IMPACT CRATERS ON MARS AND THE MOON
3:15 p.m.   Waterway Ballroom 6

Chairs: Maria Banks
Nadine Barlow

3:15 p.m. Williams J.-P. *  Paige D. A.  Jögi P.
Impact Melt Deposits at the Antipodes of Tycho and Copernicus Craters [#2738]
Impact melt-like deposits are identified at the antipodes of Tycho and Copernicus craters. Crater counts indicate the deposits have similar ages as the craters.

3:30 p.m. Gregg T. K. P.
Large (>1 km) Rayed Craters in Hesperia Planum, Mars: What’s the Ejecta Trying to Say? [#2442]
A preliminary search for rayed impact craters was conducted within Hesperia Planum, Mars, to help constrain the rate at which crater rays disappear on Mars.

3:45 p.m. Pan L. *  Ehmann B. L.  Carter J.  Ernst C. M.
Probing Mars’ Northern Plains Stratigraphy with Impact Craters [#2583]
We detect and map the mineral phases in large craters in the northern plains of Mars and use depth-diameter relationship to establish its geologic history.

4:00 p.m. Viola D. *  McEwen A. S.  Dundas C. M.  Byrne S.
Inferring the Subsurface Structure of Double Layer Ejecta Craters from Overlying Secondary Craters [#2096]
The relative abundance of excess ice in each ejecta layer of DLE craters can be determined from the thermokarstic expansion of overlying secondary craters.

4:15 p.m. Noe Dobrea E. Z. *  Stoker C. R.  McKay C. P.  Davila A. F.  Krčo M.
Crater Morphology in the Phoenix Landing Ellipse: Insights into Net Erosion and Ice Table Depth [#2511]
We have performed an analysis of the craters and their ejecta within the Phoenix landing ellipse.

4:30 p.m. Sarkar R. *  Singh P.  Porwal A.
Identification of Aqueous Minerals and Subsurface/Interstitial Ice Signatures from a Crater in Thaumasia, Mars [#1784]
We report aqueous minerals from an unnamed crater located in Thaumasia region and also find evidence of (active?) subsurface ice within and around the crater.

4:45 p.m. Turner S. M. R. *  Bridges J. C.  Grebby S.  Ehmann B. L.
Hydrothermal Minerals Within Impact Craters in Amazonian-Aged Terrains on Mars [#2061]
CRISM characterization of Mars Amazonian-aged impact-induced hydrothermal systems to determine the type of crater where nakhlite alterations minerals were formed.