Sunday, May 20, 2012
PHOTOMETRY, LIGHTCURVE, OCCULTATION, AND SIZE/SHAPE OF SMALL BODIES
4:20 p.m.   Conference Room 201

Chairs: Alan Harris
Petr Pravec

4:20 p.m. Harris A. W. * Pravec P. Warner B. D.
"Looking a Gift Horse in the Mouth: Evaluation of Wide-Field Asteroid Photometric Surveys" [#6069]
Evaluation of recent wide-field photometric surveys of asteroids.

4:30 p.m. Pravec P. * Harris A. W. Kusnirak P. Galad A. Hornoch K.
"Absolute Magnitudes of Asteroids and a Revision of Asteroid Albedo Estimates from WISE Thermal Observations" [#6089]
We analysed an accuracy and biases of the Minor Planet Center (MPC) catalog absolute magnitudes by comparing them with our accurate absolute magnitude estimates. We revised the preliminary WISE albedos for asteroids in our sample.

4:40 p.m. Durech J. * Delbo M. Carry B.
"Asteroid Models Derived from Thermal Infrared Data and Optical Lightcurves" [#6118]
We will present a new general method that combines asteroid photometry in the optical with thermal IR radiometry to derive physical models of asteroids. The method includes both data types at once and optimizes all the relevant physical parameters.

4:50 p.m. Springmann A. Dalba P. Marchis F. Vachier F. Berthier J. Descamps P. Morris B.
Marciniak A. Santana i Ros T. Kryszczynska A.
"Physical and Orbital Properties of the (22) Kalliope System from Mutual Eclipse Observations" [#6352]
In February and March of 2012, binary asteroid (22) Kalliope and its satellite Linus entered a season of mutual eclipses. Analysis of lightcurves taken during eclipses allow for improvement of both the physical and orbital properties of the system.

5:00 p.m. Krugly Yu. K. Molotov I. E. Agapov V. M. Gafonyuk N. M. Inasaridze R. Ya.
Koupianov V. V. Sergeev A. V. Shevchenko V. G. Slyusarev I. G. Burkhonov O. A.
Ehgamberdiev S. A. Elenin L. V. Baransky A. R. Churyumov K. I. Minikulov N. H.
Gulyamov M. I. Abdulloev S. K. Litvinenko E. Aliev A.
"Photometry of Near-Earth Asteroids within Network ISON" [#6448]
We present the results of the photometric survey of NEAs that performed in frame of the International Scientific Optical Network. Objects of the observations includes binary objects, YORP candidates, radar targets, newly discovered NEAs.