

**Multi-messenger astronomy in the BRICS framework
Workshop program**

The BRICS Astronomy Workshop will be held on the 5th of December, 2023, at 11:00-14:30 UTC. This corresponds to the following regional time zones:

Rio de Janeiro, Brazil 08:00-11:30

Cape Town, South Africa 13:00-16:30

Moscow, Russia 14:00-17:30

Delhi, India 16:30-20:00

Beijing, China 19:00-22:30



Time, Moscow (UTC+3)	Title	Speaker Affiliation
14:00-14:15	Workshop opening (SOC greetings)	
SESSION 1	Chair:	
14:15-14:30	Flare detection and light curve classification with deep learning	Ali Luo NAO CAS, China
14:30-14:45	Hybrid deep learning for blazar classification and correlation search with neutrinos	Lili Yang Sun Yat-sen University, China
14:45-15:00	Automated transient detection in the context of the 4m International Liquid Mirror Telescope (ILMT)	Kumar Pranshu ARIES, India
15:00-15:15	Objects with extreme UV emission in modern sky surveys	Aleksandra Avdeeva Institute of Astronomy, Russia
15:15-15:30	Radio evolution of novae: results from multifrequency monitoring	Nirupam Roy Indian Institute of Science, India
15:30-15:45	Optical observations of transients with Indian facilities	Kuntal Misra ARIES, India
15:45-16:00	Coffee break	
SESSION 2	Chair:	
16:00-16:15	Photometric and Spectroscopic Investigation of A-F type CP Stars	Santosh Joshi ARIES, India
16:15-16:30	SNAD160: an example of the search for transients for BRICS astronomical projects	Alina Volnova Space Research Institute of RAS, Russia
16:30-16:45	GRB 181201A: Southern and Northern instruments facilitating the discovery of the supernova	Sergey Belkin Space Research Institute of RAS, Russia
16:45-17:00	Clusters analysis of the Roma-BZCAT blazars	Dmitry Kudryavtsev SAO RAS, Russia
17:00-17:15	Modelling very high-energy gamma rays from GRBs with external Compton emission	Monica Barnard UJ, South Africa
17:15-17:30	A synthetic population of Ultra-luminous X-ray sources and their UV-X-ray correlation	Lutendo Nyadzani UJ, South Africa
17:30-17:50	Discussion	