

Scientific sessions

- Binaries as Tests of Stellar Evolution Models
- Extreme and Unusual Binaries
- Rapid Phases of Binary Evolution
- Emission line Binaries
- Highest to Lowest Mass Binaries

Programme

Sunday July 1, 2012

16:00 Registration

Monday July 2, 2012

8:00 Registration

8:30 Opening Addresses

Binaries as Tests of Stellar Evolution Models

9:00 Steve Sorensen (T. Pyatak) and its relation to cataclysmics and the recurrent compact nova systems (

9:30 Ina S. Midtbroeck: SW Sex phenomenon as an evolutionary stage of CVs

9:50 Markus Schoeller: HgMn stars: cornerstones to understand late B-type multiple star formation

10:10 coffee-break

10:40 ešmir Banićević (P. Kob)bing stellar rotational evolutionary models with a little help of the genetics (

11:10 Matthias R. Schreiber: Understanding low-mass stars from post common envelope binaries

11:30 Y-Derone: The key role of circumbinary discs in post-AGB binaries

12:00 2 Kazimierz Szymien: The ultimate fate of low-mass contact binary evolution: planetary

12:20 2 Maja Vuckovic: Subdwarfs - the Rosetta stones for testing the stellar evolution models

Rapid Phases of Binary Evolution

16:30 – 16:50 Romuald Tylenda : Mergers of contact binary systems: the case of V1309 Scorpii

16:50 – 17:10 Barsukova E.A. et al.: Photometric and spectroscopic evolution of the red nova V4332

17:10 – 17:40 coffee-break

17:40 – 18:00 Nataly Katysheva: The observations of unusual WZ Sge-type system OT J184228.1+4

18:00 – 18:20 Polina Golysheva et al.: Multicolour photometry of unusual dwarf nova star HS 0218+3

Welcome Reception

Tuesday, July 3, 2012

Extreme and Unusual Binaries

- 9:00 Andre Pica-Retive: Power of eclipses in the era of Kepler and LSST (
- 9:40 Laurent Eyraud: A talk (
- 10:00 Christa Hummel: Binary studies with the Navy Optical Interferometer (
- 10:40 Arvi Orlov : Binary star speckle interferometry and speckle photometry at Telescopes of Observ
- 11:00 Coffee break
- 11:40 Kelly Beaton: Tidal Excitation and Heartbeat Stars
- 12:00 Lidia Garzon: Searching for pulsating stars in eclipsing binaries in the OMC Catalogue
- 12:20 Edward Quinan: Eclipsing binaries that Don't Eclipse Anymore
- 12:40 Miksaek, M. Zejda, J. Liska: Visual observations of eclipsing binaries: Use or not to use

16:00 – 19:00 Visit to the Observatory

Wednesday, July 4, 2012

Epsilon Aurigae Binaries

- 9:00 Edward Quinan: Demystifying the Enigmatic Long-Period Eclipsing Binary ϵ Aurigae (Review)
- 9:40 Philip Bennett: What do we really know about Epsilon Aurigae? Observational Constraints and Im
- 10:00 Petr Harmanec : A new look into the spectral and light variations of epsilon Aurigae
- 10:30 Robert Boice: Effects of dust on light-curves of eps Aur
- 10:50 Coffee break
- 11:20 Poster Session

- 16:00 Poster Session
- 17:00 Coffee break
- 17:30 Robert Stencel: Epsilon Aurigae: An Overview and the 2009-2011 Eclipse Campaign Results (

Thursday, July 5, 2012

Extreme and Unusual Binaries

- 9:00 Svetlana Hrivnig: Binarity versus magnetic fields in upper main-sequence stars (
- 9:40 Cecile Bonanos: Binaries in clusters and local group galaxies (
- 10:00 Greg Malin: Classification of eclipsing binaries: extreme and unusual systems (
- 10:40 Coffee break
- 11:30 Jana Nesradavova : Unusual quadruple system Xi Tau
- 11:50 Daniel Barria: Photometric and spectroscopic analysis of the eclipsing binary DQ Velorum
- 12:00 Zdzislaw Baran: "2M1938+4603" - a unique system to study the reflection effect

Emission line Binaries

- 16:00 – 16:40 Bozic, Koubsky, Harmanec : Hot emission-line binaries observed at Hvar *Review*
- 16:40 – 17:10 Philippe Stee : Be and other unusual binaries (*Invited talk*

- 17:10 – 17:30 Anatoly Miroshnichenko: FS CMa Type Binaries with the B[e] Phenomenon: Towards S
17:30 – 18:00 coffee–break
18:00 – 18:30 Ronald Mennickent : Algol-like interacting binaries with long non-orbital periodicities
18:30 – 18:50 Vladimir Kolbas: Chemical composition of the components of Algol triple system

Friday, July 6, 2012

Highest to Lowest Mass Binaries

- 9:00 Michael Corcoran (talk) Energy Interactions in Massive Binaries (
9:30 David R. Cinske (talk) Spectroscopic metallicity determinations for contact binary stars (
10:00 Catalin Ivan (talk) Strange active giants in close binary systems (
10:30 Isztvan Vida : The strange close binary V405 And: the influence of different dynamos on the com
10:50 coffee break
11:20 11:50
R. Chini: A spectroscopic survey on the multiplicity of high-mass stars

11:50 Late Mathieu; Rauw Gregor; Mahy Laurent: Spectral modelling of massive binary systems: the
12:10 Tatyana Banskij: Photometric evidence of a neutron star in the system of SS 433
12:30 Cecilia Palombara: X-ray observations of the compact companions of the sdO stars HD49798 a

19:00 Rudolf, J. Calogovic: 40 godina Opservatorija Hvar (in Croatian)

21:00 Wine and cheese in a Dalmatian konoba

[List of posters](#)