

Tuesday, March 8, 2011

**EDUCATION AND PUBLIC OUTREACH: APPLYING WHAT WE KNOW
TO TEACHER PROFESSIONAL DEVELOPMENT AND CITIZEN SCIENCE**

1:30 p.m. Montgomery Ballroom

**Chairs: Brooke Hsu
Stephanie Shipp**

- 1:30 p.m. Shupla C. * Shipp S. Allen J. Tobola K.
[Lessons Learned: Best Practices in Educator Workshops](#) [#2828]
In this presentation, we will share tidbits from the wealth of education research on best practices in professional development, integrated with the lessons we have learned from our own experiences.
- 1:45 p.m. Croft S. K. * Baldrige A. M. Bleamaster L. F. Buxner S. R. Cañizo T. L. Chuang F. C. Crown D. A. Kortenkamp S. J. Lebofsky L. A. Pierazzo E. Yingst R. A.
[Training the Teachers: Workshops in Science Education and Resources \(Project WISER\)](#) [#2661]
A coordinated series of professional development workshops in Earth and planetary science for grade- and middle-school teachers is being developed at the PSI, with supporting instructional rock kits, scientific visualizations, and interactive web-based tools.
- 2:00 p.m. Jones A. J. P. * Hsu B. C. Bleacher L. V.
[Designing, Implementing, and Evaluating Thematic, Inquiry-Based, Standards-Aligned Professional Development Experiences for Educators Through NASA Mission Education and Public Outreach](#) [#1812]
The lunar workshop series led by the LRO EPO Team is a successful, effective model of a scientific professional development experience that can serve as an example to professional development providers when planning and implementing science workshops.
- 2:15 p.m. Tobola K. * Allen J.
[Thematic Design: My Story is Better When Your Story is Better](#) [#2834]
What does a well-designed thematic workshop look like? This is an attempt to describe the thematic approach to space science education that has been demonstrated in solar system exploration education forum workshops.
- 2:30 p.m. DISCUSSION led by Stephanie Shipp
- 3:00 p.m. Gay P. L. * Cormier S. Brown S. Huang D. Prather E. Brissenden G. Daus C. Moon Zoo Team
[Moon Zoo: Engaging the Public in Geomorphology, Learning, and Community](#) [#1701]
Since there is no option in the current form to indicate if an E/PO abstract is for the newly established oral session or the poster session; I am indicating in the comments field that this submission is for an oral session.
- 3:15 p.m. Cormier S. * Prather E. E. Brissenden G. Lintott C. Gay P. Raddick J.
[Assessment of the Effect of Participation in the Moon Zoo Citizen Science Project on Content Knowledge](#) [#2295]
The Moon Zoo project affords volunteers the opportunity to contribute to scientific research in a meaningful way by interacting with actual scientific data. We created a survey to measure the impact that participation in Moon Zoo has on user conceptual knowledge.

- 3:30 p.m. Day B. H. * Mitchell B. K.
[NASA Mission Applications of Citizen Science](#) [#2472]
We examine citizen science programs implemented by a number of past and current missions. We discuss successes and challenges associated with these programs and how the lessons learned can be applied to future missions.
- 3:45 p.m. Jones J. H. * Wessen A. S. Pappalardo R. Vance S. Dyches P. Beisser K. Perry J.
[Jupiter Observation Campaign: Citizen Science at the Outer Planets](#) [#2213]
How can NASA Outreach help the citizen scientist? NASA Solar System Education and Public Outreach (EPO) may coordinate and disseminate a consistent process for receiving Jupiter and other outer planet observation data from citizen scientists.
- 4:00 p.m. Hsu B. C. * Bleacher L. V. Daou D. Day B. Jones A. Shaner A. Shipp S.
[International Observe the Moon Night: A Successful Means for Sharing Lunar Science with an International Audience](#) [#1193]
There is global support for International Observe the Moon Night, as evidenced by the number of events in 2010, which represents an untapped potential for infusing lunar science into an event that has already reached hundreds of thousands of people.
- 4:15 p.m. DISCUSSION led by Brooke Hsu