

**9<sup>th</sup> PLANETARY CRATER CONSORTIUM MEETING**  
**AUGUST 8-10, 2018**  
**SOUTHWEST RESEARCH INSTITUTE, BOULDER, CO**  
**AGENDA**

All times are Mountain Daylight Time

**Wednesday, August 8, 2018:**

8:30-8:50 AM	Welcome and Introductions	Boyce/Bottke/All
8:50-9:00 AM	History and Structure of the PCC	Boyce/Barlow
9:00-10:15 AM	PCC Business	
	Ejecta Nomenclature Subcommittee Report	Robbins
	PCC Chair and ExC Open Positions	Boyce
	Discussion of Possible Future Workshop	Boyce
	Other Business/Announcements	Boyce/All
10:15-10:30 AM	Break	
10:30-11:10 AM	The Record of NASA Funding for Studying the Geology of Planetary Impact Craters	Herrick*
11:10-11:45 AM	General Discussion of Funding	All
11:45 AM – 1:15 PM	Lunch (Optional: SWRI Pizza lunch seminar)	
1:15-1:55 PM	Verification and Validation of the FLAG Hydrocode For Impact Crater Simulations	Caldwell
1:55-2:35 PM	Multi-Purpose Impact Hazard Mitigation Mission Characteristics and Scenarios	Plesko
2:35-3:15 PM	A Potpourri of Related Crater Cataloging: From Fitting Ellipses to New Basemaps to Crater Production Functions	Robbins
3:15-3:30 PM	Break	
3:30-4:10 PM	Impact Cratering on the Small Planets Ceres and Vesta: S-C Transitions, Central Pits, and the Origin of Bright Spots	Schenk*
4:10-4:50 PM	Preliminary Investigation of Polygonal Craters on Ceres	Zeilinhofer
4:50-5:30 PM	General Discussion of W Topics	

**Thursday, August 9, 2018:**

8:30-9:10 AM	PyCDA: An Open-Source Library for Automated Crater Detection	Klear
9:10-9:50 AM	Constraints on the Timing of Tectonic Activity on Mercury's Large-Scale Lobate-Scarp Thrust Faults	Barlow
9:50-10:05 AM	Break	
10:05-10:45 AM	What Really Happened to Earth's Older Craters?	Bottke
10:45-11:25 AM	Using Thermal Inertia to Understand the Formation Processes of Layered Ejecta Craters	Hoover
11:25 AM – 1:00 PM	Lunch	
1:00-1:40 PM	Type 1 Ejecta Craters on Mars: Not Restricted to	

1:40-2:20 PM	Just the Double Layer Ejecta Morphology Late Stage Flow of Ejecta Across the Boundary Between Ejecta Layers of Martian Double Layered Ejecta Craters: Implications, and Post-Emplacement Volume Loss from Martian Layered Ejecta	Barlow Boyce
2:20-3:00 PM	Two Vertical Gun Experiments: Central Pit Formation Models and Patterns in Layered Ejecta Deposits	Peel
3:00-3:15 PM	Break	
3:15-3:55 PM	Impact-Seismic Investigations Planned for the InSight Mission	Daubar*
3:55-4:35 PM	Young Crater Clusters on Mars	Banks*
4:35-5:15 PM	General Discussion of Th Topics	
TBD	Optional: Group Dinner	

**Friday, August 10, 2018**

8:30-9:10 AM	Toward a New Crater Chronology for the Galilean Satellites	Marchi
9:10-9:50 AM	The Shallow SFD Slope of Smaller (D<10 km) Impact Craters on Pluto and Charon: Implications for Impactor Populations and Terrain Ages	Singer
9:50-10:30 AM	General Discussion of All Science Topics Presented	All
10:30-10:45 AM	Break	
10:45 AM – 12 noon	PCC Business Crater Names Subcommittee Report Election of PCC Chair and ExC Member Dates and Location of 2019 PCC Meeting Proposals for Future Non-Flagstaff Meetings Other Business/Discussion	Watters* Boyce Barlow Barlow All
12 noon	Adjourn	

\* Presentation via Adobe Connect

Adobe Connect Instructions:

- The URL is: <https://connect.arc.nasa.gov/pcc/>
- Telecon line: (844) 467-4685
- Passcode: 65094035#
- Participants can join as a "Guest" and enter their name.

If you have trouble connecting, please contact Stuart Robbins ([stuart@boulder.swri.edu](mailto:stuart@boulder.swri.edu)) for assistance.