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

UNIVERSITATEA BABEŞ-BOLYAI CLUJ-NAPOCA
FACULTATEA DE MATEMATICĂ ŞI INFORMATICĂ –
OBSERVATORUL ASTRONOMIC
FACULTATEA DE FIZICĂ – DEPARTAMENTUL DE FIZICĂ
BIOMEDICALĂ, TEORETICĂ ŞI SPECTROSCOPIE MOLECULARĂ

Miercuri, 23 mai 2012, ora 9,00

Observatorul Astronomic Cluj-Napoca, Str. Cireşilor nr. 19

SYMPOSIUM

**DYNAMICAL AND PHYSICAL PROCESSES IN
CELESTIAL BODIES – AN ASTROPHYSICAL INSIGHT**

Tibor HEGEDÜS (Baja Astronomical Observatory, Baja, Hungary), *A new research effort in Hungary: national videometeor observing network, and its very first experiences*

Alexandru MARCU, *Applications of Klein-Gordon equation in the slow mode coronal oscillations*

Ferenc SZENKOVITS, *Central configurations of four equal masses*

Tiberiu OPROIU, Mircea LIVIU, Vlad TURCU, *The influence of the solar activity on the motion of the Vega launch cubesats*

Rodica ROMAN, *Robe's problem versus Roche's problem*

Coffee break

Raluca Gabriela MOCANU, *Effects of a general relativistic metric on the stochastic oscillations of an accretion disk*

Stefan BERINDE, *Simulation of gravity fields using cellular automata*

Iharka SZÜCS-CSILLIK, *Overview on the regularization of circular restricted three-body problem in "similar" coordinate systems*

Ovidiu FURDUI, *Planetary Disk Evolution and Planet Formation*

Norbert MAGYAR, *Effect of structuring and shape on coronal loop oscillations*

Ora 16,00

Elvira BOTEZ, *Contribuţii româneşti la cercetarea fotografică a polului nord ceresc şi autorii lor*

Tamas BORKOVITS (Baja Astronomical Observatory, Baja, Hungary), *Analysis of long-term Kepler light curve and eclipse timing variation of the triply eclipsing hierarchical triple system HD 181068*

Alexandru POP, Vlad TURCU, *BH Virginis: multiperiodic versus monoperiodic orbital period modulation*

Vlad TURCU, Dan MOLDOVAN, *Asteroid 433 Eros – VIc CCD light curves at 2012 close approach*

Alexandru POP, Călin VAMOŞ, *CK Bootis: Questions awaiting answers*