

Thursday, March 10, 2011
POSTER SESSION II: MARTIAN PITS AND CAVES
6:00 p.m. Town Center Exhibit Area

Cushing G. E.

[*Visible Evidence of Cave-Entrance Candidates in Martian Fresh-Looking Pit Craters*](#) [#2494]

New HiRISE observations have revealed that internal characteristics of some “fresh-looking” pit craters are consistent with the presence of cave entrances. A possible formation process is discussed.

Maclennan E. M. Cushing G. E. Titus T. N.

[*Preliminary Thermal Investigation of Fresh-Looking Pit Craters \(FLPCs\)*](#) [#2539]

We determine diameters and depths of “fresh-looking” martian pit craters, then account for subpixel mixing in 100-m thermal data and determine temperature differences between surface and pit floors. These data may reveal cave-entrance locations.

Newcomer K. B. Moersch J. Cabrol N. A. Grin E. Wynne J. J. Chojnacki M.

[*Evaluation of a Proposed Technique for Identifying Martian Caves in THEMIS Infrared Images*](#) [#2739]

We present a proposed technique for identifying martian caves using THEMIS infrared images.