

IAA Commission 1 'Space Physical Sciences' Meeting
26 September 2010 (Sunday) Corinthia Tower, Prague, Czech Republic
10h00-12h00 Suite I, Tiber

Minutes of the meeting

Meeting Attendance:

Nickolay Smirnov (secretary), Stamatios Krimigis, Claudio Maccone, Susan McKenna-Lawlor, Ji Wu, Stephan Ulamec, Gerhard Schwehm, Antonio Viviani, Ralph McNutt, Robert Farquhar, J.N. Goswami, Oleg Smokty, Janusz Zelinski, Oleg Fedorov, Jonathan Lunine, Bernard Foing.

Agenda:

1. Welcome and adoption of agenda
2. Minutes from 23 March 2010 meeting in Paris, see homepage
3. Study Group activities: status, progress report.
4. Proposals for new Study Groups
5. Report on Academy Day from COSPAR 2010.
6. Commission 1 relevant sessions at 61th IAC in Prague, Sept.27-Oct.1, 2010.
7. Program for 62th IAC in South Africa, October 2011. Plenary events.
8. Proposals for 63d IAC in Naples, 2012. Symposia Recommendations & call for papers changes. Technical Session Recommendations.
9. Next meetings
10. New business

The following topics were discussed at the Commission 1 meeting.

1. Welcome and adoption of agenda

That was adopted.

2. Minutes from 23 March 2010 meeting in Paris (see homepage)

That was approved.

3. Study Group activities: status, progress report.

1.3. SETI permanent study group.

The group was represented by Claudio Maccone. The group arranged a plenary HLL in Prague with Seth Shostak as keynote speaker. The group was advised to update the lists of participants and work plan and submit it to Secretary General. Besides, a report is expected.

1.4. The next steps for human Space explorations. What are the alternatives?

Gerhard Schwehm and Bob Farquhar were present. The Study Group needs some more time to develop the study. It was suggested to provide additional time until autumn 2011.

1.5. Particle radiation hazard en route to and at Mars.

Susan Mckenna-Lawlor was presenting the results. The Study Group finished its work. 11 chapters draft was assembled. The draft should be delivered to internal reviewer during this Congress. The review should be finalized by the end of the year (David Kendall agreed to serve as a Reviewer) and the manuscript should be transmitted to Beijing publication and production office. The efforts of Susan Mckenna-Lawlor were highly appreciated by commission members.

1.6. Protected antipode circle of Lunar farside.

Claudio Maccone – the group leader – was reporting. The study group has already reported problem statement to UN COPUOS in June. The goal of the study is to develop a draft of a treaty.

4. Proposals for new Study Groups

A proposal for study “Piggy backing to planets” by Jacques Blamont was discussed. The data for adequate decision was found insufficient. Tom Krimigis and Ralf McNutt were empowered to listen to the topic in details during 9-th IAA LCPM conference and recommend the decision by the meeting in Cape Town.

5. Report on Academy Day from COSPAR 2010.

That was delivered by Tom Krimigis.

6. Commission 1 relevant sessions at 61th IAC in Prague, Sept.27-Oct.1, 2010.

- a) Microgravity science and processes Symposium,
- b) HLL on SETI.

7. Program for 62th IAC in South Africa, October 2011. Plenary events.

“Messenger entering in orbit – highlights of the mission” Responsible – Ralf McNutt.

8. Proposals for 63d IAC in Naples, 2012.

New Symposia & call for papers changes were not recommended.

Plenary events were suggested:

- a) “Venus express – first 12 months” Joint project of JAXA and ESA. Responsible – Gerhard Schwehm.
- b) “3 years of “Kepler” mission”. Responsible – Jonathan Lunine.
- c) “Messenger 1-st year of operation” – HLL suggested by Ralf McNutt. Tom Krimigis suggested having this plenary the next year 2013.

9. Next meetings

Next meeting will be held in March 2011 in Paris.

10. New business.

- a) Celebrations: A plenary session to Commemorate L. Napolitano is suggested in Naples. A panel session will be held in A2 Microgravity science and processes symposium (Settled with Microgravity technical Committee of IAF).
- b) Global Space Technology Forum in Abu Dabi – A keynote lecture was discussed. One of options – Space technologies serving an instrument for enhancing oil recovery. (The speaker to be determined and the topic to be finalized).