Tuesday, March 11, 2008
POSTER SESSION I: EDUCATION AND PUBLIC OUTREACH PROGRAMS
6:30 p.m. Fitness Center

Shupla C. Shipp S. Runyon C. Treiman A. H.
Seeing the Moon: A Series of Inquiry Activities Using Light to Investigate the Moon **[#1624]**
Seeing the Moon is a set of inquiry modules created for the Moon Mineralogy Mapper instrument aboard the Chandrayaan-1 spacecraft, in which classroom students investigate light and the geologic history of the Moon.

Hines R. Taylor W. Wadhwa M.
Space Rocks! Increasing the Impact of Educational Initiatives at the Center for Meteorite Studies, Arizona State University **[#2513]**
We are seeking to enhance the impact of EPO programs in the Center for Meteorite Studies at ASU through new initiatives involving development of loanable materials and enhancement of the Center's website.

Urquhart M. L.
Using Embedded Assessments in Educational Outreach Activities to Identify and Address Naive Conceptions of Scale in the Solar System **[#1755]**
Understanding scale in the solar system is important for students in learning fundamental concepts in astronomy, planetary science, and challenges of space exploration. Embedded assessments can enhance the learning value of scale modeling activities.

Bowman C. D. D. Graff P. V.
Animated Pedagogical Agents as Virtual Scientist Mentors **[#1705]**
This abstract describes a study designed to test the efficacy of a computerized agent as a virtual scientist mentor for over 500 middle school students in the context of the Mars Student Imaging Project, a project of ASU and NASA.

Milford C. R. Dobson M. Tiso A. Kawano L. Chiu H. Rodriguez A.
Astrocamp, Linking Astronomy and Leadership in Southern California. **[#1062]**
Astrocamp, a Guided Discoveries program located in Southern California, teaches 15,000 students in grades five through nine in astronomy and science related topics. Astrocamp believes that students get excited about science through hands-on discovery.

Bowman C. D. D. Camacho J. Dorsch W. Hurd D. Meyer J. Overton J. Stocco K. Young N.
Phoenix Student Interns Program: Active Research on Mars **[#1796]**
In the Phoenix Student Interns Program, high school students and teachers from around the U.S. work with Phoenix Mars Mission scientists and engineers to do the work associated with exploration and discovery on Mars in summer 2008.

Buxner S. R. Walker C. Kolb K. J. Martin C.
Remote Sensing Mars: A Cross Cultural Project **[#2243]**
We present an ongoing collaboration between NOAO, LPL (U. of Arizona), Tucson and Chilean classrooms in which students engage in inquiry remote sensing activities using current data sets to explore martian geology and discuss future Mars exploration.

Grigsby B. Klug S. L. Valderrama Graff P. Taylor W. Capages C. Christensen P. R. Jones B. Murchie S. L. Turney D. Beisser K. Seelos F. P. Seelos K. D. Harvel C. Buczkowski D. L. Malaret E. Hash C. Ehlmann B. L. Roach L. H.
The Mars Exploration Student Data Teams: Connecting Students to Authentic Research Opportunities Utilizing Distance Learning Strategies **[#1080]**
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 STEM-based experience using distance learning methods.

Lineberger H. Fuerst S. Whisner S. Moersch J. E.
The Mars Outreach for North Carolina Students (MONS); High School Students with "Hands-On" Mars Research **[#1667]**
The Mars Outreach for North Carolina Students (MONS) combines efforts of veteran space scientists and master high school teachers. MONS allows high school students in the Durham, NC, area to do authentic research projects related to the exploration of Mars.

Magyar I. Varga T. Bérczi Sz. Hegyi S. Hudoba Gy. Almády B. Badics A. Bakonyi I. Franko M. Gyürky A. Héricz M. Ikonga R. Németh A. Pardy T. Varga T. Végh Gy.
Construction of Hunveyor-9 and Experiments with its Magnetic Carpet Observing Dust Mixtures at Eötvös High School, Tata, Hungary **[#1361]**
We report about the construction of the ninth Hungarian University Surveyor (Hunveyor-9) and its experiment with magnetic dust observation by carpet containing small discs of magnets at Tata, Eötvös József High School, Hungary.

Miller J. P. Juliano D. Davis J. W. Holmes R. E. Devore H. Raab H. Pennypacker C. R. White G. L. Gould A.
International Asteroid Search Campaign: An Educational Outreach Program in Astronomy for High Schools and Colleges **[#1090]**
The International Asteroid Search Campaign is an Internet-based program for high schools and colleges. Schools receive images, analyzed by students searching for asteroids and NEOs. Students have 71 asteroid discoveries and 1376 NEO observations.

Mason C. E. Lee P. Ennis M. E. Atwood J. W. Smith W. C.
Establishment of an Undergraduate Research Program for the NASA Haughton-Mars Project **[#2434]**
The focus of this study is to develop a funded, nationally competitive HMP undergraduate research program, which will allow undergraduates to participate in this exciting, fieldwork-based geology and planetary science research program.

Burbine T. H. Dyar M. D. Hamilton C. M.
Integrating a Planetary Science Curriculum into Geology and Astronomy Curricula **[#2274]**
This abstract discusses courses that were developed or adapted for this planetary science curriculum at a small liberals arts college to assist other institutions in developing planetary science programs.

Baguio M. GRACE Master Teachers
Amazing GRACE: NASA's Gravity Recovery and Climate Experiment **[#2482]**
NASA's Gravity Recovery and Climate Experiment (GRACE) mission provides a new satellite-based measurement of the Earth's gravity resulting in significant contributions to the understanding of the changing global environment.

Lowes L. L. Shipp S. Smith D. Dussault M. E. Lindstrom M. Hasan H. Daou D.
The International Year of Astronomy: NASA Contributions to the United States' Themes **[#2442]**
2009 International Year of Astronomy will celebrate Galileo's and astronomy's contributions to society and culture. NASA's Science Mission Directorate will contribute coordinated activities aligned to United States' IYA themes.

Bleacher L. V. Stockman S. A.
Second Life: A Venue for Informal Education and Participatory Exploration **[#1167]**
Second Life, an online 3D Multi-User Virtual Environment, is an effective venue for informal education and provides NASA the opportunity to engage the public, particularly the 18–35-year-old demographic, in its education and exploration efforts.

Allen J. S. Tobola K. W. Lowes L. L. Betrue R.
Robotic Exploration of Moon and Mars: Thematic Education Approach **[#2432]**
Robotic exploration of the Moon and Mars is a major NASA goal and will help pave the way for human exploration. Our team consolidated the robotic exploration thematic story components and associated education activities into useful education materials.

Levine A. S.
The Chesapeake Bay Impact Crater: An Educational Investigation for Students into the Planetary Impact Process and Its Environmental Consequences **[#1147]**
The Chesapeake Bay Impact Crater drilling provided a unique educational opportunity for the public, in particular students, and an ongoing educational partnership between USGS, NASA Langley and the other collaborators.