

**ACADEMIA ROMÂNĂ – FILIALA CLUJ-NAPOCA**  
**OBSERVATORUL ASTRONOMIC CLUJ-NAPOCA**  
**AL INSTITUTULUI ASTRONOMIC AL ACADEMIEI ROMÂNE**

**UNIVERSITATEA BABE -BOLYAI CLUJ-NAPOCA**  
**FACULTATEA DE MATEMATICĂ ȘI INFORMATICĂ –**  
**OBSERVATORUL ASTRONOMIC**  
**FACULTATEA DE FIZICĂ – DEPARTAMENTUL DE FIZICĂ**  
**BIOMEDICALĂ, TEORETICĂ ȘI SPECTROSCOPIE MOLECULARĂ**

**Joi, 29 Mai 2014**

Observatorul Astronomic Cluj-Napoca, Str. Cire ilor nr. 19

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**CHALLENGES IN ASTRONOMY, ASTROPHYSICS AND  
SPACE SCIENCE  
SYMPOSIUM**

**Ora 10:00**

D. PRICOPI, Marian Doru URAN, Solar-like oscillations in the red giant star KIC 3758458 observed by *Kepler*

Mirel BÎRLAN, *Physics of binary asteroids via astronomical observations*

Dan Alin NEDELICU, *Evidences for a second parent body of H chondrites*

Marian MUREȘAN, *On the optimal guidance for Lunar ascent*

*Coffee break*

**Ora 11:40**

Ferenc SZENKOVITS, *In memoriam Vasile MIOC and Rodica ROMAN*

Mihai B. RBOSU, Ciprian CHIRUȘ, Tiberiu OPROIU, *Rein's model for the restricted three-body problem with drag*

Cristina BLAGA, *Timelike geodesics around a charged spherically symmetric dilaton black hole*

Iharka SZÜCS-CSILLIK, Rodica ROMAN<sup>†</sup>, *Generalized regularization*

Ovidiu C. FURDUI, *Numerical solar system exterior. Oort cloud dynamics*

**CHALLENGES IN ASTRONOMY, ASTROPHYSICS AND  
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SYMPOSIUM**

**Ora 16:00**

Tamás BORKOVITS, *Analytic Approach to ETV Analysis of Eccentric Binaries with Close Tertiaries*

Cristian Eduard RUSU, *Subaru telescope adaptive optics observations of gravitationally lensed quasars*

Dana FICU -VICA , Elias BRINKS, Deidre HUNTER, Bruce ELMEGREEN, Michael RUPEN, Adam LEROY, Fabian WALTER, Caroline SIMPSON and the LITTLE THINGS Team, *Two little things: DDO133 AND DDO168 revealed*

Norbert MAGYAR, Alexandru MARCU, Gabriela MOCANU, *Numerical simulations of transverse coronal loop oscillations in cooling plasma*

*Coffee break*

**Ora 17:40**

Tibor HEGEDUS, *Reserved subject*

Bogdan D NIL , Gabriela MOCANU, Alexandru MARCU, *Statistical results on observed optical intra-day variability of BL Lac S5 0716+714*

Alexandru POP, C lin VAMO , *Methodology for the investigation of low level signals in astronomical time series. The case of ER Vulpeculae*

erban ON ANU-CR CIUN, *GPU-enabled simulations of stellar clustering with cold dark matter and scalar field dark matter*

Alexandru POP, Vlad TURCU, Dan MOLDOVAN, Liviu MIRCEA, *Orbital period variability of Z Draconis. Preliminary results*

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**Vineri, 30 Mai 2014**

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**CHALLENGES IN ASTRONOMY, ASTROPHYSICS AND**  
**SPACE SCIENCE**  
**SYMPOSIUM**

**Ora 10:00**

Mihai B RBOSU, *Academic Programs in Astronomy: Europe vs North America*

Remus BOAT , *A simple model based on Takagi-Sugeno fuzzy procedure for forecasting daily global solar radiation in Timi oara*

Paul DOLEA, Vlad DASC L, Octavian CRISTEA, *Science camp for teenagers: an interdisciplinary education and outreach programme in the field of astronomy and space technologies*

Vlad TURCU, Liviu MIRCEA, Tiberiu OPROIU, Dan MOLDOVAN, Alexandru POP, *AMHEOS project. Reduction methods*

*Coffee break*

**Ora 11:40**

Diana CONSTANTIN, *Gravitational redshift in the Schwarzschild problem*

Nicolae Mihail TONCEA, Andrei STAN, Octavian CRISTEA, Paul DOLEA, *A progress report on developing a national space strategy in Romania*

Doina IONESCU, *The dacians and their astronomy in the Spanish mythology*

**ACADEMIA ROMÂN**  
COMITETUL NA IONAL ROMÂN DE ASTRONOMIE

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**TRENDS IN  
ASTRONOMICAL RESEARCH AND EDUCATION  
IN ROMANIA**

**OPEN DEBATE**

**Ora 16:00**