



## 10<sup>th</sup> IAA Conference on Space Systems as Critical Infrastructure

### New systems, new actors, new threats

5-6 August 2021

Puflene Resort, Murighiol, Danube Delta, Romania

Draft agenda (v. 03 August 2021)

#### **Thursday 05.08.2021**

09:00 - 09:30

*Registration and welcome coffee*

09:30 - 09:45

**Welcoming remarks**

09:45 - 10:15

**IAA Study Group updates**, Marius-Ioan Piso, ROSA

**10:15 - 12:30**

**Session 1, Moderator: Marius-Ioan Piso**

Adrian Gheorghe, C. Keating,  
Old Dominion University,  
Norfolk, Virginia, United States  
of America

**Critical Space Infrastructure: An Initiative to  
Advance Field Development**

Kai-Uwe Schrogl, Ardita  
Shilova-Preci, German Federal  
Ministry for Economic Affairs  
and Energy (online)

**Space Traffic Management as a prerequisite  
for the safe use of critical space  
infrastructures – Results from the European  
STM Conference of 7 July 2021**

Bivolaru, M.M., Botezatu, U.E.,  
Cernat, M., Nedelcu, A., Piso,  
M.I., Poenaru, V.D., Sonka, A.,  
Trelia, M.M., Turcu, V. (ROSA  
and Astronomical Institute of  
Romanian Academy)

**Space Surveillance and Tracking updates:  
Challenges of space security**

12:30-14:00

*Working Lunch – Restaurant Puflene Resort*

**14:00 - 16:30**

**Session 2, Moderator: Adrian Gheorghe**

M. Birlan, A. Barucci, T.  
Hromakina, M. Fulchignoni, F.  
Colas, A. Sonka, E. Petrescu, E.  
Dotto, S. Fornasier, F. Merlin  
and the NEORocks team

**NEORocks program and natural hazard of Near Earth  
Objects**

Ionut Grozea, Anca  
Maria Radulescu (DEIMOS)

**ESA NEOCC asteroid impact effects operational tool (P3-  
NEO-XXVIII)**

Ionut Grozea, Anca  
Maria Radulescu (DEIMOS)

**End-to-End Performance Simulator for the Lagrange  
Remote-Sensing Package - HI/COR and LUCI data  
simulation**

Ion Nedelcu (ROSA)

**Infrastructure and platforms for big EO data distribution  
and analysis**

19:00

*Networking dinner – Restaurant Puflene Resort*

**Friday 06.08.2021**

**09:30 - 11:00**

**Session 3, Moderator: Dumitru Dorin Prunariu**

Roberto Scagnoli (ARTEL)

**Space Domain Awareness: concepts, assets, trends**

Iulian Juhasz (GMV)

**Ground & Space based image processing technologies for  
space debris observation**

Cristi Chitu (GMV)

**Evolution of collision avoidance services towards  
autonomous operation**

Victor Vevera, Alexandru  
Georgescu, Carmen Cîrnu (ICI)

**Trends in Critical Space Infrastructure Governance**

Marius-Eugen Opran (ROSA)

**New generation of Space Weapons**

**11:00 – 12:30**

**Round table: Liabilities, management and ownership of space infrastructures** (Marius-Ioan Piso, Adrian Gheorghe, Dumitru Dorin Prunariu, Mirel Bîrlan, Alexandru Badea, Mircea Cernat, Daciana Sferle, other participants)

**12:30 – 13:00**

**Conclusions**

*13:00 - 14:00*

*Working Lunch – Restaurant Puflene Resort*

*14:30 - 18:00*

*Boat trip to the Danube Delta*