



**International  
Academy of  
Astronautics**

# **IAA Commission 5 Space Policies Law & Economics**

## **Scientific Activities Committee Report**

**March 2023 Spring meeting**



## **Attendance (online meeting)**

- Corinne Jorgenson, Christophe Bonnal, Didier Alary, Erick Lansard, Fabrice Dennemont, Guoyu Wang, Ikuko Kuriyama, Isabelle Duvaux-Bechon, Jean-Michel Contant, Les Tennen, Marius-Ioan Piso, Martha Mejia-Kaiser, Martin von der Ohe, Piero Messina, Rao Fu, Scott Pace, Virgiliu Pop, Yukihiro Kitazawa



- **Current Studies**

- **Study Group 5.16 - Chair: *Prof. Liu Jizhong***  
**Study on International Policy and Legal Regimes for Space Natural Resources Exploitation and Utilization (SREU)**
  - ⇒ Comments from reviewers were received and will be integrated in the coming weeks before final review by Commission 5
- **Study Group 5.17 – Chair: *Bonnal/McKnight***  
**Space Debris Situation Report**
  - ⇒ No recent progress since the identified coordinator wishes to retire
  - ⇒ On the content: 50% unchanged since former version, many of the other chapters already updated, limited effort needed to finalise
  - ⇒ Will try to find a volunteer coordinator at the SDC meeting on 29<sup>th</sup> March – good hopes to find one



- **Completed / Current Studies (*continued*)**

- **Study Group 5.18 - *Chairs or representatives: Denis / Jorgenson***  
**Space and disasters management: new systems, new usages and opportunities for international cooperation**

- ⇒ Call for participation was issued 4Q2022 with some good response, now with a core group of participants
- ⇒ Goals and methodology available

- **Study Group 5.19 : – *Chair: Wood***  
**Opportunities for National Governments to Foster Space Traffic Management using the Space Sustainability Rating**

- ⇒ Progress report received on the status of the work, 3 meetings were held with good discussions, running smoothly



- **Completed / Current Studies (*continued*)**

- **Study Group 5.20 : – *Chairs: Spencer / Sorge*  
Establishing “Rules of the Road” for Satellite Collision  
Avoidance Maneuver Planning”**

- ⇒ Recent study, table of content prepared, progressing well
- ⇒ 16 members, participants from Japan and Italy would be welcome

- **Study Group 5.21 : – *Chairs: Jah / Jorgenson*  
Investigate a Transdisciplinary Approach to Protect the Dark  
and Quiet Sky from Satellite Constellation Interference**

- ⇒ Started Fall 2022, 3 meetings held, 9 contributors, a few more will come
- ⇒ Rough first outline ready – final outline + milestones by Summer 2023
- ⇒ Exchanges with the International Astronomical Union



- **New Studies Proposals**

- **Studies on STM** – *LJ Smith* to be deleted

- **Ecotax to fund space debris removal** – *D Alary*

- ⇒ Table of content written in Sept 22, discussed with Agencies and stakeholders at IAC
- ⇒ Considered as an utopia in the current context, not yet emerging – considered much too soon to produce a document – to be removed as a new proposal
- ⇒ Inputs and statements collected will be put in a paper / contribute to study 5.17



### **Current IAA Conferences**

#### **•General comment:**

Each conference should identify papers for Acta Astronautica

#### **•STM 2023 Conference (IAA STM Committee)**

Program Committee Chair or representative: Moriba Jah

1-2 March 2023, Austin, USA - hybrid conference, with more than 150 participants registered. Planning to prepare a conference report.

#### **•Spacecraft Mission Operations: SMOPS-2023**

Program Committee Chair or representative: Nandini Harinath / Vinod Kumar

8-9 June 2023, Bangalore, India

Still open for non Indian speakers

#### **•12<sup>th</sup> IAA Conference on Space Systems as Critical Infrastructures**

Program Committee Chair: Marius-Ioan Piso

3-4 August 2023, Mamaia, Romania

Call for Participation to be sent just after LSC beginning of April



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## **Commission 5 Report to SAC**

### **Current IAA Conferences (*continued*)**

- **Symposium on the Peaceful Use of Space Technology – Health IPSPACE**

Program Committee Chair: Wang Tyani

November 2023, Beijing, China

- **4<sup>th</sup> IAA Conference on Space Situational Awareness**

Program Committee Chair or representative: Riccardo Bevilacqua, will be held in Madrid (with GMV)

8-10 May 2024, Daytona Beach, USA

Under preparation





### **IAA Symposia at IAC 2023, Baku, Azerbaijan**

- **36<sup>th</sup> IAA symposium on space policy regulation and economics (E3)**  
Program Committee Chairs or representatives: B. Schmidt-Tedd / J. Masson  
**98 abstracts received (138 in 2022)**
- **21<sup>st</sup> IAA Space Debris Symposium (A6)**  
Chairs : C. Bonnal / R. Bevilacqua / P. Omaly  
**211 abstracts received (306 in 2022)**
- **24<sup>th</sup> UN/IAA workshop on small satellite at the service of developing countries, (B4.1)**  
Chairs: S. Mostert / N. Ricard
- **37<sup>th</sup> IAA/IISL scientific legal round table: "Space Launch from Celestial Bodies: Technology, Law and Policy" (E7.6 – E3.5)**  
Program Committee Chairs : J. Kawaguchi / M. Kemper Force



## Report from the IAA Permanent Committees

- **IAA Permanent Committee on Space Debris**  
Chair: C. Bonnal, Co-Chair: TBC, Secr: P. Omalý  
Committee meeting to be held 29<sup>th</sup> March 2023
- **IAA Permanent Committee on Space Traffic Management**  
Co-Chairs: M. Jah / C. Jorgenson  
Meeting every 3 months, 3 studies ongoing, identifying in each IAA conference if STM can be presented