

**Expert Meeting on
Improving Space Weather Forecasting in the Next Decade**
to be held at the United Nations Office at Vienna on the margins of the
51st Session of the Scientific and Technical Subcommittee of
the Committee on the Peaceful Uses of Outer Space (COPUOS)

10 - 11 February 2014
Vienna, Austria
Conference Room C6, Building “C”, 7th floor, Vienna International Centre

Agenda

Final Version.

Monday, 10 February 2014

Session 1

Chair: *Joseph DAVILA, United States of America*

09:00 – 09:20 Opening remarks, *Sharafat GADIMOVA, Office for Outer Space Affairs*
and *Joseph DAVILA, United States of America*

09:20 – 09:40 The solar atmosphere and space weather, *Volker BOTHMER, Germany*

09:40 – 10:00 Space weather forecasting in ESA SSA Programme, *Juha-Pekka LUNTAMA, European Space Agency*

10:00 – 10:20 The future of space weather forecasting, *Terry ONSAGER, United States of America*

10:20 – 10:40 Value-add space weather forecasting as the RWC for Africa, *Lee-Anne MCKINNELL, South Africa*

10:40 – 11:00 Coffee Break

11:00 – 11:20 Monitoring, specifying and forecasting the geospace energetic particle radiation environment, *Ioannis DAGLIS, Greece*

11:20 – 11:40 The development of space weather in Japan, *Hiroaki ISOBE, Japan*

11:40 – 12:00 VAP (Van Allen Probe) software development for space weather, *Young-deuk PARK, Republic of Korea*

12:00 – 12:20 Space weather using ground instrumentation, *Babatunde RABIU, Nigeria*

12:20 – 13:20 Lunch Break

Session 2

Chair: *Patricia DOHERTY, United States of America*

- 13:20 – 13:40 Space weather instrumentation, *Ian MANN, Canada*
- 13:40 – 14:00 Modeling the physics of space weather – current state and future directions, *Leon OFMAN, United States of America*
- 14:00 – 14:20 Flares and CMEs forecasting potential of the space weather and ultraviolet solar variability (SWUSV) microsatellite mission, *Luc DAME, France*
- 14:20 – 14:40 Space weather activities in Brussels, combining forces of ISES en ESA/SSA, *David BERGHMANS, Belgium*
- 14:40 – 15:00 Space weather from out of the Sun-Earth line: The experience of STEREO, *Richard HARRISON, United Kingdom*

15:00 – 15:20 Coffee Break

Session 3

Chair: *Sharafat GADIMOVA, Office for Outer Space Affairs*

- 15:20 – 15:40 International Committee on Global Navigation Satellite Systems (ICG) and its Programme on the applications of global navigation satellite systems (GNSS), *Sharafat GADIMOVA, Office for Outer Space Affairs*
- 15:40 – 16:00 Space weather data, instruments and models: looking beyond the International Space Weather Initiative (ISWI) – Recommendations and observations of the Graz Symposia, *Werner BALOGH, Office for Outer Space Affairs*
- 16:00 – 16:20 Improving GNSS-related space weather situation awareness through wide-spread low-cost sensor monitoring network, *Renato FILJAR, Croatia*
- 16:20 – 16:40 The utilization of ionospheric observations from African observatories, *Sandro RADICELLA, Italy*
- 16:40 – 17:00 The future of GNSS for space weather monitoring and research, *Patricia DOHERTY, United States of America*
- 17:00 – 17:20 Remote-sensing radio observations of the inner heliosphere for space-weather science and operations, *Mario BISI, United Kingdom*
- 17:20 Adjourn

Tuesday, 11 February 2014

Session 4

Chair: *Natchimuthuk GOPALSWAMY, United States of America*

- 09:00 – 09:20 The development of SCINDA and space weather, *Keith GROVES, United States of America*

- 09:20 – 09:40 Space weather using ground instrumentation, *Jean-Pierre RAULIN, Brazil*
- 09:40 – 10:00 African dual frequency GPS network, *Christine AMORY-MAZAUDIER, France*
- 10:00 – 10:20 The e-Callisto network: solar radio astronomy, space weather, education and radio monitoring, *Christian MONSTEIN, Switzerland*
- 10:20 – 10:40 Proposal from Kyushu university to be the new host for the ISWI Secretariat, *George MAEDA and Akimasa YOSHIKAWA, Japan*

10:40 – 11:00 Coffee Break

Session 5

Chair: *David WEBB, United States of America*

- 11:00 – 11:20 Monitoring, modelling and forecasting the total electron content of the ionosphere, *Norbert JAKOWSKI, Germany*
- 11:20 – 11:40 The Wall of Peace, *Christine AMORY-MAZAUDIER, France on behalf of Jean LILENSTEN, France*
- 11:40 – 12:00 Space weather and ground- and space-based multi-instrument observations, *Endawoke YIZENGAW, United States of America*
- 12:00 – 12:20 Space weather using ground instrumentation, *Ericson LOPEZ, Ecuador*

12:20 – 13:20 Lunch Break

Session 6

Chair: *Richard HARRISON, United Kingdom*

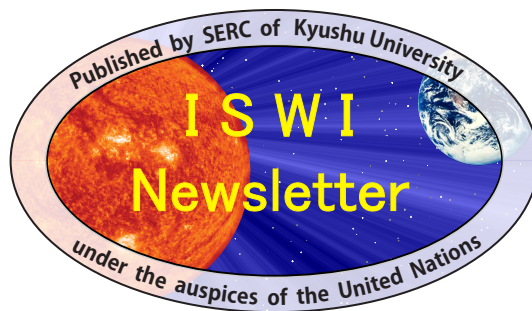
- 13:20 – 13:40 Storm studies using global navigation satellite systems, *Ms. Anthea COSTER, United States of America*
- 13:40 – 14:00 CiAO: an operational global spwx multi-format data delivery service, *Anton FEUN, South Africa*
- 14:00 – 14:20 Geospace missions for space weather and the next scientific challenges for society, *James SPANN, United States of America*
- 14:20 – 14:40 Real-time flare and filament eruption detection at Kanzelhöhe Observatory, *Manuela TEMMER, Austria*
- 14:40 – 15:00 NASA programme for space weather, *Madhulika GUHATHAKURTA, United States of America*

15:00 – 15:20 Coffee Break

Session 7

Chair: *Madhulika GUHATHAKURTA, United States of America*

- 15:20 – 15:40 Space weather diamond, *Orville Chris ST CYR and Mr. Joseph DAVILA, United States of America*
- 15:40 – 16:00 Sub-L1 magnetic field measurements and sunjammer, *Jonathan Eastwood, United Kingdom*
- 16:00 – 16:20 Space weather science from the Sun-Earth L5/L4 points, *Natchimuthuk GOPALSWAMY, United States of America*
- 16:20 – 16:40 Design concepts for an L5 space weather mission, *Angelos VOURLIDAS, United States of America*
- 16:40 – 17:00 CMEs, heliospheric imaging and space weather forecasting, *David WEBB, United States of America*
- 17:00 – 17:20 Interplanetary cubesats for space weather, *Marco VELLI, United States of America*
- 17:20 – 17:40 Using cubesats for space weather, *Therese JORGENSEN, United States of America*
- 17:40 Summary and Closing remarks, *Joseph DAVILA, United States of America*
- 18:00 Adjourn



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