

Lasers for Space: Peaceful Use of Lasers in Outer Space, September 2021, Mikulov, Czech Republic
Governance & Development of Lasers for Space Debris, Asteroids and Interstellar Travel

Day 1, 8:45-17:00, Mikulov Castle, Introductions of the topics

9:00-9:30 Welcome

Petr Bohacek & Nikola Schmidt – Why are we here? Presentation of the Declaration

9:30-10:00 Coffee Break

10:00-12:00 Opening of Policy Questions

12:00 – 14:00 Lunch

14:00-16:00 Opening of Technical Aspects and Developments

18:00 – Wine Tasting

Day 2, 8:45-17:00, Volarik Winery, Separate Technical Sessions

A: Policy Discussions (room Johanitter)

B: Technical Discussions (room Johanitter 1)

8:45-10:45 (20min introduction, 6x10min presentations, 40min discussion of proposals)

A: Security Regime for Peaceful Use of Laser in Space

B: Laser Propulsion

10:45-11:15 Coffee Break

11:15-13:15 (20min introduction, 6x10min presentations, 40min discussion of proposals)

A: Global Legitimacy, Framing and Narratives for Peaceful Laser Use in Space

B: Space Debris Removal and Manoeuvring

13:15-14:45 Lunch

14:45-16:45 (20min introduction, 6x10min presentations, 40min discussion of proposals)

A: Legal and Regulatory Aspects of Peaceful Laser Use in Space

B: Asteroid Prospecting and Deflection

18:00 Wine Tasting

Day 3, Volarik Winery, Joint Sessions, 8:45-18:00

8:45-10:15

Summary of Technical and Policy Discussions

10:15-10:45 Coffee Break

10:45-12:45 (20min introduction, 6x10min presentations, 40min discussion of proposals)

Practical Aspects of Technology Cooperation

12:45-14:15 Lunch

14:15-16:15

Joint working group

Discussions

16:15-16:45 Coffee Break

16:45-18:00

Drafting a working charter

Establishing working groups for further research/steps

19:00 Final dinner and closing wine tasting

Papers Format:

Presented papers must be in a form of proposal for technical or policy solutions to the community goals of

- a) establishing a functional, inclusive, global and peaceful use, management and development of giant laser systems in space
- b) advancement of technology and addressing key obstacles in the development of lasers space applications in areas of ablation or momentum transfer

Working Groups Format:

The chairs will introduce the topics, their main challenges and goals of the working group followed by selected presentation. The discussion will aim to debate and identify the next steps forward and discuss future work and research agenda in advancing the goals of the community.

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