

6th Maidanak Users Meeting

Start Date: Nov 1, 2021

Start Time: 10:00 am (UT+5)

Last Day: Nov 3, 2021

Next MUM-7: to be decided

Agenda Item	Schedule	Time	Speaker
Nov 1. Opening session			

Wake up participants, connection check, registration, greetings	9:00 am	60	
Opening of the meeting	10:00 am	15	Sh. Ehgamberdiev, director of UBAI
Welcome address from Uzbekistan Academy of Sciences	10:15 am	15	B. Yuldashev, President of UzAS

Session 1: Current status of the Maidanak observatory and logistics

Chairman: Sh. Ehgamberdiev (UBAI, Uzbekistan)

Astronomy in Uzbekistan: general overview	10:30 am	30	Sh. Ehgamberdiev (UBAI, Uzbekistan)
Maidanak observatory: telescopes, equipment and their condition	11:00 am	30	O. Burkhanov (UBAI, Uzbekistan)
Status of the Internet and LAN at Maidanak observatory	11:30 am	30	Y. Tillayev (UBAI, Uzbekistan)
Coffee break	12:00 pm	30	

Session 2: Current projects and scientific output

Chairman: D. Bisikalo (INASAN, Russia)

Lunch	1:00 pm	60	
Observations of gravitational lenses at high quality conditions of the Maidanak observatory	2:00 pm	20	I. Asfandiyarov (UBAI, Uzbekistan)
Preliminary light curves of double GLQ SDSSJ2124+1632 and SDSSJ0806+2006	2:20 pm	20	T. Akhunov (National University of Uzbekistan)

Chairman: A. Serebryanskiy (FAI, Kazakhstan)

Astrophysical Observable Properties of Black Holes and Neutron Stars	2:40 pm	20	B. Ahmedov (UBAI, Uzbekistan)
Monitoring of SN explosions at Maidanak observatory	3:00 pm	20	D. Mirzaqulov (UBAI, Uzbekistan)
Observation with Astrotel – telescope	3:20 pm	20	R. Karimov (UBAI, Uzbekistan)
Coffee break	3:40 pm	20	

Chairman: Y. Tillayev (UBAI, Uzbekistan)

Application of wavelet analysis for long-term variation search	4:00 pm	20	Y. Minenko (UBAI, Uzbekistan)
Machine Learning Techniques for Light Curves Analysis. Variable stars	4:20 pm	20	A. Halikova (UBAI, Uzbekistan)
Uzbek–Chinese cooperation on UBAI photographic archive digitization	4:40 pm	20	Q. Yuldoshev (UBAI, Uzbekistan)

Nov 2. Second day

Session 2: Current projects and scientific output (Cont.)

Chairman: Myungshin Im (SNU, South Korea)

15 years of SNUCAM at Maidanak	10:00 am	30	Myungshin Im (Seoul National University, South Korea)
Observational studies of SN 2017ein and a peculiar transient AT2018cow	10:30 am	20	Danfeng Xiang (Tsing Hua university, China)
Constraints on the Progenitor System of a Type Ia SN 2019ein from the Early Light Curve	10:50 am	20	Gu Lim (Seoul National University, South Korea)
Maidanak observatory for observations of astrophysical transients	11:10 am	30	Alexei Pozanenko (Space Research Institute (IKI), Russia)
Coffee break	11:40 am	20	

Chairman: A. Pozanenko (IKI, Russia)

GRB 201015A: from seconds to months optical monitoring and supernova discovery	12:00 pm	20	Sergey Belkin (IKI, Russia)
Recent peculiar GRB-related counterparts observed with AZT-22 at Maidanak	12:20 pm	20	Alina Volnova (IKI, Russia)
Site testing at MAO: recent results	12:40 pm	20	Y. Tillayev (UBAI, Uzbekistan)
Lunch	1:00 pm	60	

Chairman: O. Serhyeyev (Nice Observatory, France)

Comparison between the Maidanak Observatory observations and the reference azimuthal offsets in “star cluster - H II region” pairs in NGC 628 from the Hubble Space Telescope observations	2:00 pm	30	F. Sakhibov / A.Gusev (University of Applied Sciences of Mittelhessen, Friedberg, Germany / SAI, Russia)
GRANDMA and Maidanak: towards O4 LIGO/Virgo observing run	2:30 pm	20	Sarah Antier (Artemis, France)
Cosmography with time delays in lensed quasars	2:50 pm	20	Frédéric Courbin (EPFL, Switzerland)
Energy spectra of atmospheric turbulence for Maidanak observatory	3:10 pm	30	A. Shikhovtsev (INASAN, Russia)
Coffee break	3:40 pm	20	

Chairman: A. Hojaev (UBAI, Uzbekistan)

Variables in Clusters and Beyond	4:00 pm	20	A. Hojaev (UBAI, Uzbekistan)
Solar cycle variation of coronal mass ejections and their impact on space weather	4:20 pm	20	Z. Mirtoshev (Samarkand State University, Uzbekistan)
Orbital inclination changes of eclipsing binaries (Nodal motion)	4:40 pm	20	A. Matekov (UBAI, Uzbekistan)

Nov 3. Third day

Session 3: Future prospects

Chairman: Takashi Ito (NAOJ, Japan)

On collaboration between UBAI and FAI: instrumentation development, installation and upgrade in Maidanak	10:00 am	20	A.Serebryanskiy (Fesenkov Astrophysical Institute, Kazakhstan)
Practical use and capabilities of the AZT-20 telescope of Assy-Turgen observatory	10:20 am	20	Vitaliy Kim (HSE, FAI, Russia)
Building an Affordable 4m Class Optical Telescope	10:40 am	30	Padmakar Parihar (Indian Institute of Astrophysics, India)
Coffee break	11:10 am	20	

Chairman: Zhou Fan (NAOC, China)

Exoasteroid impact flares: past and future optical observations at Maidanak	11:30 pm	30	M. Ibragimov (INASAN, Russia)
INASAN's experience to build 1 m wide field telescopes. A proposal to build 1 m telescope with field of view of 12 square degrees and 9×9 k CMOS detector for Maidanak observatory	12:00 pm	30	Andrey Shugarov (INASAN, Russia)
A new plate digitizer with air bearing platform	12:30 pm	30	TANG Zheng-Hong (Shanghai Astronomical Observatory, China)
Lunch	1:00 pm	60	

Chairman: Sh. Kholikov (NSO, USA)

The Whole Earth Blazar Telescope (WEBT)	2:00 pm	30	C.M. Raiteri (INAF- OsservatorioAstrofisico di Torino, Italy)
Asteroids study with Maidanak observatory	2:30 pm	30	P. Pravec (Ondrejov, Czech Republic)
Maidanak participation to SVOM project	2:50 pm	20	Bertrand Cordier (IAP, France)
Observation of Space Debris at Kitab observatory	3:20 pm	20	V. Agapov (Astronomical Research Center, Russia)
A potential tool for stellar activity analysis	3:40 pm	20	N. Berdalieva (UBAI, Uzbekistan)

Closing the meeting, general discussion