Wednesday, May 20, 2015
BIG BURIED BASINS
10:05 a.m. E200 Auditorium

Chairs: **Caleb Fassett**
Paul Schenk

10:05 a.m. Frey H. V. *
Seeing the Invisible: A History and Perspective on Searching for Buried Impact Craters **[#9033]**
Topographic and crustal thickness data provide evidence for buried impact craters on Mars and the Moon that cannot be easily "seen" in image data. We summarize efforts to detect such features along with difficulties and advantages of such studies.

10:30 a.m. Povilaitis R. Z. * Robinson M. S. Ostrach L. R. Hiesinger H. van der Bogert C. H.
Comparison of Large and Mid-Size Lunar Crater Distributions **[#9016]**
Our work seeks to provide a better understanding of differences in lunar areal crater densities as a function of diameter (5–20 km vs. >20 km) likely caused by complex a bombardment history and resurfacing events.

10:55 a.m. Evans A. J. * Soderblom J. M. Solomon S. C. Zuber M. T.
A Re-Examination of the Relative Ages of Mare-Filled Impact Basins on the Lunar Nearside from the Gravity Signatures of Buried Craters **[#9052]**
GRAIL gravity data have revealed more than 100 putative buried impact craters beneath the nearside maria. We use this population of buried craters to re-assess basin chronology and the impact crater density of the lunar nearside.

11:20 a.m. DISCUSSION