Tuesday, March 19, 2013 **[T619]**
POSTER SESSION: MARS THERMAL PROPERTIES
6:00 p.m. Town Center Exhibit Area

Fergason R. L. Lee E. M. Weller L. ***POSTER LOCATION #281***
THEMIS Geodetically Controlled Mosaics of Mars **[#1642]**
This work describes the accuracy and availability of geodetically controlled THEMIS daytime and nighttime IR images and resulting mosaics.

Christensen P. R. Fergason R. L. Edwards C. S. Hill J. ***POSTER LOCATION #282***
THEMIS-Derived Thermal Inertia Mosaic of Mars: Product Description and Science Results **[#2822]**
This work studies the variability of martian surface properties through the creation of a global thermal inertia map from THEMIS infrared images.

Heath S. H. Bell J. Christensen P. R. ***POSTER LOCATION #283***
High-Resolution Martian Soil Thickness Derived from THEMIS Thermal Measurements **[#2797]**
A two-layer thermal model combined with THEMIS thermal measurements to produce high-resolution maps of soil thickness on Mars' surface.

Audouard J. Poulet F. Vincendon M. Bibring J. -P. Gondet B. et al. ***POSTER LOCATION #284***
Thermal Inertia and Surface Heterogeneities of Mars Inferred from OMEGA/MEX **[#1525]**
We derive apparent thermal inertia from OMEGA surface temperature data. OMEGA provides a new diurnal sampling to assess the heterogeneity of the martian surface.

Pokuri J. Bushick K. M. Viswanathan A. V. Elam J. T. Oliver A. R. et al. ***POSTER LOCATION #285***
Thermal Modeling of Gravel and Sand at Different Saturation Levels **[#2411]**
This abstract discusses the measuring and modeling of thermal inertia of typical martian sediments at various levels of saturation.

Hassan S. Hernandez-Rodriguez S. VonZabern K. Pierce J. Kantesaria K. et al. ***POSTER LOCATION #286***
Thermal Inertia of Sand at Different Levels of Water Saturation **[#2016]**
The effect of water saturation on the thermal inertia of sand and gravel is studied and compared.

Baker A. Kang R. Vilen C. Perentis R. Williamson T. J. et al. ***POSTER LOCATION #287***
Thermal Inertia of Martian Sediments at Various Levels of Saturation **[#1575]**
The effect of water saturation on the thermal inertia of a gravel sample is investigated.

Peterson C. M. Zebely Z. T. Vinegar Z. Z. Garcia V. ***POSTER LOCATION #288***
Autonomous Thermal Data Collection **[#1537]**
This is about autonomous data collection using thermal probes made with thermistors and an Arduino.