

**XXVI GAMOW INTERNATIONAL ASTRONOMICAL CONFERENCE:
"ASTRONOMY AND BEYOND: ASTROPHYSICS, COSMOLOGY AND
GRAVITATION, ASTROPARTICLE PHYSICS, RADIO ASTRONOMY,
ASTROBIOLOGY AND GENETICS"**

August 17 - 21, 2026, Odesa, Ukraine

(Attention, the indicated time corresponds to the time in Odesa, i.e. UTC+3)

August 17 (10:00 – 12:25)

(Convener – O. M. Ulyanov)

10:00-10:30 OPENING OF THE CONFERENCE

**Greetings of the Rector of the Odessa I.I.Mechnikov National University
V.I.Truba**

**Greetings of the President of the Ukrainian Astronomical Association
Ya.S.Yatskiv**

**Greetings of the Organizing Committee Co-Chairs: B.S. Novosyadlyj (Lviv
National University), V.V. Zakharenko (IRA NASU).**

August 17 (10.30 – 13.00)

**PLENARY SESSION – reports of the Laureates of the Gamow Medal of ONU
and the Gamow Prize of NASU (40 min)**

- 1. Roberto Ragazzoni (President of the Italian National Institute for
Astrophysics, INAF, Rome) Beyond Lagrange: where are the fundamental
limits of large telescopes?**
- 2. Filippo Zerbi (INAF, Brera Astronomical Observatory, Milan) The
SKAO Observatory: The future of Radio Astronomy.**
- 3. Yu.Izotov. "Compact star-forming galaxies and their impact on cosmic re-
ionization".**

August 17 (14.00 – 17.00)

MEMORIAL SESSION (Report 30 min)

- 1. B.S. Novosyadlyj. 80-th Anniversary of Gamow's hypothesis on cosmological
nucleosynthesis.**

2. **I.E.Rikun, N.I.Koshkin, M.I.Ryabov 155 years of the Odessa Astronomical Observatory ONU - founders.**
3. **V.V. Zakharenko, O.M.Ulyanov. 115-th Anniversary Academician S.Y. Braude - the founder of Radio Astronomy in Ukraine and 70 years since the beginning of radio astronomy research in Ukraine.**
4. **M.I.Ryabov 110-th Birth Anniversary of the famous astrophysicist and popularizer of science I.S.Shklovsky, born in Ukraine.**

18 August (10.00- 13.00) Report – 40 min.

Conviner B.S. Novosyadlyj

1. **Andrei Albert Mesinger, professor (University of Catania, SNS, Italy). Talk about the Universe of the first billion years to be announced.**
2. **Hans Kristian Kamfjord Eriksen, professor, ITA, University of Oslo, "Three decades of cosmological Gibbs sampling".**
3. **Duncan Watts researcher, ITA (Institute of Theoretical Astrophysics at the University of Oslo (UiO), Norway) "Cosmoglobe DR1 and DR2: Global analysis of the microwave and infrared sky".**
4. **B.S. Novosyadlyj, Yu.A. Kulinich (LNU, Ukraine) Distortion of CMB by Dark Ages intergalactic gas and halos.**

19 August (10.00- 13.00) Report – 40 min.

Conviner I.L.Andronov

1. **Enrichetta Iodice (INAF–Astronomical Observatory of Capodimonte, Naples) Diffuse light around galaxies**
2. **Elena Bannikova (INAF–Astronomical Observatory of Capodimonte, Naples; RI NANU, Kharkiv)
The double nucleus of Andromeda: a window into galactic nuclear dynamics**
3. **A.Navarrini (National Radioastronomical Observatory , USA) The ALMA Band 6v2 Receiver: A New Generation of Wideband Millimeter-Wave Receivers for the Atacama Large Millimeter/submillimeter Array**
4. **I.L.Andronov (ONMU, Ukraine) 50-th anniversary of discovery of magnetic cataclysmic variables - polars (AM Her - type stars)**

21 August (14.00- 17.00) Report – 40 min.

Convener M.I.Ryabov

1. Nataliia Shchukina, Javier Trujillo Bueno 2, Ernest Alsina Ballester 2, Tanausú del Pino Alemán (Main Astronomical Observatory, National Academy of Sciences, 03143 Kyiv, Ukraine, Instituto de Astrofísica de Canarias, E-38205 La Laguna, Tenerife, Spain) Magnetometry of the Solar Corona. Magnetometry of the Solar Corona.

2. J.Semkova. (Space Research and Technology Institute, Sofia, Bulgaria) Multispacecraft observations of the space weather at Mars.

3. Cristian Stegmann, (Director in charge of Astroparticle Physics at DESY, Head DESY Zeuthen Site) Ground based gamma-ray astronomy and the Cherenkov Telescope Array Observatory (CTAO) or gravitational wave astronomy and the Einstein Telescope (will be clarified).

4. Nat Gopalswamy (NASA Goddard Space Flight Center)

- List of Large Solar Energetic Particle Events for space weather research.**
- SCOSTEP program 2026 – 2030 yy.**

Closing of the conference