Tuesday, March 24, 2009
POSTER SESSION I: EDUCATION AND PUBLIC OUTREACH
6:30 p.m. Town Center Exhibit Area

Hsu B. C. Weir H. M. Bleacher L. V.
Using Web 2.0 to Disseminate Information About NASA's Lunar Reconnaissance Orbiter **[#2280]**
The Lunar Reconnaissance Orbiter (LRO) is NASA's first step in establishing a permanent human presence on the Moon. In order to capitalize on the excitement of the mission, the LRO team makes use of social media networking and Web 2.0 platforms.

Davidson J. Bartlett S. Carter A. Cornwall M. A. Dryer B. J. Fernandes C. D. Harrison S. K. Janmohamed I. H. S. Mason J. P. Masteika V. Morris A. K. R. Otter S. Tomkinson T. Wilkinson P. T.
The European Student Moon Orbiter and its Biological Lunar Experiment: A Unique Outreach Mission to the Moon **[#2182]**
The ESMO mission provides an ideal opportunity to increase public awareness of lunar missions and to train the current generation of space/planetary science students whilst also conducting novel science via the BioLEx scientific payload.

Terazono J. Tanaka S. Sakamoto S. Watanabe J. Wakabayashi N.
Ten Years in Lunar and Planetary Exploration Outreach: "The Moon Station" Challenge **[#1231]**
This presentation summarizes the website for public outreach on Japanese lunar and planetary exploration. We will address the status, lessons and future prospects based on our ten years' web operation.

Runyon C. Shipp S. Tuthill G. Garver K.
What's New with the Moon Mineralogy Mapper/Chandrayaan-1 E/PO Program? **[#1725]**
The Moon Mineralogy Mapper (M3) team is actively engaged in E/PO activities that provide educators with exposure to lunar geology and experience with spectroscopy as a means of exploring and understanding the composition of the lunar surface.

Bérczi Sz. Gucsik A. Hargitai H. Józsa S. Kereszturi A. Nagy Sz. Szakmány J.
Concise Atlas of the Solar System (11): Petrographic Textures and Evolutionary Processes from the Chondritic Parent Bodies, Moon and Mars **[#1718]**
The 11th atlas of the Solar System helps students in a systematic approach to petrographic textures of planetary materials of processes on asteroids, Moon and Mars, arranged in their igneous units of their geological settings in the parent body.

Boros-Olah M. Hargitai H. Hirsch T. Kereszuti A. Muhi A. Tepliczky I.
HungaroMars2008: Analog Research in the Education of Planetary Sceince **[#1492]**
Between 13–26 of April 2008 a Hungarian crew worked at Mars Desert Research Station. The planetary science related educational aspects are summarized from the meteorolgical station, Husar-2D autonomous rover, geologic and geomorphologic analysis.

Gulick V. C. Deardorff G. Davatzes A. E. K. Kanefsky B.
Education and Public Outreach With the Mars Reconnaissance Orbiter's High-Resolution Imaging Science Experiment: A Virtual Science Team Experience **[#2354]**
Looking back over one Mars year, we report on the accomplishments of the HiRISE EPO program during the primary science phase of MRO.

Grigsby B. Capages C. Christensen P. R. Murchie S. Turney D. Beisser K. Seelos F. Seelos K. Harvel C. Barnouin-Jha O. Patterson W. McGovern A. Buczkowski D. Malaret E. Hash C. Ehlmann B. Roach L.
Involving Students in Authentic Research: First Year Results from the Mars Exploration Student Data Teams Project **[#2185]**
The Mars Exploration Student Data Teams (MESDT) program, created by Arizona State University's Mars Education Program, focuses on immersing teams of high school students in an authentic research Science, Technology, Engineering and Mathematics (STEM) based experience.

Bitter C. Buxner S. R.
Martian Multimedia: The Agony and Ecstasy of Communicating Real-Time, Authentic Science During the Phoenix Mars Mission **[#2172]**
The Phoenix Mars Mission faced robust communication challenges requiring real-time solutions. Managing the message from Mars and ensuring the highest quality of science data and news releases were our top priorities during mission surface operations.

Hines R. Stopar J. Taylor W. Minitti M. E. Wadhwa M.
Enhancing and Expanding Educational Outreach Programs at the Center for Meteorite Studies, Arizona State University **[#1875]**
New outreach and education programs are being developed at ASU's Center for Meteorite Studies, in conjunction with an improved and expanded web presence, to impact a broader local and international audience of students, educators, scientists and interested individuals.

Kolb K. J. Keller J. M. Novodvorsky I.
Investigating Alternative Conceptions about Water on Mars Held by Middle School Science Teachers **[#2143]**
We report on alternative conceptions about water on Mars that are held by middle school science teachers in AZ and CA.

Urquhart M. L.
Designing Standards-driven Space Science Educational Outreach for Formal Education **[#2408]**
Space science is an exciting topic for many students, but research is rarely on the specific topics typically found in K–12 standards. This paper discusses the importance of standards-based approaches to outreach intended for formal education.

Bleamaster L. F. III Crown D. A. Canizo T. L. Lebofsky L. A.
Planets are Places Too: Professional Development Workshops for K–8 Teachers **[#1695]**
The Planetary Science Institute, in partnership with the Tucson Regional Science Center, is offering a series of professional development workshops targeting elementary and middle school teachers within the Tucson, Arizona region.

Kadel S. D. Williams D. A.
Carrying the Fire: Classroom and Field-based Teacher Training Using a Newly Institutionalized E/PO Product **[#2448]**
The Worlds of Fire E/PO is institutionalized as a college course, GLG231AA Special Topics in Geology: Volcanoes of Northern Arizona, providing a classroom overview of volcanism on Earth and Io and a field excursion to volcanoes around Flagstaff, AZ.

Hegyi S. Göcze Z. Hegyi A. Kovács P. Baksa L. Bérczi Sz.
Field Trip Tasks and Simulations with Husar-2 Rover at the Mars Analog Desert Station, Utah, USA **[#1163]**
Husar-2d rover was used by Hungarian Crew No. 71 at MDRS, Utah, USA, 2008 April in surface activities in their high relief movements with high car-chassis, material collecting plate, geological, geographical, chemical mesurements.

Boice D. C. Asbell H. E. Reiff P. H.
Engaging Students in Research — Young Engineers and Scientists (YES) **[#1507]**
Young Engineers and Scientists (YES) is a community partnership between SwRI and local high schools in San Antonio, Texas. It provides high school students a bridge between classroom instruction and real world, research experiences in science and engineering.

McCoy T. J. Baldwin D. W. Olm W. Ironstrack G. M. Yingst R. A. Doudrick S. R.
Myaamionki: Ašiihkiwi Neehi Kiišikwi (The Place of the Miami: Earth and Sky) **[#1283]**
We report on a workshop and summer camp held within the Miami Tribe of Oklahoma to examine the overlap between science (planetary science, geology, and astronomy) and traditional ways of knowing derived from myaamia culture, including lessons learned.

Toyota T. Kasahara S. Narita N. Hirasawa T. Watanabe M. Kodera C. Homma N. Kaburagi Y. Yokoyama H.
Interdisciplinary Collaboration for Outreach by Young Scientists in a Japanese University **[#1606]**
In this paper, we introduce our activities for inter-disciplinary communication of young scientists in a Japanese university. We also report an educational activity of the astrobiology class at an elementary school in Japan.