

**Ministry of Education and Science of Ukraine
Ukrainian Astronomical Association
Research Institute “Mykolaiv Astronomical Observatory”**

**International Conference
“Actual Questions of Ground-based Observational Astronomy”
Devoted to 200th anniversary of Mykolaiv Astronomical Observatory
MAO-200, September 27-30, 2021, Mykolaiv, Ukraine**

PROGRAMME

September 27, Observatory Hall

13 ⁰⁰ - 14 ⁴⁵	Registration of participants
15 ⁰⁰ - 17 ⁰⁰	A walk along the Southern Bug River
17 ⁰⁰ - 18 ⁰⁰	Guided tour to Mykolaiv Astronomical Observatory (MAO)
18 ⁰⁰ - 20 ⁰⁰	Reception welcome party

September 28, Observatory Hall

9 ⁰⁰ - 10 ⁰⁰	Registration of participants
10 ⁰⁰ - 12 ⁰⁰	Opening - Welcome speech and short report on history of MAO by O. Shulga, Director of MAO - Greetings by conference participants and guests - Presentation of awards - Presentation of the artistic envelope and the stamp dedicated to the anniversary of MAO - Special cancellation of the stamp, the postal envelope by the postmark "The Mykolaiv astronomical observatory. 200 years". - Presentation of the anniversary coin "200 years to the Mykolaiv observatory" - Common photo
12 ⁰⁰ - 12 ³⁰	Coffee-break
	Section I, Chairperson - Protsyuk Yu.
12 ³⁰ - 12 ⁵⁰	Shulga O. <i>History of Mykolaiv Astronomical Observatories in Telescopes</i>
12 ⁵⁰ - 13 ¹⁰	Sergeev A. <i>Cooperation between Mykolaiv and Main observatories for developing automatic astrometric complexes</i>
13 ¹⁰ - 13 ³⁰	Tang Z. <i>(online) A new plate digitizer with air bearing platform</i>
13 ³⁰ - 15 ⁰⁰	Lunch Time
	Section II, Chairperson - Koshkin M.
15 ⁰⁰ - 15 ²⁰	Zheng J. <i>(online) Introduction to the observations of the Global Electro-Optical Observation Network</i>
15 ²⁰ - 15 ⁴⁰	Zhao X. <i>(online) Analysis of GEOS Photometric Signature Classifications based on Observations of FocusGEO Telescopes</i>
15 ⁴⁰ - 16 ⁰⁰	Bilinsky A. <i>(online) Observations and Investigations of Artificial Objects in Lviv</i>
16 ⁰⁰ - 16 ²⁰	Phillips C. <i>(online) Improving World Space Situational Awareness</i>
16 ²⁰ - 16 ⁴⁰	Kulichenko M. <i>Peculiarities of Observations of Satellites on High Eccentricity Orbits</i>
16 ⁴⁰ - 17 ⁰⁰	Bushuev F. <i>Observation of GEO and LEO Satellites by Radio-Technical Means in the Research Institute "Mykolaiv Astronomical Observatory"</i>
17 ⁰⁰ - 18 ⁰⁰	Coffee-break, Discussion
19 ⁰⁰ - 22 ⁰⁰	Conference Dinner

September 29, Observatory Hall

	Section III, Chairperson - Fedorov P.
9 ¹⁰ - 9 ³⁰	Akhmetov V. <i>Analysis of Modern Astrometric Catalogues in the Gaia Era</i>
9 ³⁰ - 9 ⁵⁰	Mazhaev A. <i>Kinematics of selected open clusters obtained by combining LAMOST DR5 and Gaia DR2</i>

9 ⁵⁰ - 10 ¹⁰	<i>Protsyuk Yu. Determination of the Open Clusters 3D Structure from Gaia EDR3 Catalog</i>
10 ¹⁰ - 10 ³⁰	<i>Denyshchenko S. Kinematic Analysis of the Milky Way by Gaia EDR3 Data</i>
10 ³⁰ - 10 ⁵⁰	<i>Velichko A. Circular velocity curve of red giants and sub-giants from the Gaia EDR3 data</i>
10 ⁵⁰ - 11 ²⁰	<i>Bodryagin D. The results of observations of binary and multiple star systems from the WDS catalog at the RI "MAO"</i>
11 ²⁰ - 11 ⁴⁰	Coffee-break
11 ⁴⁰ - 12 ⁰⁰	<i>Kriuchkovskiy V. Methodology and Software for Separation of GSS Cluster Observations</i>
12 ⁰⁰ - 12 ²⁰	<i>Gorbanev Yu. Current state of observations of stellar occultations by small Solar system bodies in Ukraine</i>
12 ²⁰ - 12 ⁴⁰	<i>Kozhukhov O. Results of NEO Observations in NSFCTC in 2020-2021</i>
12 ⁴⁰ - 13 ⁰⁰	<i>Maigurova N. Results of NEA Observations in RI MAO</i>
13 ⁰⁰ - 13 ²⁰	<i>Pomazan A. (online) Follow-Up NEA Observations in SHAO</i>
13 ²⁰ - 13 ⁴⁰	<i>Eglitis I. (online) Dynamics of some NEO asteroids</i>
13 ⁴⁰ - 15 ⁰⁰	Lunch Time
	Section IV, Chairperson - Shulga O.
15 ⁰⁰ - 15 ²⁰	<i>Bezrukovs V. Observations of Weak Galactic OH Masers in 1.6GHz</i>
15 ²⁰ - 15 ³⁵	<i>Kazantseva L. (online) Review of Works Over the Last Decade on the Processing of Digitized Photographic Observations</i>
15 ³⁵ - 15 ⁵⁰	<i>Kyrychenko I. (online) On Radiometeor Information Processing</i>
15 ⁵⁰ - 16 ⁰⁵	<i>Golubaev A. (online) The results of meteor observations of the Taurids shower in Kharkiv in 2019-2020</i>
16 ⁰⁵ - 16 ²⁰	<i>Preobrazhenskyi Ye. (online) Opportunities and examples of using new services for science and education from GEANT - a pan-European network for research and education</i>
16 ²⁰ - 16 ⁴⁰	Coffee-break
16 ⁴⁰ - 19 ⁰⁰	<i>The Mykolaiv Zoo is 120 years old</i>

September 30, Observatory Hall

	Section V, Chairperson - Reznichenko O.
9 ⁰⁰ - 9 ¹⁵	<i>Kulichenko M. Optical and Radio Observations of Meteors at RI "MAO"</i>
9 ¹⁵ - 9 ³⁰	<i>Gorbanev Yu. Software for Processing TV Meteor Images</i>
9 ³⁰ - 9 ⁴⁵	<i>Romanyuk Ya. (online) Observation facilities of the joint complex in Lisnyky</i>
9 ⁴⁵ - 10 ⁰⁰	<i>Reznichenko O. New Digital Receiver-Spectro Analyzer for Radio Telescopes UTR-2 and URAN</i>
10 ⁰⁰ - 10 ¹⁵	<i>Markus Y. Instruments of Terskol Peak observatory</i>
10 ¹⁵ - 10 ³⁰	<i>Izviekova I. Methods of processing astronomical observations obtained at the observatory at Terskol Peak</i>
10 ³⁰ - 10 ⁴⁵	<i>Izviekova I. Photometric variability of the selected blazars in the optical range BL Lacertae and ES 1426 + 428</i>
10 ⁴⁵ - 11 ⁰⁰	<i>Guziy S. Polarization in astronomy and its registration. EDIPO project.</i>
11 ⁰⁰ - 11 ¹⁵	<i>Usenko I. Six Years (2015 -2020) of Continuous Radial Velocity Observations of Polaris</i>
11 ¹⁵ - 11 ³⁰	<i>Usenko I. Radial Velocities Investigations of Two Objects in Collinder 394 Galactic Open Cluster: HD 174403 and BB Sgr</i>
11 ³⁰ - 11 ⁴⁵	<i>Mishenina T. (online) Peculiarities of enrichment with chemical elements of metals-poor stars</i>
11 ⁴⁵ - 12 ⁰⁰	Coffee-break
12 ⁰⁰ - 12 ¹⁵	<i>Kudzej I. (online) Observations of Recent Novae Visible on the Northern Hemisphere</i>
12 ¹⁵ - 12 ³⁰	<i>Andronov I. (online) AstroInformatics: Statistical Properties of Functions of Parameters of the Statistically Optimal Approximations of Signals</i>
12 ³⁰ - 12 ⁴⁵	<i>Breus V. (online) Reliable Standards for Polarimetry: Technique, Calibration and Variability</i>
12 ⁴⁵ - 13 ⁰⁰	<i>Kolesnikov S. (online) Circular Polarization in Some Small Bodies of the Solar System</i>
13 ⁰⁰ - 13 ¹⁵	<i>Dmytrenko A. (online) The coordinates estimation of the galactic vertex by mean of kinematic analysis of the red giants and subgiants velocity field containing in the Gaia EDR3 catalogue</i>
13 ¹⁵ - 13 ⁴⁰	Poster Review, Chairperson - Maigurova N.
13 ⁴⁰ - 14 ⁴⁰	General discussion, Chairperson - Shulga O.
14 ⁴⁰ - 15 ⁰⁰	Closing of the conference
15 ⁰⁰ - 15 ³⁰	Coffee-break
	Departure

LIST OF POSTERS

1. **Gorbanev Yu.** *Stellar Occultation by the Asteroid (853) Nansenia on 8 April 2021*
2. **Panko E.** *Classification of Galaxy Clusters. Algorithms for Applying Numerical Criteria*
3. **Yemelianov S.** *Classification of Galaxy Clusters. Realization of the Algorithms of Classifications and Capabilities of the Cluster Cartography Set*
4. **Zolotukhina A.** *The Programs for Searching Gamma-Ray Bursts in the UkrVO Database*