

## FIRST ANNOUNCEMENT

# **ATMOSPHERELESS SOLAR SYSTEM BODIES IN THE SPACE EXPLORATION ERA**

Institute of Astronomy and Department of Astronomy and Space Informatics of  
V.N. Karazin Kharkiv National University

**June 18-22, 2018**

Dear Colleagues,

we are glad to invite you to participate in the international conference “**ATMOSPHERELESS SOLAR SYSTEM BODIES IN THE SPACE EXPLORATION ERA**” which will be held at the Institute of Astronomy of V.N. Karazin Kharkiv National University, Kharkiv, Ukraine, on June 18-22, 2018.

The conference is devoted to the 210<sup>th</sup> anniversary of astronomy science in Kharkiv, the 100<sup>th</sup> anniversary since starting regular observations of the Moon and 40<sup>th</sup> anniversary of asteroid study in Kharkiv Astronomical Observatory. The main rationale of the conference is to provide a deep and comprehensive insight in the selected aspects of the study of atmosphereless Solar system bodies both by ground-based techniques and space missions. The conference brings together experts in various remote techniques and modeling to disseminate new ideas and the latest results of investigations of small Solar system bodies and planetary satellites.

### **Organizers**

- Institute of Astronomy and Department of Astronomy and Space Informatics of V.N. Karazin Kharkiv National University
- Ukrainian Astronomical Association

### **Scientific Organizing Committee**

I.N. Belskaya (Karazin Kharkiv University, Ukraine), chair  
M.A. Barucci (Paris Observatory, France)  
R. Binzel (Massachusetts Institute of Technology, USA)  
A. Cellino (Torino Astrophysical Observatory, Italy)  
R. Gil-Hutton (San Juan National University, Argentina)  
T. Kwiatkowski (Adam Mickiewicz University, Poland)  
D. Lazzaro (Observatorio Nacional, Brazil)  
D.F. Lupishko (Karazin Kharkiv University, Ukraine)  
K. Muinonen (Helsinki Univ., Finland)  
A. Rivkin (Johns Hopkins University, USA)  
D. Scheeres (University of Colorado, USA)  
Y.G. Shkuratov (Karazin Kharkiv University, Ukraine)  
Sungsoo Kim (Kyung Hee University, Korea Republic)  
G. Videen (Space Science Institute, USA)  
F. Yoshida (Planetary Exploration Research Center, Chiba Institute of Technology, Japan)  
Hao Zhang (China University of Geosciences, Wuhan, China)

## **Local Organizing Committee**

V. G. Kaydash (chair), V. G. Chiorny, A. A. Golubov, L.V. Gradyska, T. A. Hromakina, V.V. Korokhin, Y.N. Krugly, O. I. Mikhalchenko, A.V. Sergeev, I. G. Slyusarev, V.G. Shevchenko, M.A. Stepanyuk, S. F. Velichko, N.A. Vorobjeva

## **Main topics**

- Optics of the Moon
- Planetary regolith: observations and simulations
- Physical properties of asteroids and Transneptunian objects
- Yarkovsky and YORP effects
- Missions to small Solar system bodies

## **Important dates**

First announcement	November 15, 2017
Pre-Registration	December 31, 2017
Second announcement	February 25, 2018
Deadline for abstracts	April 15, 2018 May
Third announcement	15, 2018
Conference	June 19-22, 2018

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