

23rd Gamow International Astronomical Conference:
“ASTRONOMY AND BEYOND: ASTROPHYSICS,
COSMOLOGY AND GRAVITATION, ASTROPARTICLE
PHYSICS, RADIOASTRONOMY, ASTROBIOLOGY AND
GENETICS”

August 21 – 25, 2023
Odesa, Ukraine

Second announcement



Organizers: Odesa I.I.Mechnikov National University, Radio-Astronomical Institute of NASU, Ukrainian Astronomical Association (UAA), Odesa National Maritime University, Odesa Astronomical Society.

SCIENTIFIC ORGANIZING COMMITTEE:

Chair of SOC: A.I. Zhuk (ONU, Ukraine; CASUS, Görlitz, Germany)

Vice-chair: M.I. Ryabov (IRA NASU, Ukraine, ryabov-uran@ukr.net)

Secretary: S.M. Melikyants (ONU, Ukraine, sedamelikk@gmail.com)

Members of SOC: S.M. Andrievsky (ONU, Ukraine; Tübingen University, Germany), I.L. Andronov (ONMU, Ukraine), M. Capaccioli (Naples University, Italy), S.V.Chebotar (ONU, Ukraine), L.L. Jenkovszky (ITP, Ukraine), K. Georgieva (SRTI, Bulgaria), N.I. Koshkin (ONU, Ukraine), I.Kudzej (Vihorlat Observatory in Humenné, Slovakia), T.V Mishenina (ONU, Ukraine), A.S. Miroshnichenko (University of North Carolina, USA), I. Shmeld (VIRAC, Latvia), O.M. Ulyanov (IRA NASU, Ukraine), I.B. Vavilova (MAO NASU, Ukraine), Y.S. Yatskiv (MAO NASU, Ukraine), V.V. Zakharenko (IRA NASU, Ukraine).

LOCAL ORGANIZING COMMITTEE

Chair of LOC: V.I. Truba (Rector of ONU)

Vice-chair of LOC: M.I. Ryabov (ryabov-uran@ukr.net),

Secretary: A.A Pilipenko (plpnko@ukr.net) , L.I. Sobitnyak

Members of LOC: V.O. Borshchenko, V.V. Breus, L.L. Chinarova,

N.I. Koshkin, L.S. Kudashkina, S.M. Melikyants, S.L. Strakhova,

A.L. Sukharev,

V.O. Yushchenko.

The XXIII Gamow conference is devoted to:

– the 155th anniversary of Prof. K.D. Pokrovsky (Director of the Astronomical Observatory of Odessa I.I. Mechnikov State University from 1934 to 1944);

– the 380th anniversary of Isaak Newton;

– the 550th anniversary of Nicolaus Copernicus;

– the 85-th anniversary of Prof. N.S. Komarov;

– the memory of Academician V.M. Shulga, the chair of SOC of the Gamow conferences from 2012 to 2022;

SCIENTIFIC TOPICS:

cosmology, gravitation, astroparticle physics, high energy physics, astrophysics, plasma astrophysics, radioastronomy, solar activity and solar-terrestrial relations, Solar System, astrobiology, genetics, astronomical education, outreach and planetaries.

IMPORTANT CONFERENCE EVENTS

First announcement	5 June
Open registration and abstract	20 June
Second announcement	10 July
Third announcement	15 August
Final registration	10 August (deadline)
Abstract submission	10 August (deadline)
The Conference opening	21 August
The Conference closing	25 August
Detailed information is on the website: www.gamow.odessa.ua	

The Conference Program will be organized in the form of on-line sessions:

- Plenary sessions – the 30-40 minutes lectures.**
- Section meetings with 15 minutes reports.**
- The affiliate sections and subsections.**
- Discussions.**

Conference participants will be provided with zoom links to all sessions in advance.

Conference participants who are in Odessa will be able to take part in an offline session at the Astronomical observatory in the Shevchenko Park.

PRELIMINARY PROGRAM

August 21

10.00 – 13.00 Opening of the conference,
 Greeting talks and Memorial reports

August 21

14.00 – 18.00 Plenary session

August 22

10.00 – 10.30 Congratulations to Professor V.G. Karetnikov on his 85th birthday!

10.30 – 13.00 Plenary session

14.00 – 18.00 Plenary session

August 23 – 25 Section sessions

Sections:

1. Cosmology, gravitation, astroparticle physics, high energy physics

(Chair – *A.I. Zhuk*)

August 23 (10.00 – 13.00, 14.00- 18.00)

2. Astrophysics (Chairs – *I.L.Andronov, T.V.Mishenina*)

- Subsection «**Astroinformatics**» (Chair – *I.B.Vavilova*)
August 24 (10.00 – 13.00 , 14.00- 18.00)
3. **Solar system and space environment** (Chair – *N.I.Koshkin*)
August 23 (10.00 – 13.00, 14.00- 18.00)
4. **Sun, Solar activity, Solar-terrestrial relations and Astrobiology**
(Chairs – *V.M.Efimenko, M.I.Ryabov*);
August 24 (10.00 – 13.00, 14.00 - 18.00)
5. **Biologic section** “Gamow's ideas in 21st century biology”.
(Chair – *S.V.Chebotar*)
August 24 -25 (10.00 – 13.00 , 14.00- 18.00)
6. **Radioastronomy** (Chairs – *O.M.Ulyanov, O.A.Litvinenko*)
August 25 (10.00 – 13.00, 14.00- 17.00)
7. **“Astronomical education”**
(Subsection “**Astronomical Education and Astronomy Outreach**”
(Chair – *I.L.Andronov*)
August 25 (10.00 – 13.00)
8. **Planetariums in Ukraine** (Chairs *G.V.Zheleznyak, M.I.Ryabov*)
August 25 (17.00 – 19.00)

Program and abstracts will be posted on the web page of the Conference:
www.gamow.odessa.ua

Publications:

Scientific articles based on plenary and section reports are welcome for publication in the journal «Odessa Astronomical Publications» (<http://oap.onu.edu.ua/about/submissions#authorGuidelines>). The next issue will be published this year, the deadline for submission is September 30. We also plan to publish reports on radio astronomy in the journal «Radioastronomy and Radiophysics».

For more details regarding the Conference, please contact us:

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E-mails:

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