REGISTRATION

To partially offset the cost of the Symposium, there will be a registration fee in the order of €80 that will cover admission to the sessions, the symposium digest, a copy of the proceedings published after the symposium, coffee breaks and lunch. All participants are invited to use the Registration Page of the Conference from the Romanian Space Agency (ROSA) Conference System:

http://events.rosa-rc.ro/

The payment of the registration fee can be made:
- on line
- by credit card or bank transfer, instructions can be found on the Registration Page
- on-site at the Registration Desk

Participants are advised to indicate their flight details when registering. If your travel arrangements change, please let us know at the following email address: events2012@rosa.ro

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SUMMIT FOLLOW-ON STUDY

In the framework of the IAA Summit follow-on activities an international cooperation project open to an unprecedented number of countries is being investigated. An IAA Cosmic Study is being undertaken on small space systems and critical infrastructures. This project supported by the Romanian Space Agency (ROSA) and open to a large number of space fairing and space emerging countries (capacity building), would be a valuable Space Situational Awareness response.

Call for Papers

1st IAA Conference
on Space Systems as Critical Infrastructures

September 6-7, 2012
Mamaia, Black Sea, Romania

How economies, health, ecology and governments would be affected by satellites shutdown, and what would be the financial and legal consequences?

International Academy of Astronautics &
Romanian Space Agency (ROSA)
co-sponsored by the
International Institute of Space Law (IISL)
OBJECTIVES

Space systems are considered as most stable human artifacts against possible global disasters on the Earth. Major provider of solid and safe communications, unique source of Earth large scale images and source for permanent global positioning, they ensure relevant planetary informational needs. Space systems are unique in monitoring and protecting the Earth against major threats, as global changes or catastrophic collisions. In the same time, the possible vulnerabilities of space systems are induced by cosmic threats or by military and terrorist disruption or dysfunction.

The operational space capacities are constantly developing and space services are more and more integrated in current societal and individual applications. One might assume that at a certain level of integration, the civilization on planet Earth will become dependent on space assets.

The main objective of the symposium is to generate a frame to elaborate a qualitative and quantitative assessment of the degree of criticality of space systems as essential infrastructures for the Earth civilization, to:
- estimate the critical dependence of basic Earth activities, as basic infrastructures and life, on the functioning of space systems;
- evaluate vulnerabilities of space systems against natural and human made threats;
- generate the quantitative approach to produce recommendations for space agencies and political stakeholders regarding actual utilization and future needs of critical space systems.

Areas of interest include, but are not limited to
- dependency of critical infrastructures (CI) on space critical infrastructures (SCI); external threats: space weather (radiations), atmosphere, natural cosmic debris, artificial space debris, natural terrestrial debris; internal threats: electronic interference, laser attack on satellite sensors destruction, electromagnetic pulse from a nuclear explosion, cyber attacks.
- Case studies on telecommunications, global positioning systems & Earth observation

The official language will be English.

SCHEDULE

July 15, 2012 Call for Papers
August 15, 2012 Abstracts Due
August 20, 2012 Notification to authors
August 25, 2012 Final Announcement
Sept 1st, 2012 Final paper due (max. 8 pages)
Sept 6 - 7, 2012 1st Conference
November 2013 Proceedings

CALL FOR PAPERS

You are invited to contribute a paper for presentation at the symposium. A one-page, single-spaced abstract of no less than 300 and no more than 500 words should be received by

15 August, 2012.

Abstracts should be in English and should include the symposium topic addressed, the problem explored, the methodology used, results and conclusions so as to allow the Scientific Program Committee to make an informed decision regarding their suitability for inclusion into the conference.

Notification of your paper's acceptance and author's instructions will be sent by 20 August 2012.
Send your abstract by e-mail to: sgeneral@iaamail.org

TRAVEL & TRANSPORTATION

Transportation service will be provided from Henri Coanda International Airport to the venue and back (230 km, approx. 3h by car) on a schedule that will be available for the registered participants.

ACCOMODATION INFORMATION

Venue: Hotel Golden Tulip Mamaia
Constanta, code 900001, Romania
Phone: 0040-341 446 732
Fax: 0040-341 446 731
Email: reservations@goldentulipmamaia.com
Website: www.goldentulipmamaia.com

Participants are invited to fill in the hotel reservation form that can be found on the Registration Page.