

Tuesday, March 22, 2016

[T311]

**POSTER SESSION I: ENGAGING THE STEM PIPELINE  
IN MISSION AND INSTRUMENT DESIGN  
6:00 p.m. Town Center Exhibit Area**

Bleacher L. V. Lakew B. Guzewich S. Bracken J. Brown T. et al. **POSTER LOCATION #194**  
[NASA Goddard's Planetary Science Winter School: Training Goddard's Early Career Planetary Scientists in Flight Instrument Design Through Experiential Learning](#) [#2069]

GSFC's early career planetary scientists learn the flight instrument lifecycle by designing an instrument under consideration for proposal and development.

Budney C. J. Lowes L. L. Mitchell K. L. Sohus A. M. Wessen A. S. **POSTER LOCATION #195**  
[Career and Workforce Impacts of the NASA Planetary Science Summer School: Team X Model 1999-2015](#) [#1208]

We present the PSSS authentic learning strategy for planetary mission concept development, participant profiles, and alumni career impact/employment status.

Gamblin R. B. Bering E. A. III Canales D.  
Nowling M. Ehteshami A. et al. **POSTER LOCATION #196**  
[Student Organized Research via High-Altitude Balloon Investigations: Undergraduate Student Instrumentation Project](#) [#3014]

The Undergraduate Student Instrumentation Project is an inclusive platform of undergraduate research.

Smith H. D. Sloan K. Duncan A. G. Robertson D. Anderson A. **POSTER LOCATION #197**  
[The University Rover Challenge: An International Rover Competition Under Simulated Mars Operational Conditions](#) [#3066]

For the University Rover Challenge, undergraduate teams design and build the next generation of rovers to compete in science and engineering tasks.

Jones A. J. P. Heldmann J. L. Sheely T. Karlin J. Johnson S. et al. **POSTER LOCATION #198**  
[FINESSE Spaceward Bound — Teacher Engagement in NASA Science and Exploration Field Research](#) [#2295]

Teachers in the field / Experience science here / Bring back to students.

Sipos A. Vizi P. G. **POSTER LOCATION #199**  
[10 Years of the Simulated Mars Rover Model Competition](#) [#2098]

10 Years of the Simulated Mars Rover Model Competition: Report about the success, organization, and management of the competition events from 2006 to 2015.

Bering E. A. III Slagle E. M. Nieser K. Carlson C. Kapral A. J. et al. **POSTER LOCATION #200**  
[Planetary Science Missions as Vehicles for Introducing Space Science and Engineering in Grades 3-8: Mars Rover Celebration](#) [#1658]

The Mars Rover Celebration and Curriculum (MRC) for grades 3-8 are centered around an open-ended, student-led collaborative project to design a mission to Mars.