POSTER SESSION II: CRATER COUNTING THROUGHOUT THE SOLAR SYSTEM
6:00 p.m. Town Center Exhibit Area

POSTER LOCATION #175
Gaspra’s Craters: Implications for Production Functions and Surface Processes [#2869]
Asteroid belt’s secrets/ Craters, craters, everywhere!/Gaspra, kiss and tell?

Crater Size-Frequency Distributions Accumulated on Ejecta Blankets of Fresh Primary Craters on Vesta [#2814]
We have performed extensive analyses of size-frequency distributions accumulated on ejecta blankets of 42 fresh primary craters on Vesta.

Pedrosa M. M. Pina P. Machado M. Bandeira L. Silva E. A.
Automated Crater Detection in Impact Basins on Mercury Surface [#2786]
This paper presents the automated detection of impact craters on Mercury. The detections are performed on three large basins (Rachmaninoff, Mozart, and Raditladi).

Comparison of Large and Mid-Size Lunar Crater Distributions [#2880]
Differences in lunar crater areal densities as a function of diameter (5–20 km vs. >20 km) reveal complexities of bombardment history and resurfacing events.

Meyer H. M. Hawke B. R. Giguere T. A. Robinson M. S.
Lunar Light Plains and Cryptomaria Southwest of Orientale [#1692]
The distribution, morphology, and composition of light plains surrounding the Orientale basin suggest that they are genetically linked to the basin itself.

Excavation Depths of Small Diameter Craters on a Pyroclastic Deposit Near Northern Rimae Bode, the Moon [#2386]
Studying the mapped distribution of lunar pyroclastic deposits, possible source vents, and craters to analyze the extent and volume of pyroclastic deposits.

Pathare A. V. Williams J.-P.
Regional Investigations of the Effects of Secondaries Upon the Martian Cratering Record [#2630]
We present isochronal incongruities associated with the lack of “contamination” by martian secondary craters, which we will investigate with regional analyses.

Chuang F. C. Crown D. A. Tornabene L. L.
Secondary Craters Associated with the Rayed Crater Zumba, Daedalia Planum, Mars [#2488]
We present results on the mapping of Zumba secondary craters to investigate their distribution and density as a function of distance from the impact site.

Lagain A. Bouley S. Costard F.
Datation of Multiple-Layer Ejecta Crater on Mars [#1920]
We present a comparative study between a martian lobate crater map and ages obtained on each unit to establish a methodology to date this type of crater.
Zeilhofer M. F.  Barlow N. G.  

**Distribution and Timing of Fluvial and Glacial Activity in South-Central Arabia Terra, Mars** [#1022]

Arabia Terra, an ancient martian terrain, is a unique region due to crater morphologies that show interaction with volatiles.

Boyce J. M.  Mouginis-Mark P.  Wilson L.  

**Flow Features on Martian Layered Ejecta** [#1043]

Morphometric parameters of flow features on martian layered ejecta deposits reveal the difference between types of ejecta and similarities with geophysical flows.