

Thursday, March 24, 2016

[R628]

## POSTER SESSION II: RINGS AROUND THE OUTER PLANETS

6:00 p.m. Town Center Exhibit Area

Esposito L. W.

*POSTER LOCATION #371*[\*The Case for Massive and Ancient Rings of Saturn\*](#) [#2364]

Ancient, massive rings are possible if we re-interpret data from Voyager, Pioneer, and Cassini.

Aye K.-M. Esposito L. W.

*POSTER LOCATION #372*[\*Searching for Structure in the Rings of Saturn\*](#) [#2974]

Image statistical analyses are used to identify locations with oscillations or particle aggregations in the rings of Saturn.

Bu C. Dukes C. Baragiola R. A.

*POSTER LOCATION #373*[\*Charging and Discharging of Amorphous Solid Water Ice: The Effects of Cracking and Implications for E-Ring Grain Surface Potential\*](#) [#2917]

We present laboratory studies of surface potentials of cracked water films during the growth and warming, with applications in the charging of E-ring grains.

Higuchi A. Ida S.

*POSTER LOCATION #374*[\*Temporary Capture of Asteroids by a Planet: Dependence of Prograde/Retrograde Capture on Asteroids' Semimajor Axes\*](#) [#1417]

We investigate the temporary capture of asteroids by a planet through analytical arguments to discuss the origins of irregular satellites.