



**International
Academy of
Astronautics**

IAA Commission 5 Space Policies Law & Economics

Scientific Activities Committee Report

March 2021 Spring meeting



Announced attendance

Name	Prenoms	Grade	SEC	PaysFinalUS
Alary	Didier	CM	2	France
Archinard	Natália	CM	4	Switzerland
Arrigo	Gabriella	M	4	Italy
Bevilacqua	Riccardo	M	2	USA
Bohlmann	Ulrike M	M	4	France
Bonnal	Christophe	M	2	France
Contant	Jean-Michel	M	4	France
Coustenis	Athena	M	1	France
Davidian	Kenneth J	CM	2	USA
Duvaux-Bechon	Isabelle	M	4	France
Jorgenson	Corinne M.	M	4	USA
Lansard	Erick	M	2	France
Lukaszczyk	Agnieszka	CM	4	Belgium
Mejia-Kaiser	Martha	CM	4	Germany
Messina	Piero	CM	4	France
Molette	Pierre	M	2	France
Munsami	Valanathan	M	1	South Africa
Piso	Marius-Ioan	M	4	Romania
Plattard	Serge	M	4	UK
Pop	Virgiliu	CM	4	Romania
Schmidt-Tedd	Bernhard	M	4	Germany
Zhang	Zhenjun	M	4	China



- **Completed / Current Studies**

- **Study Group 5.10** Chairs: *Hobe/Williamson/Smith LJ*

Orbital Debris Removal: Policy, Legal, Political and Economic

⇒ *Sent for SAC approval – will be published soon*

- **Study Group 5.16** Chairs: *Prof. Liu Jizhong and Dr. Ruihong Yang*

Study on International Policy and Legal Regimes for Space Natural Resources Exploitation and Utilization (SREU)

⇒ *In 2020, several important and influential national policies, international initiatives had been issued*

⇒ *New experts also identified*

⇒ *Necessary to adjust research framework timely – will be provided soon*



- **Completed / Current Studies (*continued*)**
 - **Study Group 5.17 – Chair: *Bonnal/McKnight***
Space Debris Situation Report
 - ⇒ *Follow-up of study 5.14: very good success (free download) – real need to update*
 - ⇒ *No progress since last meeting, essentially due to the Covid perturbations. Some contributors did send some inputs.*
 - ⇒ *Space Debris Committee meeting on Monday 22nd to agree next steps targeting IAC 2022 for publication*



- **Completed / Current Studies (*continued*)**
 - **Study Group 5.18: Space and disasters management: new systems, new usages and opportunities for international cooperation** - Chair or representative: Denis / Jorgenson
 - ⇒ *no progress since last meeting, essentially due to the Covid perturbations and work load of G Denis.*
 - ⇒ *Situation evolving and study will start again with reshuffled work plan*
 - ⇒ *updated information in the coming weeks with confirmation / new team members*



- **New Studies Proposals**

- **No progress reported on past ideas (2020 conditions were a bit difficult for all) – will investigate on former ideas and whether they can be restarted after the pandemics**
- **New study proposal: Opportunities for National Governments to Foster Space Traffic Management using the Space Sustainability Rating – Proposed Chair: Wood**
 - ⇒ *Could be under Commission 4 or 5*
 - ⇒ *Need to understand if linked to permanent committee STM as it should be*
 - ⇒ *If done on proper grounds, several members of Commission 5 interested*



Current IAA Conferences

- **3rd IAA Conference on Space Situational Awareness**
2nd Conference in Washington DC (USA), January 14-16 2020
Program Committee Chair or representative: Riccardo Bevilacqua
will be held in Madrid (with GMV) – Sept 2021 or beg. 2022
- **10th IAA Conference on Space Systems as Critical Infrastructures**
Program Committee Chair: Marius-Ioan Piso
Conference will be held in Mamaia, Romania, in August 2021 (or on line)
- **(3rd) IAA Private Human Access to Space (PHAS)**
Program Committee Chairs : Chern Jeng-Shing / C. Bonnal
First 2 in 2008 and 2011 – no progress on the topics then and decreased interest globally – very few actors engaged (suborbital flights) – orbital access might developed, will be analysed in couple of years



IAA Symposia at IAC 2021, Dubai, UAE

- **34th IAA symposium on space policy regulation and economics (IAC E3)**
Program Committee Chairs or representatives: B. Schmidt-Tedd / J. Masson
- **19th IAA Space Debris Symposium (IAC A6)**
Chair : C. Bonnal
- **22nd UN/IAA workshop on small satellite at the service of developing countries, (IAC B4.1)**
Chairs: S. Mostert / N. Ricard – Rapporteur: P. Molette
- **36th IAA/IISL scientific legal round table: Autonomous Intelligent Systems in space: operational and legal challenges (IAC E7.6)**
Program Committee Chairs : M. Ferrazzani / P. Martinez



Report from the IAA Permanent Committees

- **IAA Permanent Committee on Space Debris**

Chair: C. Bonnal, Co-Chair: H. Klinkrad, Liou Jer-Chyi

Committee meeting held on 22nd March – always great interest on the topic