



4th IAA Conference on Space Systems as Critical Infrastructure

New trends and threats

6-7 August 2015, Hotel Golden Tulip Mamaia, Romania

Poseidon B Hall, 1st floor

Tentative agenda (Draft 21. 07.2015)

Thursday, 6 August 2015

09:30

Registration

10:00 -10:15

Welcoming remarks

Dr. Fiz. Marius-Ioan Piso - President and CEO, Romanian Space Agency

10:15 – 10:30

Opening remarks

Prof. DSc. Ing. Piotr Wolanski - Committee on Space Research, Chairman - Polish Academy of Sciences

Development of rocket's engines for satellites and small launchers in Poland

Prof. Dr. Adrian Gheorghe - Batten Endowed Chair System of Systems Engineering, Old Dominion University, Norfolk, USA
Extended Threats and Critical Infrastructures

Liviu Muresan - Executive President, EURISC Foundation
'Thinking the Unthinkable' in the protection of critical infrastructures

10:30-12:30

Session 1: Space Systems as Critical Infrastructure

Moderator: Dr. Fiz. Marius-Ioan Piso - ROSA

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Oana Neagu - ROSA

Ulpia Botezatu - ROSA

IAA Study Group Status Report

Alexandru Georgescu - EURISC Foundation
Space Capabilities: Assessing their Criticality as a Tool in Nuclear Governance

Arseni Ștefan-Ciprian - Military Equipment and Technologies Research Agency
The Proliferation and Diversification of Anti-Satellite Weaponry: a Threat to
Space Critical Infrastructures

Andres Sousa - Poza, Mamadou Seck, Adrian Gheorghe - Old Dominion
University, Norfolk, USA
A Systems Approach for the Governance of Space Critical Infrastructures
Discussions, Q&A

12:30-14:00 Working Lunch – Restaurant Golden Tulip

14:00-16:00 Session 2: Data policy, privacy and space law

Moderator: Dorin Prunariu – Romspace

Florin Serban – Terrasigna
Exploring Space Policy: big data, challenges and opportunities

Mihai Datcu - DLR
Future missions for Earth Observation: features and applications

Ion Nedelcu - ROSA
Infrastructure and tools for accessing EO data

Chuck Keating, Adrian Gheorghe – Old Dominion University, Norfolk, USA
A Complex System Governance Framework for Space Critical Infrastructures
Operational Design and Management

Mircea Cernat - ROSA
ESA and national pursuits and initiatives to identify, monitor and prevent the
effects of threats from space

Discussions, Q&A

16:00-18:00 Session 3: Space technologies

Moderator: Piotr Wolanski - Polish Academy of Sciences

Marius Opran - National Institute for Lasers, Plasma and Radiation Physics
Integrated Security Systems for National Strategic Terrestrial
Infrastructure

Mihai Ganciu - National Institute for Lasers, Plasma and Radiation Physics (TBC)

Adrian Gheorghe - Old Dominion University, Norfolk, USA

Space and Earth Critical Infrastructures: Interdependencies in view of Vulnerability due to Orbital Debris Critical Loads

Mirel Birlan - Observatoire de Paris

Monitoring Near-Earth Asteroids in the frame of natural hazards

Alexandru Rusu-Casandra – University Politehnica of Bucharest

Vlad Olteanu - Romanian Space Agency

Disruptions of Global Navigation Satellite Systems and risks to critical infrastructure sectors

Discussions, Q&A

19:00

Dinner and networking event, location TBC

Friday, 7 August 2015

09:30 - 12:00

Round Table: Towards space resilience

12:30

Closing Remarks

Dr. Fiz. Marius-Ioan Piso - President and CEO, Romanian Space Agency

13:00 -14:30

Lunch – Restaurant H. Golden Tulip