

## **Dear Colleagues,**

we are glad to invite you to participate in the international conference THE SOLAR SYSTEM BODIES: FROM OPTICS TO GEOLOGY which will be held at the Astronomical Institute of Kharkiv V.N. Karazin National University, Kharkiv, Ukraine, on May 26-29, 2008.

The conference is organized as a part of the memorial events devoted to the 200th anniversary of astronomy science in Kharkiv and is planned to start regular meetings at the Astronomical Institute of Kharkiv V.N. Karazin National University on study of the Solar system bodies. The main rationale of the conference is to provide a deep and comprehensive insight in the selected aspects of the Solar system study bringing together observers, theorists in lightscattering and geologists involved in study Solar system bodies.

### **Organizers**

- Astronomical Institute of Kharkiv V.N. Karazin National University
- Association of Graduates, Lecturers and Friends of Kharkiv V.N. Karazin National University
- Ukrainian Astronomical Association

### **ScientificOrganizing Committee:**

- M.A. Barucci (Paris Obs., France)
- A.T. Basilevsky (Vernadsky Institute, Russia)
- I.N. Belskaya (Kharkiv Univ., Ukraine)
- E. Bowell (Lowell Obs., USA)
- A. Cellino (Torino Obs., Italy)
- A.F. Chicarro (European Space Agency, Netherlands)
- J.W. Head (Brown Univ., USA)
- N.N. Kiselev (Main Astron. Obs., Ukraine)
- A.C. Levasseur-Regourd (Univ. Paris 6, France)
- D.F. Lupishko (Kharkiv Univ., Ukraine)
- L.M. Lytvynenko (Institute of Radio Astronomy, Ukraine)
- M. I. Mishchenko (NASA Goddard Institute for Space Studies, USA)
- C. Pieters (Brown Univ. USA)
- P. Pinet (Toulouse Univ., France)

- V.V. Shevchenko (Moscow Univ., Russia)
- Yu.G. Shkuratov (Kharkiv Univ., Ukraine), chair
- G. Videen (Space Science Institute, USA)
- Ya.S. Yatskiv (Main Astron. Obs., Ukraine)

### **Local Organizing Committee:**

Yu.V. Alexandrov, I.N. Belskaya (chair), V.V. Korokhin, V.G. Kaydash, V.V. Kruglova, Yu.N. Krugly, V.A. Psarev, E.V. Shalygin, V.G. Shevchenko, N.A. Vorobjeva, A.P. Zheleznyak

### **Main topics:**

- Lunar and planetary spectroscopy, photometry and polarimetry
- Asteroids and comets: photometry and polarimetry
- Light scattering by regolith-like surfaces: laboratory and theoretical modeling
- Missions to Solar system bodies
- Near-Earth object population: statistics, evolution and impact hazard
- Geology of Mars and Venus
- Transneptunian objects and exoplanets

### **Presentations:**

We plan to have invited talks (30 minutes), oral (15 minutes) and poster presentations.  
The working language of the conference is English.

### **Important dates:**

First announcement	November 2007
Pre-Registration	December 31, 2007
Second announcement	January 2008
Deadline for abstracts	March 31, 2008
Third announcement	April 2008
Conference	May 26-29, 2008

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If you are interested to attend the conference, please fill the pre-registration form on-line or send it by e-mail SSB08@astron.kharkov.ua before December 31, 2007.