



International meeting on variable stars research

KOLOS 2015

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

Programme

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

Conference languages: English, Russian

Time slots: 15' for oral scientific talks + 5' discussion; 5' for poster presentations

1.DAY (Thursday 03.12.2015)

Hour		Venue - Hotel Armales in Stakčín, Cultural House in Stakčín
From	To	
12:00	13:30	Presentation and accommodation of the participants [Hotel Armales in Stakčín]
13:30	14:00	Opening Ceremony
Scientific Paper Session I. [Cultural House in Stakčín] Astrocomplex on Kolonica Saddle, results of observations in 2015. Papers based on data collected at AO Kolonica Saddle		
14:00	14:20	From Kolos to Kolos, Lecturer: Igor Kudzej
14:20	14:40	Annual Report on Observational results of Astronomical Observatory at Kolonica Saddle, Lecturer: Pavol Dubovský
14:40	15:00	KoRoT - Kolonica Robotic Telescope, Lecturer: Štefan Parimucha
15:00	15:30	<i>Coffee break</i>
Scientific Paper Session II. [Cultural House in Stakčín] Variable star research - part 1		
15:30	15:50	Spectroscopy of binary stars - first results and plans, Lecturer: Ewa Kosturkiewicz
15:50	16:10	Spectroscopy of multiple stars with eclipsing component, Lecturer: Wojciech Dimitrov
16:10	16:30	Spectral display of envelopes presence for Cepheids and non-variable yellow supergiants, Lecturer: Igor Usenko
16:30	16:50	Spectroscopic view on the outburst activity of the symbiotic binary AG Draconis, Lecturer: Rudolf Gális
16:50	17:10	Correlation analysis of photometric and spectroscopic data of symbiotic systems AG Dra and Z And, Lecturer: Jaroslav Merc
17:10	17:30	Finite exposure time effect in light curves of eclipsing binaries observed in LC Kepler mode., Lecturer: Staszek Zola
17:30	17:50	Updates on BRITE ground-based support and other variable star observations at Mt. Suhora, Lecturer: Greg Stachowski

17:50	18:10	Period analysis of pulsating components in eclipsing binaries from Kepler database, Lecturer: Miroslav Fedurco
18:10	18:30	Reanalysis of parameters of Kepler's exoplanets, Lecturer: Pavol Gajdoš
18:30	18:50	Trend filtering algorithms, Lecturer: Dávid Bodnár
19:00	22:00	<i>Conference dinner [Hotel Armales in Stakčín]</i>
2.DAY (Friday 04.12.2015)		
Hour		Venue - Astronomical Observatory on Kolonica Saddle and Hotel Armales
From	To	
08:00	09:00	<i>Breakfast - hotel Armales, Stakčín</i>
09:00	09:30	<i>Transport to Astronomical Observatory on Kolonica Saddle</i>
Poster session: Short talks about posters presented		
09:30	10:00	On the representation of magnetized gas structures during a mass transfer in Beta Lyrae system, Author: Mykhaylo Skulsky
		On the spatial structure and the wave resonances in the Solar planetary system, Author: Mykhaylo Skulsky
		Photometry of asteroids and variable stars in Derenovka, Author: Viktor Kudak
		Spectroscopic view on the outburst activity of the symbiotic binary AG Draconis, Authors: Rudolf Gális, Ladislav Hric, Laurits Leedjärv, Jaroslav Merc
		On the Origin of the Raman-Scattered O VI 1032Å Line During Outbursts and Quiescent Phases of the Symbiotic Binary AG Draconis, Author: Zuzana Kreibiková
		TBA, Author: Tibor Hegedüs
		Low mass ratio contact binaries with large, circumpolar spots: case of MT Boo and V2366 Cyg, Author: Bartłomiej Debski
Scientific Paper Session III. [AO on Kolonica saddle] Other astrophysical areas, cosmology, nuclear physics, geophysics...		
10:00	10:20	Dynamics of binary and triple asteroids, Lecturer: Volodymyr Troianskyi
10:20	10:40	Visible properties of cosmic anti-string, Lecturer: Albert Kotvytskiy
10:40	11:00	Capabilities of the Space Situation Monitoring and Analysis System to deal with space debris, Lecturer: Sergii Melnychuk
11:00	11:20	EDMOND - European database of videometeor orbits and spectra, Lecturer: Jakub Koukal
11:20	11:30	<i>Coffee break</i>
11:30	11:50	CoLiTec: research and development, Lecturer: Sergii Khlamov
11:50	12:10	Methods for identification and selection of reference stars on the digital frames, Lecturer: Iana Movsesian
12:10	12:30	Development of software for publishing and data searching for virtual observatories, Lecturer: Artem Pohorelov

12:30	12:50	The computational method for brightness alignment of digital images, Lecturer: Vadym Savanevych
12:50	13:10	Production equipment for observatories of Ukraine, Lecturer: Sergiy Verbytsky
13:10	13:30	<i>Transport to the hotel Armales in Stakčín</i>
13:30	14:30	<i>Lunch - hotel ARMALES, Stakčín</i>
14:30	19:00	Social event <i>Visit of Museum and other stops of Zemplínske Hámre Educational Trail</i>
19:00	20:00	<i>Dinner - hotel ARMALES, Stakčín</i>
Astronomers in the world: Reports on astronomer's traveling [Hotel Armales in Stakčín]		
20:00	22:00	EWASS 2015 in Tenerife, Lecturer: Ladislav Hric
		Astronomical olympiad 2015 in Indonesia, Lecturer: Mária Hricová Bartolomejová
		Cuba travel 2015, Lecturer: Igor Kudzej
3.DAY (Saturday 05.12.2015)		
Hour		Venue - hotel ARMALES, Stakčín
From	To	
08:30	09:30	<i>Breakfast - hotel ARMALES, Stakčín</i>
Scientific Paper Session IV. [Hotel Armales in Stakčín] Astrotourism and astronomical education in the Carpathian region		
09:30	09:50	New projects for astrotourism in Carpathian region, Lecturer: Robert Bury
09:50	10:10	Dark Sky in Carpathian Mountain, Lecturer: Pavol Ďuriš
10:10	10:40	<i>Coffee break</i>
Scientific Paper Session V. [Hotel Armales in Stakčín] Variable star research - part 2		
10:40	11:00	TBA, Lecturer: Tibor Hegedüs
11:00	11:20	AO Serpentis - An unsolved mystery, Lecturer: Ľubomír Hambálek
11:20	11:40	Changes of light curve parameters of LPVs and classification of Miras and semiregular variables, Lecturer: Vladyslava Marsakova
11:40	12:00	Period changes of beta Lyrae eclipsing-variables, Lecturer: Vladyslava Marsakova
12:00	13:00	<i>Lunch and closing ceremony</i>
10:00	13:00	Working meeting of the Space Emergency System partners [Hotel Armales in Stakčín]