



# The 2<sup>nd</sup> International Symposium Space & Global Safety of Humanity (SGS 2010)

Riga, Latvia. 5-8 July 2010



## PURPOSE

The purpose of the conference is to bring together academics and professionals from all over the world to discuss the themes of the conference:

1. Space Exploration and Global Problems of Humanity and Modern Age.
2. Planned Profile for the International Global Aerospace Monitoring System (IGMAS)
3. Technologies, Methods and Means for the Global Aerospace Monitoring of Natural and Man-Made Disasters and Emergencies.
4. Common Information Environment of IGMAS.
5. Partnership and Co-operation for Use of IGMAS Facilities.
6. Education and Training within the Frame of Space Exploration and Global Problems of Humanity.

The special focus of Symposium will be:

1. Modern strategy of an outer space exploration in interests of the states of the North Europe and Baltic Sea region (ecology preservation, safety of transportation of cargoes and preparation of experts in the field of space activity and applied use of its results, the prevention of emergency situations of natural and man-caused character)
2. The project of Concept IGMAS:
  - The purposes, problems, requirements, shape, structure;
  - Methods, technologies and means of forecasting of emergency situations of natural and man-caused character;
  - Uniform information field IGMAS: use of navigating and telecommunication resources of system in interests of the decision of humanitarian problems (liquidation of consequences of force majeure, remote training, medicine of accidents and another);
  - Political, legal, organizational, financial and technical aspects of creation and use IGMAS.
3. The organization of scientific researches with a view of technical realization of Concept IGMAS.

## OFFICIAL LANGUAGES

English and Russian will be the official languages of the Conference.

## ORGANIZERS

International Academy of Astronautics (IAA)  
Russian Academy of Cosmonautics named after K. Tsiolkovsky (RAC)  
International Association ZNANIE (IAZ)  
Transport and Telecommunication Institute (TTI), Latvia

## SUPPORTED BY

Riga City Council (Latvia)  
Latvian Academy of Science (Latvia)  
Latvian Civil Aviation Agency (Latvia)  
Latvian Transport Development and Education Association (Latvia)  
Telecommunication Association of Latvia (Latvia)  
Latvian Operations Research Society (Latvia)

## HOSTED BY

Transport and Telecommunication Institute (Latvia)

## CONFERENCE COUNCIL

Jean Michel Contant, IAA, Secretary General, France  
Valery A. Menshikov, RAC, Vice President, Russia  
Efim M. Malitkov, IAZ, President, Russia  
Igor Kabashkin, TTI, President, Latvia

## PROGRAMME COMMITTEE

- Dr. Vassilios G. Cassapoglou, Ass. Prof., International Law Member, International Academy of Astronautics Corresponding Member, COMEST-UNESCO Off Legal Counsel (Space & Telecommunication matters), MFA Chairman, WG on Review & Application of 5 UN Space Treaties, UN-COPUOS.
- Ph.D. N.G. Kutyin, Head of the Russian Federal Service for Ecological, Technical and Atomic Supervision (RosTehNadzor), Russia;
- Dr. Rainer Sandau, German Aerospace Center DLR Chief Scientist, Germany;
- Prof. Carlo Uliviery, Sapienza, University of Rome, Head of Department of Aerospace and Astronautics Engineering, Italy;
- Wu Meirong, China;
- Dr. G.A. Popov, Head of Research Institute for Applied Mechanics and Electrodynamics, Member of the Russian Academy of Sciences;
- Dr. A.A. Medvedev, IRKUT Aviation Corporation. Chief Vice-President, Russia;
- Mohamed Laoucet Ayari, Ball Aerospace & Technologies Corp., University of Colorado at Boulder Consultant Staff Member Adjunct Professor, Tunisia;
- Ph.D. A.V. Degtyaryov, First Deputy Designer General Director General of Yangel Yuzhnoye State Design Office, IAA, Ukraine;
- Takashi Moriyama, Earth Observation Research Center Space Applications Mission Directorate, Japan;
- S.K. Krikalyov, Chief of the State Organization "Gagarin Research & Test Cosmonaut Training Center", Russia;
- Tomukum Chia, Academician IAA, Regional Secretary IAA, Director Space Application.-GLOCECOHADIM AFRICA: Global Centre for Compliance, Hazards and Disaster Management, Cameroon.
- Dr. Yury Urlitchitch, Federal State Unitary Enterprise "Russian Institute of Space Device Engineering", Chief Designer and Director General, Russia;
- Dr. Talgat A. Musabayev, The Chairman of National Space Agency of the Republic of Kazakhstan, Republic of Kazakhstan;
- Ph.D. A.A. Zinchenko, Professor, National Space Agency of Ukraine;
- S.A. Zolotoy, Geoinformation Systems, Director, Belarus;
- V.V. Kirillov, Federal Service for Supervision of Nature Resources, Ministry of Natural Resources, Russia;
- M.I. Iolov, Tadjikistan Academy of Sciences, member of the Academy of Sciences, Tadjikistan;
- Dr. Pyotr Getsov, Professor, Space Systems Research Institute of the Bulgarian Academy of Sciences, Bulgaria;
- Dr. Milind Pimprikar, Founder & Chairman CANEUS International, and Centre for Large Space Structures & Systems. Montreal, Canada.

- N.A. Testoyedov, Academician M.F. Reshetnev NPO PM General designer and General director, associate member of RAC, Russia;
- Professor, Dr.habil.sc.ing. Igor V. Kabashkin, Transport and Telecommunication Institute, President, Member of the Technical Committee on Transport of the European Commission for Cooperation in the Field of Scientific and Technical Research, Corresponding Member of the Latvian Academy of Sciences, Latvia.
- Dr. Boris Pukl, the Jozef Stefan Institute, Deputy Director, Slovenia.
- Professor Tamaz Chelidze, Corresponding Member of Georgian Academy of Sciences, President of Georgian Geophysical Association, Chairman of Scientific Council of M. Nodia Institute of Geophysics, Director of European Centre "Geodynamical Hazards of High Dams" of Council of Europe Chairman of National Committee of Disaster Risk Reduction, Georgia.
- Dr. Haeusler Bernd, Prof. of Universitaet der Bundeswehr, Germany.
- Dr. Elod Both, Director of HSO Hungarian Space Office (HSO), Hungary.
- Dr. Dumitru-Dorin Prunariu, President of the Romanian Space Agency, Romania
- Dr. Sergei Chernikov, OOSA UN.
- Professor Dr. Peter Kramer, President IFR. Germany.
- Mason H.Soule, International Market Development Group. Battelle. USA.
- Doubovick Michel, Vice president ARIANESPACE. France.
- Margaret W.Maimba, National Council for Science & Technology. Kenya.
- Prof. Dr. KYI SOE. Ministry of Science and Technology, Nay Pyi Taw, Myanmar.
- Bashir Muhammad Khalid. Deputy Director. Strategic Plans Division, Pakistan.
- Dr. Andre Husson, Centre National d'Etudes Spatiales, CNES. France.

#### ORGANIZING COMMITTEE

V. A. Menshikov, RAC, Vice President, Russia – Co-Chairman  
 Igor Kabashkin, TTI, President, Latvia – Co-Chairman  
 Eugenie Tsadikovskiy, RAC, Russia – Coordinator  
 Sergey V. Pushkarsky, RAC  
 Sergey V. Cherkas, RAC  
 Sergey R. Lysyy, IAA

#### LOCAL ORGANIZING COMMITTEE

Igor Kabashkin, TTI, President, Latvia – Chairman  
 Irina Yatskiv, TTI, Vice-Rector, Latvia – Vice-Chairman  
 Max Paperno, SPS-UNE Ltd, President, Latvia – Co-ordinator  
 Elena Rutkovska, TTI, Manager of International Projects, Latvia – Secretary

#### DEADLINES AND REQUIREMENTS

Submission of abstracts:	<b>19<sup>th</sup> April,</b>	<b>2010</b>
Acceptance of abstracts:	<b>25<sup>th</sup> April,</b>	<b>2010</b>
Submission of final papers:	<b>22<sup>nd</sup> May,</b>	<b>2010</b>
Early registrations:	<b>30<sup>th</sup> April,</b>	<b>2010</b>

Abstracts (about 600 words in length) submitted for review and papers should be in English and, should present a clear and concise view of the motivation of the subject, give an outline, and include information on all authors (the full name, affiliation, address, telephone number, fax number, and e-mail address of the corresponding author).

Submitted abstracts will be reviewed. Accepted and invited papers will be published in the Proceedings of the conference and in the journal "Transport and Telecommunication" (ISSN 1407-6160).

Instruction for preparing of the papers can be found on the conference WWW page: <http://spacesystems.tsi.lv>.

#### REGISTRATION FEE

Category		Participation Fee (EUR)	
		Early Before 30.04.2010	Late After 30.04.2010
A	Full Participation Fee	300	350
B	Members of the International Academy of Astronautics and Russian Academy of Cosmonautics	150	200
C	PhD Student Participation Fee	150	200
D	Accompanying Person	100	100

#### VENUE

Riga is the capital of the Republic of Latvia. Thanks to its geographical location, Riga has wonderful trade, cultural and tourist facilities. Whilst able to offer all the benefits of a modern city, Riga has preserved its historical charm. It's especially famous for its medieval part – Old Riga. Old Riga still preserves many mute witnesses of bygone times. Its old narrow streets, historical monuments, organ music at one of the oldest organ halls in attract guests of our city. In 1998 Old Riga was included into the UNESCO list of world cultural heritage.

#### ACCOMMODATION

A wide range of hotels will be at the disposal of participants of the conference and accompanying persons ([http://eng.meeting.lv/hotels/latvia\\_hotels.php](http://eng.meeting.lv/hotels/latvia_hotels.php)).

#### FURTHER INFORMATION

**Elena Rutkovska**, Secretary of the Organizing Committee, 2<sup>nd</sup> International Symposium "Space & Global Security of Humanity" (SGS 2010).

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