

**7<sup>TH</sup> PLANETARY CRATER CONSORTIUM MEETING**  
**AUGUST 17-19, 2016**  
**LINCOLN FIELD BUILDING ROOM 209**  
**BROWN UNIVERSITY, PROVIDENCE, RI**  
**AGENDA**

**Wednesday, August 17, 2016:**

8:30-8:55 AM	Welcome and Introductions	Head/Kirchoff
8:55-9:10 AM	History and Structure of the PCC	Barlow
9:10-9:45 AM	PCC Business Nomenclature Committee Report Special MAPS issue Proposal for two new Subcommittees Other Business	Watters Robbins Head All
9:45-10:00 AM	Break	
10:00-10:35 AM	Utilizing Spatial Statistics in Crater Studies	Riggs
10:35-11:35 AM	Revised Recommended Methods for Analyzing Crater Statistics	Robbins
11:35-12 noon	General Discussion on Crater Stats Recommendations	All
12 noon – 1:30 PM	Lunch	
1:30-2:15 PM	Optional: Tour of Immersive Virtual Reality Facility Too Hot, Too Cold, or Just Right: The Importance of Target Temperature and Other Factors on Impact Basin Formation Investigated using iSALE Hydrocode	Head
2:15-3:00 PM	The Formation of the Orientale Multi-Ring Basin: A Case Study of iSALE Modeling	Potter
3:00-3:15 PM	Break	Johnson
3:15-3:50 PM	Did the Orientale Impact Melt Sheet Undergo Large-Scale Igneous Differentiation by Crystal Settling?	Cassanelli
3:50-4:25 PM	Secondary Craters of the Orientale Basin	Guo
4:25-5:00 PM	The Secondary Impact Spike on Phobos from Stickney Crater Ejecta	Ramsley
5:00-5:30 PM	General Discussion on W PM Topics	All
6:00 PM	Dinner at Home of Jim Head and Anne Cote	

**Thursday, August 18, 2016**

8:00-9:00 AM	Mars Climate History: A Cratering Perspective	Head
9:00-9:35 AM	Impact Cratering as a Modification Process in the Noachian History of Mars: Major Processes and Weaknesses	
9:35-10:10 AM	Melting of Surface Ice Deposits on Mars by Hot Impact Ejecta	Horan
10:10-10:25 AM	Break	Weiss
10:25-11:00 AM	Lyot Crater on Mars: The Role of Snow and Ice in the Formation, Ejecta, Emplacement and Modification of a	

11:00-11:35 AM	Major Amazonian-Aged Impact Probing Glaciers on Mars: Constraints on the Physical Properties of Supraglacial Debris from Impact Craters and Radar Sounding Data	Head Baker
11:35 AM-12 noon	General Discussion of Th AM Topics	All
12 noon-1:30 PM	Lunch	
1:30-2:05 PM	Optional: Tour of Immersive Virtual Reality Facility Visible and Thermophysical Characteristics of the Best-Preserved Martian Craters, Part 1: Detailed Morphological Mapping of Resen and Noord	Tornabene
2:05-2:40 PM	Visible and Thermophysical Characteristics of the Best-Preserved Martian Craters, Part 2: Thermophysical Mapping of Resen and Noord	Piatek
2:40-3:15 PM	Decameter-Scale Impact-Related Aeolian Features Surrounding Well-Preserved Impact Craters on Mars	Watters
3:15-3:30 PM	Break	
3:30-4:05 PM	Degradation Rate of Small Craters in Lunar Highlands	Kreslavsky
4:05-4:35 PM	Toreva-Like Blocks Formed in the Inner Ejecta Layer of Martian Type-1 Double Layer Ejecta Craters: Implications	Barlow
4:35-5:05 PM	Discovery of Layered Ejecta Craters on Charon and Implications for Formation	Robbins
5:05-5:30 PM	Discussion on Th PM Topics	All
5:30-6:30 PM	Beer and Chips Reception (Lincoln 105)	

### **Friday, August 19, 2016**

8:00-8:35 PM	Insights into the Formation of Central Pit Craters	Barlow
8:35-9:10 AM	Ice Deposits at Mercury's North Polar Region: Host Craters Provide Maximum Age	Deutsch
9:10-9:45 AM	The Span of Lunar Mare Volcanic Activity: Assessing the Very Young Impact Crater Size-Frequency Distribution	
	Ages of Irregular Mare Patches	Qiao
9:45-10:00 AM	Break	
10:00-11:30 AM	Discussion Crater Statistics General Discussion	Robbins/All
11:30-12 noon	PCC Business Election of new EC member (3 year term) Dates of 2017 PCC Meeting in Flagstaff Ideas for Enhancing Participation in PCC Other topics	All Kirchoff
12:00 noon	Adjourn	