

Tuesday, March 20, 2012
OPPORTUNITIES FOR SCIENTIST PARTICIPATION
IN EDUCATION AND PUBLIC OUTREACH
1:30 p.m. Waterway Ballroom 4

Chairs: Sanlyn Buxner
Brooke Hsu

- 1:30 p.m. Shipp S. * Buxner S. Dalton H. CoBabe-Ammann E. Boonstra D. Ristvey J. Halligan E. Shupla C. Wessen A. Zimmerman-Brachman R. Igel C. Bleacher L. V. Scalice D.
[*Planetary Science Education and Public Outreach: How Scientists can get Involved!*](#) [#2771]
 NASA SMD's Planetary Science E/PO Forum supports scientists who are involved and are interested in getting involved in education and public outreach.
- 1:45 p.m. Williams S. H. *
[*Planetary Science E/PO in 2012: The Year of the Solar System, Fifty Years of Solar System Exploration, and More*](#) [#2564]
 The successful Year of the Solar System E/PO program will be followed by one themed to Fifty Years of Solar System Exploration. These programs, key astronomical events, and other factors will make 2012 a banner year for solar system programming.
- 2:00 p.m. CoBabe-Ammann E. Shipp S. S. Dalton H.
[*The Higher Education Clearinghouse for Space Sciences \(HECI\)*](#) [#1634]
 The Higher Education Clearinghouse (HECI) is a searchable database of undergraduate classroom materials for faculty teaching planetary sciences and solar and space physics at both the introductory and upper division levels.
- 2:15 p.m. Benfield M. P. J. * Turner M. W. Farrington P. A. Mitchell B. K.
[*Developing Partnerships for an Undergraduate Design Program on Planetary Science Mission Concept Development*](#) [#1657]
 Innovative undergraduate educational experience.
- 2:30 p.m. Klug Boonstra S. L. * Christensen P. R.
[*Engaging Scientists from the Top Down \(Practicing Scientists\) and Bottom Up \(Graduate and Undergraduate Science Students\): Creating a Rich Culture of STEM Learning to Benefit Multiple Stakeholders in the Middle*](#) [#2445]
 Learn some keys for successfully engaging scientists to be more effective in working with educational audiences. Find out some of the success stories that have changed both the scientist and educator in surprising ways.
- 2:45 p.m. *Discussion led by Brooke Hsu*
- 3:15 p.m. Smith H. Coe L. Reyes M. McKay C. Rask J. Heldman J. Warren-Rhodes K.
[*Spaceward Bound — Training the Next Generation of Field Scientists*](#) [#2763]
 Spaceward Bound, an educational program sponsored by NASA Ames Research Center, pairs K-12 teachers, students, and graduate students with interdisciplinary field scientists to provide a hands on learning experience.
- 3:30 p.m. Graff P. V. * Stefanov W. L. Willis K. J. Runco S.
[*Bridging the Gap Between Scientists and Classrooms: Scientist Engagement in the Expedition Earth and Beyond Program*](#) [#2358]
 The Expedition Earth and Beyond Program bridges the gap between scientists and classrooms. Scientists work with students as mentors, participate in student presentations, and interact with students through distance learning events.

- 3:45 p.m. Buxner S. *
[*Engaging Scientists in Meaningful Education and Public Outreach Partnerships: Examples from the Planetary Science Institute*](#) [#2876]
Successful education and public outreach (E/PO) programs require collaboration with professional scientists. This presentation highlights a portfolio of E/PO activities at the Planetary Science Institute that effectively engage scientists.
- 4:00 p.m. Cohen J. P. * Ding W. Sable J. Li R. Stepinski T.
[*Mars Weekend: A Panel and Games at the Museum of Science Boston*](#) [#1023]
This ongoing outreach project uniquely combines the data, systems, and resources of four existing NASA-funded research projects: MER Participating Scientist project, ExoMars PanCam project, AISR Crater Detection project, and lunar mapping.
- 4:15 p.m. Cobabe-Ammann E. * [INVITED]
Navigating SMD EPO: A Practical Guide to SMD EPO Funding Opportunities
- 4:30 p.m. *Discussion led by Sanlyn Buxner*