



SLOVAK RESEARCH
AND DEVELOPMENT
AGENCY

International meeting on variable stars research

KOLOS 2018

Organized by Vihorlat Observatory Humenné in collaboration with Faculty of Science UPJŠ Košice, Slovak Astronomical Society, Slovak Union of Astronomers and Non investing fund Teleskop with support of the grant APVV-15-0458
"Interacting binaries - Key for the Understanding of the Universe"

Programme

All times are in CET (Central European Time), CET = UTC + 1 hour

Conference languages: English, Russian

Time slots: 30' invited oral talk; 15' for oral scientific talks including discussion; 3' for poster presentations

1.DAY (Thursday 06.12.2018)		
Hour		Venue - Astronomical Observatory on Kolonica Saddle
From	To	
11:00	12:30	Presentation of the participants
12:30	13:00	Opening Ceremony
Scientific Paper Session I. [Astronomical Observatory on Kolonica Saddle - planetarium hall] Astronomical observatory on Kolonica Saddle, results of observations in 2018. Papers based on data collected at AO Kolonica Saddle.		
13:00	13:30	From Kolos to Kolos, Lecturer: Igor Kudzej
13:30	13:45	Annual report on observational results of the Astronomical Observatory at Kolonica Saddle, Lecturer: Pavol Dubovský
13:45	14:15	"Inter-Longitude Astronomy" (ILA) campaign: Some Highlights and Future Plans, Lecturer: Ivan L. Andronov
14:15	14:30	Study of the Spin Period Variability in Intermediate Polars: Recent Results, Lecturer: Vitalii Breus
14:30	14:45	Automated light curves creation of variable stars: experience and prospects, Lecturer: Oleksandr Briukhovetskyi
14:45	15:30	<i>Coffee break</i>
Scientific Paper Session II. [Astronomical Observatory on Kolonica Saddle - planetarium hall] Variable star research - part 1		
15:30	16:00	The peculiar outburst activity of the symbiotic binary AG Draconis, Lecturer: Rudolf Gális
16:00	16:30	Optical monitoring of a sample of FR II-type QSOs, Lecturer: Staszek Zola
16:30	16:45	DSLR photometry of eclipsing binaries and high-amplitude delta scuti stars, Lecturer: Matúš Kamenec
16:45	17:00	CCD photometry the variable stars FI Sge and RY Vul, Lecturer: Sergei Udovichenko

17:00	17:15	Correlations between chromospheric activity and physical parameters of contact binary stars, Lecturer: Tibor Mitnyan
17:15	17:30	An MCMC fitting method for the analysis of eclipsed pulsations, Lecturer: András Bókon
17:30	18:00	<i>Transport to Ladomirov</i>
18:00	21:00	<i>Welcome party in the tourist hostel Jurčišín in Ladomirov</i>
2.DAY (Friday 07.12.2018)		
Hour		Venue - Vihorlat Observatory Humenné
From	To	
08:00	09:00	<i>Breakfast</i>
09:00	10:00	<i>Transport to Humenné</i>
Scientific Paper Session II. [Vihorlat Observatory Humenné - lecture hall] Variable star research - part 2		
10:00	10:30	Improved Phenomenological Modelling of Multi-Component Signals: Applications to Variable Stars, Lecturer: Ivan L. Andronov
10:30	10:45	Classification of eclipsing binaries by machine learning algorithms, Lecturer: Štefan Parimucha
10:45	11:00	New tool with GUI for fitting O-C diagrams, Lecturer: Pavol Gajdoš
11:00	11:30	<i>Coffee break</i>
11:30	11:45	Doppler tomography and BM3 modeling of the close binaries and their surroundings, Lecturer: Vladimír Bahýľ
11:45	12:00	Periods and eclipse shape analysis of eclipsing symbiotic star AR Pav, Lecturer: Vladyslava Marsakova
12:00	12:15	The zoo of the shapes of extrema and the net of methods to capture the best, Lecturer: Kateryna Andrych
12:15	12:30	Period variations and possible third components in several eclipsing binaries, Lecturer: Dmytro Tvardovskyi
Poster session: Short talks about posters presented		
12:30	13:00	Evolution of 2MASS J16211735+4412541 light curve in the quiescent state, Lecturer: Staszek Zola
		Polarimetry of variable stars in open clusters, Lecturer: Sándor Papp
13:00	14:00	<i>Lunch - Restaurant Hviezda</i>
14:00	16:30	<i>Social event - Excursion to the Open Air Museum and the Manor house in Humenné.</i>
16:30	17:30	<i>Transport to Stakčín</i>
17:30	18:30	<i>Dinner in the hotel Armales</i>
Astronomers in the world: Reports on astronomer's traveling [Hotel Armales in Stakčín]		
18:30	22:00	

3.DAY (Saturday 08.12.2018)

Hour		Venue - hotel ARMALES, Stakčín
From	To	
08:00	09:00	<i>Breakfast</i>
Scientific Paper Session III. [Hotel Armales in Stakčín] Other astrophysical areas, cosmology, nuclear physics, geophysics		
09:00	09:30	Occultations observations, Lecturer: Matej Korec
09:30	09:45	Optimization of the transfer trajectory to Near-Earth Asteroids, Lecturer: Alice Horbachova
09:45	10:00	A numerical optimization code for supernova light curves, Lecturer: Zoltán Jäger
10:00	10:15	Archival astronomical glass plates of the Jagiellonian University Observatory, Lecturer: Greg Stachowski
10:15	10:30	Airglow Monitoring by One-pixel Detector, Lecturer: Simon Mackovjak
10:30	11:00	<i>Coffee break</i>
Scientific Paper Session IV. [Hotel Armales in Stakčín] Astrotourism and astronomical education in Carpathian region, dark sky parks		
11:00	11:15	About some computer developments for the children's astronomical society, Lecturer: Oleksandr Bazyey
11:15	11:30	Astro Space Complex of Moscow Pedagogical State University and possibilities for international collaboration, Lecturer: Olga Kochina
11:30	12:00	Recent news from Dark Sky Tripark Eastern Carpathians, Lecturer: Robert Bury
12:00	13:00	<i>Lunch and closing ceremony</i>