

Preliminary list of speakers for plenary and memorial sessions:

Memorial session:

1. **Massimo Capaccioli**, Università di Napoli Federico II, Italy.
A Fil Rouge of Genius: from Galilei to Gamow.
2. **Alessandro Bettini**, University of Padua, Department of Physics and Astronomy “Galileo Galilei”, Italy.
Four-hundred years of Relativity Principle.
3. **O.A.Bazyey**, ONU, Odesa, Ukraine.
Kant and Laplace - in search of the root cause
(to the 300th anniversary of the birth of I. Kant and the 275th anniversary of the birth of P. Laplace).
- 4 **M.I.Ryabov**, IRA NANU, Ukraine.
Gamow conference in Washington University and 30-th anniversary
Gamow’s Conference in Odesa University.
5. **I.L. Andronov**, ONMU, Odesa, Ukraine.
A.M.Shulberg (27.05.1914-01.09.1994) and the modeling of eclipsing binary
systems with spherical components
6. **Memorial Prof. V.G.Karetnikov**

Plenary session:

1. **A. Linde**, Stanford Institute for Theoretical Physics and Department of Physics, Stanford University, USA. **Present status of inflationary cosmology**
2. **S. Parnovsky**, Taras Shevchenko National University of Kyiv, Observatory, Ukraine. **The Einstein-Podolsky-Rosen paper: history and false instantaneous information transfer paradox.**
3. **R. Ragazzoni**, President of the Italian National Institute for Astrophysics (INAF), Italy. **How large a telescope can be?**
4. **R. Ruffini**, Director of ICRANet, Italy. **TBA.**
5. **N. Gopalswamy**, NASA Goddard Space Flight Center, USA. **TBA.**
6. **D. Kolotkov**, University of Warwick, UK. *Preliminary* – **Flare on the stars.**
7. **I. Usoskin**, Oulu University, Finland. **TBA.**

8. **V. Zakharenko, O. Konovalenko** (IRA NASU, Kharkiv, Ukraine), et al. **On the possibility of detecting a signal in the 21 cm hydrogen line from the Dark Ages at a decameter wavelength.**

9. **E. Bannikova**, INAF - Astronomical Observatory of Capodimonte, Naples, Italy; IRA NASU, Kharkiv, Ukraine. **Galactic Nuclei: evolution of theory and observations.**

10. **B. Novosyadlyj**, Astronomical Observatory of Lviv University, Ukraine.

Signal in the redshifted hydrogen 21 cm line from Dark Ages and Cosmic Dawn as a new cosmological test.

11. **Yu. Bolotin**, National Science Center “Kharkiv Institute of Physics and Technology”, Ukraine. **Thermodynamics and gravity: entropic cosmology.**

12. **Ö. Akarsu**, Department of Physics, Istanbul Technical University, Turkey. **Λ_s CDM Cosmology: A Promising Paradigm Free of Cosmological Tensions.**

13. **I. Andronov** et al, Odesa National Maritime University, Odesa, Ukraine. **Variable stars: Clues from the multi-component variability.**

14. **V. Zhdanov, O. Stashko, Yu. Shtanov**, Taras Shevchenko Nat. Univ. of Kyiv, Ukraine; Princeton University, USA; Bogolyubov Inst. for Theor. Phys., Kyiv, Ukraine. **Cosmic censorship and naked singularities in the quadratic $f(R)$ gravity.**