

Annual Topical Group Meeting Spacecraft, Aircraft and Launcher Environments (June, 2013)

Susan McKenna-Lawlor
Space Technology Ireland,
Maynooth, Co. Kildare

Members



Topical Group Chair/spokesperson

Susan McKenna-Lawlor (STIL)

E mail; stil@nuim.ie

Topical Group Co-Chairs

Federico di Marco (VEGA)

E. Mail; Federico.Di.Marco@esa.int

Guenther Reitz (DLR)

E. Mail; Guenther.Reitz@dlr.de

There are ~30 general members in the group

Mission Statement



The Group was formed to act as a conduit between the space weather community and ESA, providing in particular inputs on matters concerning Space Situational Awareness (SSA).

The Chairperson (SMcKL) as a member of ESA's Space Weather Working Team Steering Board, can potentially raise SAA related issues with the Agency on behalf of Topical Group members.

Activities



- An annual meeting of the Topical Group takes place during Space Weather Week. These occasions provide an opportunity for all our Members to meet and for new members to join the Group
- Annual reports are provided to the SWWT Steering Board by the Chairperson
- The Executive Members communicate via telecon and e-mail.
- Members have access to the Topical Group website.

Agenda Topical Group Meeting on Spacecraft, Aircraft and Launcher Environments, Space Weather Week, Brussels, November 8, 2012



- Susan McKenna-Lawlor (STIL) Opening/Welcome. Report on Heads of Space Agencies follow-up actions re. Human Spaceflight.**
- Alain Hilgers: (ESA) Perspectives and future R&D opportunities on spacecraft environment interactions.**
- G. Reitz (DLR): Radiation health impacts on the way to Mars.**
- Werner Rühm (GSF, Munich): Overview on EuRaDos activities (20)**
- Iva Ambrozova(UJF, Praha): Measurements in airplanes (20)**
- Erwin Flückiger(Univ. Bern): Exposures to SPE's in airflight altitudes (20)**
- Nicole Santen DLR, Cologne): Measurements in Flight altitudes following the Fukushima Accident (10)**
- Daniel Matthiä (DLR, Cologne): Calculation of Exposure Levels in LEO (20)**
- S. McKenna-Lawlor Conclusion/Wrap up**

***Agenda Topical Group Meeting on Spacecraft,
Aircraft and Launcher Environments,
Space Weather Week,
Antwerp, November, 2013***



This year it is planned to highlight the two other areas in our TG title, namely spacecraft and launcher environments.

In this regard, the Chair will provide a 30 minute overview of the energetic particle radiation hazard posed to space personnel during long duration missions in BLEO.

Also, there will be an invited 30 minute talk on Launcher Environments.

Publication Plans



The inputs to the Topical Group over two years on SALE environments will then be integrated and published under the title

Space Weather user requirements for Launch Service and Trans-Polar Flight personnel, Human Space Flight providers and spacecraft operators.

in a suitable journal as a service to the community.

Go raibh maith agaibh go léir