

SECOND 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

<http://www.astron.kharkov.ua/conference/ssb/18/index.php>

Dear Colleagues,

this is a second announcement for the conference on “Atmosphereless Solar System Bodies in the Space Exploration Era” to bring you an update and remind of deadlines.

Deadline for abstracts	April 15, 2018
Deadline for registration	April 15, 2018
Third announcement	May 15, 2018
Conference	June 18-22, 2018

The conference is devoted to the 210th anniversary of astronomy science in Kharkiv, the 100th anniversary since starting regular observations of the Moon and 40th 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.

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

Program Outline

Mon, June 18: 16.00–20.00 registration and welcome reception.

Tue, June 19: 10.00–18.30 opening ceremony, scientific sessions.

Wed, June 20: 9.30–17.30 scientific sessions, 18.00–22.00 cultural events.

Thu, June 21: 9.30–18.00 scientific sessions, 19.00–22.00 conference dinner.

Fri, June 22: 9.30–17.30 scientific sessions, closing ceremony.

Sat, June 23: Excursions (under request), departure.

Presentations

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

Confirmed invited speakers

Antonella Barucci (France) *Small body space missions: from Rosetta to the future.*

Alberto Cellino (Italy) *The new Gaia era in Asteroid science.*

Oleksiy Golubov (Ukraine) *Dynamical evolution of asteroids due to the YORP effect.*

Frederic Merlin (France) *Chemical properties of the colourful family of TNOs.*

Hong-Kyu Moon (Korea) *DEEP-South: Round-the-clock Photometric Census of Small Solar System Bodies.*

Karri Muinonen (Finland) *Multiple scattering in planetary regoliths using incoherent interactions.*

Yurij Shkuratov (Ukraine) *Fascinating novels of lunar optics.*

Fumi Yoshida (Japan) *Overviews of the Destiny mission and the observational campaign of its flyby target (3200) Phaethon.*

Yunzhao Wu's (China) *In situ optics of the Moon: observations from the Chang'E-3 mission.*

Abstracts

Abstracts should be prepared in the form similar to that for Lunar Planetary Science Conference. You can find the abstract template at

<http://www.astron.kharkov.ua/conference/ssb/18/AbstractTemplate.doc>.

The length of an abstract is one page. Abstracts (in Word or pdf format) can be uploaded at http://www.astron.kharkov.ua/conference/ssb/18/upload_abstract.php or submitted via e-mail to ssb18@astron.kharkov.ua. The maximum file size is 2 MB. The deadline for abstract submission is April 15, 2018.

Registration

If you are going to attend the conference, please fill the registration form at <http://www.astron.kharkov.ua/conference/ssb/18/registration.php> before April 15, 2018. For those who already filled the pre-registration form there is no need to send new form.

Accommodation

You can find many offers of accommodation in Kharkiv at booking.com or other on-line reservation services. Please, try to book hotels in your earliest convenience because the hotels in the central part of city are in high demand. We recommend the following hotels nearby of the conference place:

Premier Palace Hotel Kharkiv ***** <https://kharkiv-palace.phnr.com/>

Kharkov ***** <http://hotel.kharkov.com/en/>,

Chichikov ***** <http://chichikov-hotel.com.ua/>,

Gostiny Dvor***** <https://hotel-gd.com.ua/en/>

Hotel 19***** <http://hotel19.ua/>

The hotels Kharkiv and Premier Palace are the closest hotels to the place of the conference (5 minutes by walk). You can find information about the prices at the hotel websites. Pay attention that the prices can be given in Ukrainian currency Hryvnya (UAH). The exchange rate is 1 USD ~ 28 UAH, 1 Euro ~33 UAH. If you have problems in booking hotels, please, inform us by e-mail ssb18@astron.kharkov.ua.

How to get to Kharkiv

There are a limited number of airlines that connect Kharkiv to other cities, mainly to Kiev, Warsaw, Istanbul and several other cities (see the whole list at <https://hrk.aero/en/>). The option is to fly to Kharkiv via Warsaw by LOT Polish Airlines or via Kiev by Ukrainian International Airlines (<https://www.flyuia.com/ua/en/>). Another option is to fly to Kiev Boryspol Airport (<https://kbp.aero/en/>) and to get to Kharkiv from Kiev by train or bus. The train option is more convenient. The train to Kharkiv departs from the Kiev Railway Station which is in 50 minutes by bus

from Boryspol Airport (<https://kbp.aero/en/transport/bus/>). You can choose either an express train (departure 6:43, 13:31, 18:00; the travel time is about 5 hours) or a night train (departure 22:22, arrival 6:25). You can book train tickets at the Ukrainian Railway web-site <https://booking.uz.gov.ua/en/>. If you choose to take bus there are buses directly from Boryspol Airport to Kharkiv (8:35, 15:05, 23:20; travel time about 7 hours). You can find more information about buses and book bus tickets at <http://skybus.kiev.ua/en/across.html>.

Visa to Ukraine

For many countries visa to Ukraine is not required for a stay up to 90 days. Please, check if you need a visa to enter Ukraine at <http://mfa.gov.ua/en/consular-affairs/entering-ukraine/visa-requirements-for-foreigners>. If you need a visa the LOC will provide an invitation letter upon your request.

Registration fee

The registration fee is Euro 200. It includes the conference documentation, coffee-breaks and attendance to all official events organized by the LOC. The registration fee can be paid upon arrival at the registration desk.

Financial support

Limited financial support can be awarded, preferentially to young scientists. The support in the form of a reduction of the registration fee is available for scientists from Ukraine and other former Soviet Union countries. Application for financial support can be done during the on-line registration before April 15.

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, Argentine)
T. Kwiatkowski (Adam Mickiewicz University, Poland)
D. Lazzaro (Observatorio Nacional, Brazil)
D.F. Lupishko (Kharkiv Univ., 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)
Fumi 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. Stepaniuk, S. F. Velichko, N.A. Vorobjeva

Contacts

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