Spilker B. C. Christiansen E. H. Radebaugh J. ***POSTER LOCATION #561***
Revisions to the Online Textbook Exploring the Planets (explanet.info): Mercury and Pluto **[#2724]**
We are updating the free online planetary geology textbook titled Exploring the Planets, with a special focus on the Mercury and Pluto chapters.

Hagerty J. J. Barlow N. Grundy W. Heynssens J. Porter R. et al. ***POSTER LOCATION #562***
Northern Arizona Planetary Science Alliance (NAPSA): Year 4 Progress and Initiatives **[#1500]**
Research institutions in northern Arizona have established the Northern Arizona Planetary Science Alliance to promote research and education collaboration.

Hargitai H. I. Pitura M. ***POSTER LOCATION #563***
International Catalog of Planetary Maps 1600–2017 **[#2608]**
We have compiled a catalog of planetary maps published between 1600 and 2017 internationally, including the USA, Soviet Union/Russia, and European countries.

Lim T. L. Barbarisi I. Brumfitt J. Coia D. Metcalfe L. et al. ***POSTER LOCATION #564***
The EXOMARS 2016 Data Archive Within the PSA **[#1887]**
This presentation will describe the PSA from a user perspective and will describe current funtionality and planned improvements to be made in 2018 and 2019.

Tate C. G. Cagle N. J. Moersch J. M. Jun I. Martin A. et al. ***POSTER LOCATION #565***
A Digital Archive for Mars Science Laboratory Dynamic Albedo of Neutrons Passive Mode Results **[#1183]**
We have created a digital archive containing MSL Dynamic Albedo of Neutrons passive mode interpreted results for public access and use.