



Symposium's Objectives.

The Symposium's Organizing Committee would like to gather experts and representatives of international scientific societies, for open and comprehensive discussion on the topics of global human security, political, economic, social and ecological aspects of space exploration. In the framework of the agreement between the Russian Academy of Cosmonautics and the International Academy of Astronautics (IAA) supported by its members from USA, France, Germany, Italy, Ukraine, India, China, Tunisia, Nigeria, the symposium will also discuss the themes of the IAA study group established for exploring the IGMASS's creation and its extensive application to the Human society in view of making a cosmic study.

Main subjects of the Symposium:

- 1. Space Exploration and Global Problems of Humanity and Modern Age (Section I).** Space activities and sustainable development; the role of advanced space technologies, in reducing of the risks and threats as well as disaster management and dramatic consequences of natural phenomena and technogenic events of the Modern Age. Philosophical aspects of cosmonautics: development of the ideas of "cosmism" and cosmic consciousness issues.
- 2. Foreseeable profile of International Global Monitoring Aerospace System – IGMASS (Section II).** Purposes of creation, main tasks, variants of deployment and functioning of the system; principles of IGMASS creation, system management, aerospace monitoring data acquisition,

compilation and acceptance; economical aspects of the IGMASS's creation, development and utilization, role of IAA activities in field of IGMASS creation.

- 3. Global aerospace monitoring methods and techniques (engineering) of natural phenomena, emergency technogenic disasters and catastrophes (Section III).** Opportunities for using existing and future orbital, airborne and ground technical facilities, appropriate engineering aerospace monitoring for both forecasting of natural phenomena (earthquakes, tsunamis, volcano eruptions, flooding, billows etc.) and predicting of emergency situations and technogenic casualties; environmental, ecological monitoring of the Earth's surface and circum-terrestrial space by using Remote Sensing Control technologies; monitoring of local war zones, terror threats and risks, narcotic trafficking and pirates routs.
- 4. Up-to-date technologies of aerospace monitoring data acquisition and compilation and acceptance (Section IV).** Technologies of aerospace monitoring data collecting, computer handling, multi-dimensional interpretation and processing, including "neo geography" methodology.
- 5. Development of distant learning (tele-education) and impact of using IGMASS' informational resources (Section V).** IGMASS and solving global human issues such as illiteracy, freedom of informational exchanges; specialist training in the fields of global aerospace monitoring; development of distant learning (education) international institutions; issues of united educational sphere establishment, based on contemporary information and aerospace technologies.

First Specialized International Symposium SPACE & GLOBAL SECURITY OF HUMANITY

Symposium supported by the UN-OOSA,
the Russian Federal Space Agency
and the Ministry of Foreign Affairs of Russia.

This scientific forum has been organized to consider the issues and prospects of the creation of International Global Monitoring Aerospace System (IGMASS), to solve global issues of contemporary humankind and to guarantee seismic, ecological and geophysical security, preventing global risks and threats of the XXI century and developing forms and methods of education on a global scale.

Organizers:
International Academy of Astronautics (IAA);
Russian Academy of Cosmonautics named after
Konstantin E. Tsiolkovsky (RAC);
International Association ZNANIE.

November 2-4, 2009
Limassol, Cyprus



Official languages: English and Russian

www.spacesystems.ru

Messages from Organizational Committee



Committee Co-Chair
Secretary General of the
International Academy of Astronautics
(IAA)

Dr. Jean Michel Contant



As world leaders discuss a future in space that includes ambitious multinational projects such as a lunar base and the eventual colonization of Mars, the Academy has embarked upon a series of studies to provide decision-makers an unbiased scientific and technological basis for their commitment to these programs. In the first phase of an IAA ambitious study on a major project for establishing an International Aerospace System (IGMASS), the initiative is to host an IAA Symposium "Space & Global Safety of Humanity" on November 2-4, 2009 in Cyprus. The Academy will help to bring international experts together to encourage fruitful discussions, and is going to engage the United Nations in this project as they have the same goals and plans.



Committee Co-Chair, President of
International Association ZNANIE,
Chairman of Interstate Committee
of CIS on Knowledge Promotion
and Adult Education

Dr. Efim M. Malitkov



...Humankind can prevent natural and technogenic disasters only if he is well educated, powered by the necessary knowledge and maintain a high level of intelligence. Knowledge is part and parcel of global security and in this age of constant information updates, security is only obtainable if we use a new educational approach in the foundation of common education and scientific space. By utilizing up to date information and making use of modern telecommunication as well as space technology this can be achieved.

Special Message from the Head of Federal Space Agency of Russia (ROSCOSMOS)



Head of Federal Space Agency
of Russia (ROSCOSMOS)

General Anatoliy N. Perminov



The evolution in Humanity has changed the face of our planet. Global security is defined by the scale of problems facing our civilization. It is through the development of alternative power sources that will ensure our survival and protection against natural disasters and technogenic catastrophes. Solutions to these global issues are closely connected to the efficient development and co-operation of leading world countries and their use of aerospace for reducing dangers and mitigation of dangerous events in Earth's life. Only through a joint effort from all countries concerned, we can provide effective and short-term global forecasts both natural and artificial destruction events. The International symposium 'Space & Global Security of Humanity' is a further step in the development of intergovernmental cooperation for the creation of world's first really international wide-scale aerospace system for solving global and so important issues of our future.



Committee Co-Chair,
Russian Academy of Cosmonautics
named after Konstantin E. Tsiolkovsky,
Vice President

Dr. Valery A. Menshikov



First off all I'd like to invite you to join us for the First Specialized International symposium 'Space & Global Security of Humanity.' The purpose of this symposium is to study variety of aspects of the creation of IGMASS for the monitoring of global Earth phenomena. Effective development and joint use of potential capabilities of aerospace systems, advanced Earth monitoring and data processing technologies can be developed by world countries. We hope that our symposium will attract the attention of the world's society, notably scientific and industrial institutions and companies to promote international cooperation in science and culture, with the development of common educational and scientific space.

REGISTRATION

We kindly advise you to check the IAA web:
<http://iaaweb.org/content/view/370/520/> and the Symposium
Web Site: <http://www.spacesystems.ru>

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PRELIMINARY SYMPOSIUM PROGRAMME

November 2, Monday	
9.00-10.30	Registration of Symposium's delegates
10.30-11.00	Symposium's Inauguration Ceremony with the participation of Honorable Guests
11.00-11.30	Coffee Break
11.30-13.00	Plenary Meeting
13.00-13.30	Open Discussion
13.30-14.30	Lunch Break
14.30-17.00	Break-out sessions (in the framework of 5 sections)
19.00-21.00	Reception on behalf on Symposium's Organizers
November 3, Tuesday	
10.00-13.00	Break-out sessions (in the framework of 5 sections) with two Coffee Breaks
13.00-14.00	Lunch Break
14.00-19.00	Guided tour on Cyprus Seashore
19.00-21.00	Dinner on behalf of Cyprus Tourist Organization
November 4, Wednesday	
9.00-10.00	Drawing up of Delegates documents
10.00-13.00	Break-out sessions (in the framework of 5 sections) with two Coffee Breaks
13.00-14.00	Lunch Break
14.00-17.00	Break-out sessions
17.00-18.00	Conclusion Plenary Meeting (adoption of main Symposium's documents)
18.00-19.00	Symposium's Closing Ceremony. Spreading of Honourable Awards of IAA and RAC. Gala-concert.
19.00-21.00	Farewell Buffet-cocktail
November 5-7, Thursday-Saturday	
Separate programmes	Visiting of Cyprus Profile Enterprises, meetings, IAA new-elected members presentation, scientific and cultural events, open discussions etc.