Modern societies are highly dependent on the continuous operation of critical infrastructures that ensure the supply of crucial goods and services. These include amongst others power supply, drinking water supply, information and communication technologies or waste disposal. Disruptions may have rapid repercussions for the population and the basis of its livelihood and can affect other critical infrastructures through domino effects: a large scale power blackout will also disrupt the water supply, telecommunications, and rail transport.

The utilization of space, nevertheless, also presents new challenges. In a world where the benefits of space permeate almost every facet of our lives, the growing dependence on space systems equates to increasing vulnerabilities. Furthermore, its common application by increasing number of states and non-state entities raise critical questions on the nature of current space governance and policy, including big data management and data ethics.

Consequently, the 6th Conference on Space Systems as Critical Infrastructure attempts to address these tensions in order to build a common rationale and straightforward understanding of the ways in which short and long term space-related action should be framed for the benefit of all actors involved.

**Contact**

For any inquiries, any individual request or further information regarding transportation or accommodation details, please contact Ms. Ulpia Botezatu at ulpia.botezatu@rosa.ro, tel: +4(0) 748 956 958.

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**Call for Papers**

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**6th IAA Conference on Space Systems as Critical Infrastructure**

**August 3-4, 2017**

**Mamaia, Black Sea, Romania**

![Image credit: ESA](Image credit:ESA)

**Disruptive innovation and critical space infrastructure**

![Romanian Space Agency & International Academy of Astronautics](Romanian Space Agency & International Academy of Astronautics)
CALL FOR PAPERS

Romanian Space Agency and the International Academy of Astronautics invites papers for the 6th conference on Space Systems as Critical Infrastructure, which will take place in Mamaia, Romania, August 3-4, 2017.

Abstracts should be in English and should include the symposium topic addressed, the problem explored, the methodology used, results and conclusions. A one-page, single-spaced abstract of no less than 300 and no more than 500 words, must be received by July 17, 2017 at conference@iaamail.org.

The conference will be held in English.

OBJECTIVES

Space systems have become key enablers for a wide variety of commercial, scientific and military applications. The rapid growth of their capabilities has offset some of the size of the required investment and new developments promise an even greater reduction in the cost of space infrastructure. As such, some of the extant space systems have become deeply embedded in the functioning of advanced societies, supporting economies, lifestyles and governance processes. The increasing dependence on certain space systems places them firmly in the area of critical infrastructure, whose disruption or destruction would generate lasting damage. This inclusion into critical infrastructure theory is even more warranted as space systems have become a technological backbone for existing recognized critical infrastructures, such as energy, transportation, administration and others. The reliance of infrastructure systems-of-systems on space based command, coordination and control capabilities during normal functioning, but especially during emergency and crisis situation management processes, means that space systems fulfill the requirements for critical status.

Areas of interest include, but are not limited to:
- external threats of space critical infrastructure: space weather, atmosphere, natural cosmic debris, artificial space debris, natural terrestrial debris
- internal threats of space critical infrastructure on: electronic interference, laser attack on satellite sensors destruction, electromagnetic pulse from a nuclear explosion, cyber attacks

SCHEDULE

July 1, 2017 Call for Papers
July 17, 2017 Abstracts Due
July 21, 2017 Final Announcement
July 28, 2017 Final paper due
August 3-4, 2017 Conference
November 2017 Proceedings

TRAVEL & TRANSPORTATION

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

ACCOMODATION INFORMATION

Venue: Zenith – Conference & Spa Hotel
Phone: +40 372 418 499 Mobile: +40 732 121 601 E-mail: conference@zenithhotel.eu
www.zenithhotel.eu
http://www.topinternational.com

REGISTRATION

To partially offset the cost of the Symposium there is a registration fee of €80 that covers 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/

Registration deadline: July 31, 2017

The payment of the registration fee can be made:
- by credit card or bank transfer;
- on-site at the Registration Desk.

For inquiries regarding payment, please contact conference@rosa.ro.

Participants are advised to indicate their flight details when registering.