

There are no translations available.

### 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 S. Borucki (NASA) and its relation to cataclysmics and the recurrent compact nova systems (

9:30 Ina S. Smith: 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 Ošimir Pavlović (RKO) combining 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 Tyler D. Arrington: The key role of circumbinary discs in post-AGB binaries

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

12:20 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 S

17:10 – 17:40 coffee-break

17:40 – 18:00 Natalya 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+32

Welcome Reception

## Tuesday, July 3, 2012

### Extreme and Unusual Binaries

- 9:00 Andrew P. R. Rice: The power of eclipses in the era of Kepler and LSST (Review)  
9:40 Laurent Eyraud-Godinot: A new mission (Abstract)  
10:00 Christa Hill: Binary studies with the Navy Optical Interferometer (Abstract)  
10:40 Alexei Orlov: Binary star speckle interferometry and speckle photometry at Telescopes of Observatories  
11:10 Coffee Break  
11:40 Kelly Hensley: Tidal Excitation and Heartbeat Stars  
12:00 Lidia Alonso Garzon: Searching for pulsating stars in eclipsing binaries in the OMC Catalogue  
12:20 Edward Guinan: Eclipsing binaries that Don't Eclipse Anymore  
12:40 Mikuláš Bek, 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

### Extreme and Unusual Binaries

- 9:00 Edward Guinan: Demystifying the Enigmatic Long-Period Eclipsing Binary  $\epsilon$  Aurigae (Review)  
9:40 Philip Bennett: What do we really know about Epsilon Aurigae? Observational Constraints and Implications  
10:00 Petr Harmanec: A new look into the spectral and light variations of epsilon Aurigae  
10:30 Barbara Bosca: 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: A Review of the 2009-2011 Eclipse Campaign Results (Review)

## Thursday, July 5, 2012

### Extreme and Unusual Binaries

- 9:00 Svetlana Florjancic: Binarity versus magnetic fields in upper main-sequence stars (Abstract)  
9:40 Cecile Bonafant-Bidaud: Binaries in clusters and local group galaxies (Abstract)  
10:00 Oleg Malin: Classification of eclipsing binaries: extreme and unusual systems (Abstract)  
10:40 Coffee Break  
11:30 Jana Novakovic: Unusual quadruple system Xi Tau  
11:50 Daniel Barria: Photometric and spectroscopic analysis of the eclipsing binary DQ Velorum  
12:00 Zdeněk 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 ( *Invited talk*) High Energy Interactions in Massive Binaries (

9:30 David R. Cinske ( *Spok*) Spectroscopic metallicity determinations for contact binary stars (

10:00 Catalin Strugariu ( *Spok*) Active giants in close binary systems (

10:30 István 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 Patrice Mathieu; Rauw Gregor; Mahy Laurent: Spectral modelling of massive binary systems: the

12:10 Ilya Zhelezanskiy: 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 Radek, J. Calogovic: 40 godina Opservatorija Hvar (in Croatian)

21:00 Wine and cheese in a Dalmatian konoba

[List of posters](#)