

Program

Monday, September 28

08:00 *Registration*

09:00 *Opening*

Section 1: Astrodynamics

09:30 **Efthymiopoulos**: Invariant manifolds and chaotic spiral arms in galaxies

10:00 **Mioc**: Equilibria of Seeliger's problem: analytic approach

10:20 **Ninković**: Binary 15 Mon and star cluster NGC 2264

10:40 *Coffee break*

11:00 **Knežević**: Dynamical and physical characteristics of Hungaria asteroids

11:30 **Damljanović**: A better reference frame by using improved proper motions of single and double stars

11:50 **Pashkevich**: On the geodetic rotation of the major planets, Pluto, the Moon and the Sun

12:10 **Borisov**: Variation of heliocentric coordinates of asteroid 108 Hecuba

12:30 *Lunch*

Section 2: Galaxies & Cosmology

14:30 **Kirilova**: Neutrino in cosmology

15:00 **Hafizi**: A review on temporal lag correlations in GRBs

15:20 **Lalović**: Measurement of velocity dispersions of nearby galaxies

15:40 **Vince**: Dust attenuation of starburst galaxies

16:00 *Coffee break*

- 16:30 **Ćirković:** The galactic habitable zone and Fermi's paradox
- 17:00 **Vukotić:** Cellular automation of GHZ
- 17:20 **Golev:** Homogeneous UBVRI photometry of the cluster candidates in M33
- 17:40 **Samurović:** The problem of stellar anisotropies in nearby galaxies

Tuesday, September 29

Section 3: Stellar & Solar Physics

- 09:00 **Iliev:** Challenges of Modern Astrophysics: Doppler Imaging and Doppler Tomography
- 09:30 **Bíró:** Nonradial pulsations in eclipsing binaries: methods of mode identification
- 09:50 **Antonova:** Investigating magnetic field strengths and topologies for pulsing ultracool dwarfs
- 10:10 **Čadež:** Instabilities in stratified magnetized stellar atmospheres
- 10:30 *Coffee break*
- 11:00 **Goker:** An examination of x-ray binaries in Hertzsprung-Russell diagram
- 11:20 **Borkovits:** Interferometric observations of the hierarchical triple system Algol
- 11:40 **Tsantilas:** Inversed semi-detached binaries (ISDB)
- 12:00 *Lunch*
- 14:00 SREAC Meeting

Section 4: Amateur Astronomers Meeting

- 15:00 **Božić:** Amateur Astronomy in Serbia - an overview
- 15:10 **Božić:** Međunarodna godina astronomije u Srbiji
- 15:20 **Zorkić:** Astronomski magazin - prvih deset godina
- 15:40 **Stanić:** Celebrating 45 Years of Public Observatory and 40 Years of Belgrade Planetarium in the Year of Astronomy
- 16:00 **Partalovski:** Skopsko astronomsko društvo - posmatračke aktivnosti

- 16:15 **Marjanović:** Astronomsko društvo Novi Sad - pregled aktivnosti 2009
- 16:30 **Grnja:** Praktična rešenja za posmatranja u astronomiji
- 16:45 **Milovanović:** Aktivnosti astronomske grupe Društva istraživača "Vladimir Mandić Manda" iz Valjeva
- 16:55 **Milošević:** Astronomsko društvo "Alfa" iz Niša
- 17:05 **Lazarević:** Prirodnjačko društvo "Gea" - astronomske aktivnosti
- 17:15 **Zorkić:** Astronomski kamp Letenka
- 17:25 **Srejić:** Andromeda na Knjaževačkom nebu
- 17:35 **Mravik:** Posmatračke aktivnosti Astronomskog društva iz Bačke Palanke
- 17:45 **Božić:** Astronomska edukacija u IS Petnica
- 20:00 *Conference dinner*

Wednesday, September 30

Section 3: Stellar & Solar Physics

- 09:00 **Rovithis-Livaniou:** Latest news from the field of exoplanets
- 09:30 **Dumitru:** A case of filament – active region interaction
- 09:50 **Jovanović:** A new calibration method for water vapor blending of solar lines
- 10:10 **Goker:** Slow shocks in a current sheet with multi-fluid plasma
- 10:30 *Coffee break*
- 11:00 **Kuzmanovska-Barandovska:** Iteration factors method for multilevel radiative transfer: convergence properties
- 11:20 **Konstantinova-Antova:** Are the M giants magnetically active?
- 11:40 **Zboril:** Stars suspicious of bright spots
- 12:00 **Ekmekçi:** Summarizing the results of photometric analyses of long-term BV observations of UX Arietis
- 12:20 **Mioc:** Coronal mass ejections: a different mathematical approach
- 12:40 *Lunch*

- 14:30 **Markova:** Quantitative spectroscopy of OB stars: theory and observations
- 15:00 **Voloshina:** Photometric study of selected SU UMa-type dwarf novae
- 15:20 **Akkaya:** CCD UBVRI photometry of the galactic open clusters: Be89, Ru135 and Be10
- 15:40 **Markov:** Spectroscopic observations of UU Cas: preliminary results
- 16:00 Poster presentations
- 17:00 *Coffee break*
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- 17:20 **Bonev:** Recent upgrades of the 2-meter telescope at NAO Rozhen
- 17:40 **Dennefeld:** Observing facilities in Europe, for research and teaching
- 18:00 *Closing*

Please, plan your talk according to these recommendations:

Invited talk: 30 minutes (25 + 5 for discussion)

Contributed talk: 20 minutes (15 + 5 for discussion)

Poster talks: 2 to 5 minutes