

PROGRAMME

OF THE

SEPTEMBER MEETINGS

*organized by the
Astronomical Institute of the Romanian Academy
with the financial support from UNESCO-ROSTE*

Bucharest, Romania, September 16–18, 2005

I. Scientific session

"Scientific Programs and Astronomy Education in SEE & Ukraine"

Every talk must not exceed 15 minutes, discussion included.

FRIDAY, SEPTEMBER 16

9.00 – 10.15: Registration

10.15 – 11.30: Official opening and Session 1

Z. Aslan, R. Gumerov, L. Hudkova, A. Ivantsov, I. Khamitov, A. Nemtinov, G. Pinigin

Observational programs of selected minor planets for the RTT150 within the international cooperation

P. Popescu, R. Popescu, P. Paraschiv, A. Nedelcu, O. Badescu
Astrometric calibration of stellar clusters

A. M. Mickaelian
The Armenian Virtual Observatory – ArVO

P. Popescu, R. Popescu, P. Paraschiv, A. Nedelcu, O. Badescu
CCD astrometry using ground-based telescopes

L. Serbanescu, M. Caramihai

Dynamical systems of data management in astronomy

11.30 – 12.00: Coffee break and Posters

12.00 – 13.15: Session 2:

D. Selaru, V. Mioc, C. Cucu-Dumitrescu

The Gylden-type problem: more refined solutions

C. Cucu-Dumitrescu, V. Mioc, D. Selaru

Resonances of the Gylden-type problem

R. Roman

Photogravitational restricted three-body problem. Considerations regarding the test particle's role in the Roche geometry

D. Pricopi, V. Mioc, M. Stavinschi

Equilibria of the Henon-Heiles' two-body problem

D. Pricopi

Study of stability in the extended one-zone stellar model

13.30 – 15.00: Lunch

15.00 – 16.45: Session 3

N. A. Popescu

Photometric redshifts technique for galaxies clustering detection

M. D. Suran

Signals in correlation functions at 120 Mpc related to CMB

A. S. Popescu

Dimension embedded in unified symmetry (DEUS): Quantum Implications

C. Demetrescu, V. Dobrica

Solar activity signature in the time evolution of the geomagnetic field

A. Oncica, G. Maris

North-South asymmetry of the sunspots

C. Dumitrache

Coronal hole – MHD numerical simulation

G. Maris, D. Ionescu, A.-C. Donea

Helioseismic waves and solar cycles

16.45 – 17.15: Coffee break and posters

17.15 – 18.30: Session 4

K. Panov

Search for pulsations in B and A stars. The problem of “Maia”-variables

T. Hegedus, J. Nuspl, N. Markova, H. Markov, H. Rovithis-Livaniou, I. Vince, J. Vinko

The Central-East-South European Binary Star group: some first results

E. Antonopoulou, N. Nanouris, G. Kontogiannis, G. Giannikakis, O. Dionatos

First photometric observations of some selected eclipsing binaries

I. Voloshina

**The program of photometric study of cataclysmic variables in Sternberg
Astronomical Institute**

M. D. Suran

Stellar seismology for COROT mission

18.30 – 19.30: Visit of the Astronomical Institute

20.00 – 21.30: Dinner

POSTERS

M.-C. Anisiu

Families of orbits in conservative fields of Hénon-Heiles type

G. Bocsa

Computation of asteroid ephemeris

C. Chiruta, T. Oproiu

Note on the photogravitational, restricted, circular three-body problem

A. Dragusan, S. Lupu

Methods for representing the gravitational potential

D. Ionescu, A.-C. Donea, P. Cally, C. Lindsey

Significant seismic activity in AR10720

M. Mierla, R. Schwenn, L. Teriaca, G. Stenborg, B. Podlipnik
Solar wind analysis using LASCO-C1 spectral data

A. Pop, M. Barbosu
On the Detection of Outliers in O-C Curves

A. S. Popescu
Dimension of embedded in unified symmetry (DEUS): classical aspects

M. D. Popescu, J. G. Doyle
Where are the roots of the fast solar wind?

P. Popescu, R. Popescu, P. Paraschiv
ICRF northern sources observed in Belgradchik

P. Popescu, R. Popescu, P. Paraschiv, A. Nedelcu, O. Badescu
Local scale geoid determination – methods

P. Popescu, R. Popescu, P. Paraschiv, A. Nedelcu, O. Badescu
Polar robotic telescope

S. A. Roman, P. L. Biermann
The black holes distribution in a 50 Mpc neighborhood. Statistical approach

H. Rovithis-Livaniou, A. Jones
New observations of AR Pavonis

V. Turcu, D. Moldovan
Processing time contacts for 2004 Venus transit using the Hough transform

SATURDAY, SEPTEMBER 17

10.00 – 11. 30: Session 5

M. Stavinschi
Astronomers and public education

Z. Aslan
The total solar eclipse of 2006 in Turkey

G. Pinigin, E. Linova, Zh. Pozhalova, G. Petrov, N. Olshanska
Nikolaev Astronomical Observatory – a historical, astronomical, and architectural monument of the Northern Black Seashore

R. Konstantinova-Antova, L. Iliev, N. Markova, I. Iliev, D. Kolev, N. Tomov
Practical Summer School on spectroscopy at Rozhen observatory

O. Atanackovic-Vukmanovic
Astronomy education in Serbia and Montenegro

H. Rovithis-Livaniou, P. Rovithis
The cycle of Meton and the 86th Olympiad

11.30 – 12.00: Coffee break and posters

12.00 – 13.00: Round table and conclusions

End of the scientific session

13.00 – 14.30: Lunch

20.00 – 21.30: Dinner

II. Third meeting of the Sub-Regional European Astronomical Committee

SUNDAY, SEPTEMBER 18

10.00 – 11.30: **First part of the meeting**

11.30 – 12.00: **Coffee and tea**

12.00 – 13.30: **Second part of the meeting**

13.30 – 15.00: **Lunch**