Tuesday, March 19, 2013 **[T611]**
POSTER SESSION: IMPACT CRATERS ON VESTA, LARGE AND SMALL
6:00 p.m. Town Center Exhibit Area

Schenk P. M. Vincent J.-B. Marchi S. O'Brien D. P. Gaskell R. et al. ***POSTER LOCATION #123***
Impact Crater Morphologies on Vesta in Solar System Context **[#2039]**
We look at vestan craters with planetary eyes: Why don't they fit?

Krohn K. Jaumann R. Elbeshausen D. Kneissl T. Wagner R. et al. ***POSTER LOCATION #124***
Bimodal Craters on Vesta: Impacts on Slopes Studied by Geological Investigations **[#1949]**
Geological investigations of bimodal craters on Vesta.

Elbeshausen D. Krohn K. Wünnemann K. Jaumann R. Russell C. T. et al. ***POSTER LOCATION #125***
Bimodal Craters on Vesta: Impacts on Slopes Studied by Numerical Simulations **[#1903]**
A number of unusual craters have been observed on Vesta. By numerical simulations, we studied the formation of these craters in topographically rough terrain.

Carsenty U. Wagner R. J. Boczkowski D. L. Denevi B. W. Hviid S. F. et al. ***POSTER LOCATION #126***
The "Swarm" — A Peculiar Crater Chain on Vesta **[#1492]**
The Swarm is a unique crater chain on Vesta. It is an elongated concentration of small craters and is located in the Pinaria quadrangle.

Scully J. E. C. Russell C. T. Yin A. Jaumann R. McSween H. Y. et al. ***POSTER LOCATION #127***
Gullies on Vesta, Related Geologic Features and Possible Formation Mechanisms **[#1578]**
Gullies in craters are classified as type L (linear) and type C (curvilinear). Possible formation mechanisms, including dry and fluid flow, are investigated.

Williams D. A. O'Brien D. P. Schenk P. M. Denevi B. W. Carsenty U. et al. ***POSTER LOCATION #128***
Impact-Related Flow Features on Asteroid Vesta **[#1611]**
This presentation discusses lobate, flow-like features on Vesta, which we suggest were produced by impact and gradational processes, not volcanism.

Kneissl T. Schmedemann N. Walter S. Williams D. Garry W. B. et al. ***POSTER LOCATION #129***
Prominent Impact Craters in the AV-13 Quadrangle Tuccia on Vesta — Morphology, Degradation, and Ages of Tuccia, Eusebia, Vibidia, Galeria, and Antonia **[#1078]**
We investigated prominent impact features in the mapping quadrangle Av-13 Tuccia, as this quadrangle offers a rich variety of different crater morphologies.

Daly R. T. Schultz P. H. ***POSTER LOCATION #130***
Experimental Studies into the Survival and State of the Projectile **[#2240]**
Experiments at the NASA AVGR determine how much of the projectile survives impact and reveal differences in survival for porous silicate and porous icy targets.

Schmedemann N. Kneissl T. Ivanov B. A. Michael G. G. Neukum G. et al. ***POSTER LOCATION #131***
Lunar-Like Chronology for Vesta — Crater Retention Ages Matching Independent Ar-Ar HED Ages **[#2155]**
We derived a lunar-like chronology for Vesta. Application to measured crater frequencies result in agreement with three peaks of HED Ar-Ar ages within the error.

Ivanov B. A. Kamyshenkov D. ***POSTER LOCATION #132***
Vesta Impact Craters: Rheasilvia over Veneneia **[#1924]**
Two-dimensional numerical modeling is aimed to analyze consequences of Rheasilvia crater formation over the older Veneneia crater and connection Vesta family mineralogy.

Otto K. A. Jaumann R. Krohn K. Matz K.-D. Preusker F. et al. ***POSTER LOCATION #133***
Is the Coriolis Force Responsible for Curved Features on Vesta? **[#1955]**
We investigated the curved features associated with Vesta's south polar basin Rheasilvia to analyse the contribution of the Coriolis force.

Hiesinger H. Ruesch O. Blewett D. T. Buczkowski D. L. Scully J. E. C. et al. ***POSTER LOCATION #134***
Geologic Map of the Northern Hemisphere of Vesta Based on Dawn FC Images **[#2582]**
We present a new geologic map of the northern hemisphere (>21°) of Vesta based on images of the Dawn mission.