Tuesday, March 2, 2010
POSTER SESSION I: MAIN BELT: SOURCES AND SINKS
7:00 p.m. Town Center Exhibit Area

Ivanov A. B. Thomas N.
Reconstruction of a Digital Elevation Model for Phobos from HIRISE Data **[#1923]**
We report on a preliminary study to derive a digital elevation model of Phobos based on HIRISE stereo pair data.

Palomba E. D'Amore M. Zinzi A. D'Aversa E. Maturilli A. Helbert J.
Revisiting the Thermal Infrared Spectral Observations of Phobos **[#1899]**
Here we re-analyse Phobos TIR spectra taken by the TES instrument. We use a multi-planckian approach and a statistical analysis to retrieve Phobos emissivities that are compared with laboratory emissivities and TIR observations of other asteroids.

Lim L. F. Emery J. P. Moskovitz N. A.
Mid-IR Spectra of HED Meteorites and Synthetic Pyroxenes: Reststrahlen Features (9–12 µm) **[#2001]**
We discuss the 9–12 µm Reststrahlen features in the spectra of diogenites and eucrites and place them in the context of a suite of well-characterized synthetic pyroxenes (Klima et al., 2005).

Li J.-Y. Naidu S. McFadden L. A.
HST NICMOS Mapping of Asteroid 4 Vesta **[#2149]**
We took the archived HST NICMOS images to generate the reflectance maps of Vesta in the 1–2.4 µm range.

Jensen E. A. Vilas F. Sykes M. V.
Searching for Satellites of Vesta **[#2556]**
Twenty-four arcminutes of the sky around Vesta is investigated for the presence of satellites.

Reddy V. Cloutis E. A. Gaffey M. J. Galád A. Pravec P. Harris A. W. Nathues A. Sanchez J. A.
Compositional Investigation of (5404) Uemura: The Largest Fast-Rotating Monolith **[#1227]**
Rotational state of an asteroid gives insights into internal structure. Photometry of (5404) Uemura revealed it is the fastest rotating large MBA (>1 km) with a period P = 1.72 h. Here we present its compositional analysis.

Fieber-Beyer S. K. Gaffey M. J.
Near-Infrared Spectroscopy of 3:1 Kirkwood Gap Asteroids 908 Buda and 1772 Gagarin **[#1853]**
This research explores possible links between two asteroids located near the 3:1 resonance, 908 Buda and 1772 Gagarin, and potential meteorite analogs in the terrestrial collections.

Rivkin A. S. Sunshine J. M. Blewett D. T. Hurley D. M. Hibbitts C. A.
Lunar Water, Asteroidal Observations: Implications and Opportunity **[#1088]**
The discovery of lunar water/OH has implications for other inner solar system bodies. We will discuss implications of the lunar findings for asteroidal interpretations and vice versa, and suggest future work to move our general understanding forward.

Noll K. S. Benecchi S. D.
Component Sizes in Small-Body Multiples: A Clue to Formation? **[#2330]**
The pattern of component size and separation in the nine known small-body multiples may provide constraints on the modes of formation for multiples and binaries in the various small body populations.

Yoshida F. Yagi M. Komiyama Y. Nakata F. Furusawa H. Ohno T. Okamura S. Nakamura T.
Slitless Spectroscopy of Small Solar System Bodies on a Dark Cloud Curtain **[#1290]**
We performed slitless spectroscopy of small bodies with Subaru Telescope + Suprime-Cam attached grism filters using a dark cloud as a curtain for avoiding contamination from background stars. Spectra of 50 objects with R < 23 mag will be on the poster.