

Thursday, March 24, 2016
POSTER SESSION II: SURFACES OF ICY SATELLITES
6:00 p.m. Town Center Exhibit Area

[R624]

Hibbitts C. A. Paranicas C.

POSTER LOCATION #327[Understanding the Space Weathering of the Nonice Material on Europa](#) [#2790]

The space weathering of the hydrated nonice material on Europa is likely to result in many interesting products with a potentially large number of spectral signatures.

Sori M. M. Byrne S. Bapst J. N. Becerra P. Bramson A. et al.

POSTER LOCATION #328[A Wunda-full World? Testing the Plausibility of Carbon Dioxide Frost on Umbriel](#) [#1053]

We evaluate the idea that an observed bright anomaly on Umbriel's surface is CO₂ frost, and discuss implications of our results for the other moons of Uranus.

Nelson R. M. Boryta M. D. Hapke B. W.

Manatt K. S. Nebedum A. et al.

POSTER LOCATION #329[Jupiter's Satellite Europa: Polarization Properties Explained by a Sub-Micron, Highly Porous Regolith](#) [#1686]

Europa's Regolith is very porous with void space exceeding 90%! This work is the also the first experimental proof of Helmholtz's Reciprocity Principle of 1856.

Scipioni F. Schenk P. Clark R. Tosi F. Combe J.-Ph. et al.

POSTER LOCATION #330[Spectral Analysis of Enceladus' South Pole](#) [#1574]

We will show analysis spectra returned by the spectrometer VIMS onboard the Cassini mission in the IR range of Enceladus' South Pole.