

## International Scientific Conference

# "Research of Artificial and Natural NEOs and other Solar System Bodies with CCD Ground-based Telescopes"

Nikolaev, Ukraine on May 17-20, 2004

## RESOLUTION

From 17 till 20 May, 2004 in Nikolaev, Ukraine, in the Research Institute "Nikolaev Astronomical Observatory" the international scientific Conference "Research of Artificial and Natural NEOs and other Solar System Bodies with CCD Ground-based Telescopes" took place under financial support of UNESCO-ROSTE within the framework of the Project "Enhancing Astronomical Research and Observation in South East Europe and in Ukraine". 59 representatives of 19 astronomical institutions from 7 countries of the Central and South East Europe (Denmark, Latvia, Poland, Russia, Romania, Serbia, Ukraine) took part in the conference. There were 9 Doctors of Science, 19 Philosophy Doctors, and also 13 young scientists among them. During 4 days there were presented and discussed 30 oral papers (among them 7 invited) and 20 posters.

The main theme of the conference was devoted to the contemporary observations of objects of the near-Earth space (artificial satellites, near-Earth Asteroids) and other bodies of the Solar System. The aim of the conference was to acquaint oneself with an experience of the others, to discuss results of the research on the mentioned above list of objects with contemporary CCD methods, and also to coordinate new programs for research the near-Earth Objects and Solar System Bodies, to expand and to deep scientific collaboration of the RI NAO with foreign and domestic organizations.

### **The conference recognizes**

- 1) High activity in groundwork and the use of new detector devices on the base of CCD in research institutions and observatories in Ukraine, and also countries of the South-East Europe;
- 2) Successful scientific collaboration within the framework of active international programs, expanding and resumption of the early existing forms of mutual and joint collaboration between astronomical organizations of Ukraine and such countries, as Bulgaria, Poland, Russia, Romania, Serbia, Slovakia, the Czech

Republic, Turkey.

**The conference considers necessary** with a purpose of more active development of astronomical research in Ukraine and the use of scientific potential of the countries of the South-East Europe region to emphasize the next topical directions of the scientific collaboration on regional or more higher level:

- 1) Expanding of the international collaboration on the problem of asteroid-comet hazards on the base of actively working observatories and groups of this theme;
- 2) Participation in international projects for supports of space missions to comets and asteroids; co-operation for ground-based provision of international program “GAIA FOLLOW-UP” of ESA project “GAIA” in the field of small bodies of the Solar System;
- 3) Co-ordination of efforts on the research of artificial space objects and space debris in the near-Earth space on the modern technical base;
- 4) Co-operation for expansion of access to Internet and common mutual use of astronomical data and archives of collaborated observatories of the South East Europe and in Ukraine within the framework of virtual observatory of Regional or international (IVOA) character.

**The conference suggests and proposes**

- 1) To approve some interesting suggestions concerning Ukrainian observatories, as to establish Ukrainian program on asteroid-comet hazard research with the aim of active participation of Ukraine as a space country in the international program “Spaceguard” (IA KhNU); to establish a cooperative network for observations of occultations of stars by the Moon and asteroids (AO KNU); to approve developed in MAO NAS of Ukraine a project of a program for research of comets and asteroids and suggestion to prepare on its base a perfect version, using the last technical, methodical guidelines and observation experience in other observatories;
- 2) To apply to Ukrainian Astronomical Association with a suggestion to consider necessary organizing steps for realization these suggestions based on the Program of scientific and investment priorities of Ukrainian astronomy for 2004-2011 and according to decisions of the VI UAA General Meeting (October 8, 2003, Kiev).

**Conference recognize**

- a decisive meaning of the financial support of the UNESCO-ROSTE within the framework of the project “Enhancing Astronomical Research and Observation in South-East Europe and Ukraine” for effective scientific co-operation, in particular, which has allowed to hold this timely conference with participation of well-known scientists and young astronomers;
- a precise organization and coordination of Organizing Committee in the holding

conference.

**Participants of conference express** a sincere acknowledgement to the Organizing Committee for choosing a theme, which is close to the contemporary tendencies of astronomical research, for successful conference and the financial support for participants and hospitality.

Resolution was carried at the final session on May 20, 2004.