

# List of Technical Presentations

## 60<sup>th</sup> Scientific and Technical Subcommittee

(List is accurate as of 14 February 2023 at 16:00 - Vienna time)

**Monday, 6 February**  
**Morning**

### No Technical Presentations

**Afternoon**

### Technical Presentations

<b>Agenda item no.</b>	<b>Title, Presenter, State/Observer Organization</b>
Item 3	BEYOND GRAVITY: The PRETTY Nanosatellite Mission: Fighting the Impacts of Climate Change; Mr. Heinrich Fragner; Austria
Item 3	The First International Moon Day Results and Outlook for 2023; Dr. Nasr Al-Sahhaf and Ms. Bernadette Detera; Moon Village Association

**Tuesday, 7 February**  
**Morning**

### Technical Presentations

<b>Agenda item no.</b>	<b>Title, Presenter, State/Observer Organization</b>
Item 6	BRICS Remote Sensing Satellite Constellation: China's Progress and prospect; Mr. WANG Fengyu; China
Item 6	Hyperspectral data exploitation: the ASI PRISMA SCIENZA Programme; Mr. Giorgio Licciardi; Italy
Item 6	Russian Forests: view from space; Mr. Sergey Bartalev; Russian Federation
Item 5	What Cyber Protection for Space Technologies? A technical study on safety norm; Ms. Laetitia Cesari Zarkan; SGAC
Item 6	News from the International Society for Photogrammetry and Remote Sensing; Ms. Lena Halounavá; ISPRS

**Afternoon**

### Technical Presentations

<b>Agenda item no.</b>	<b>Title, Presenter, State/Observer Organization</b>
Item 5	2023 Space4Women Expert Meeting; Ms. Laurie St-Onge and Ms. Lauren Gravis; Canada
Item 5	Millimetron Observatory: The Future of Millimeter Astronomy; Mr. Alexey Rudnitsky; Russian Federation

Morning technical presentations will take place 9:45-10:45 AM Vienna time (CET)  
Afternoon technical presentations will take place 5:15-6:15 PM Vienna time (CET)

- Item 5      Caucasian Mountain Observatory: a new scientific educational center of Lomonosov, Moscow State University; Mr. Konstantin Postnov; Russian Federation
- Item 10     Norwegian Space Weather Activities in the Arctic; Mr. Pal Brekke; Norway
- Item 5      The Lunar Commerce Portfolio Report – Main Results; Dr. Giuseppe Reibaldi and Mr. Gidon Gautel; Moon Village Association

**Wednesday, 8 February**  
**Morning**

**Technical Presentations**

<b>Agenda item no.</b>	<b>Title, Presenter, State/Observer Organization</b>
Item 7	US Space Debris Environment and Activity Updates; Dr. Jer Chyi Liou; USA
Item 10	Space Weather – A risk to economic vitality and national security, South Africa’s solution; Dr. Rendani Nndanganeni; South Africa
Item 6	The Operation Status and Utilization of Korean National Land Satellite; Ms. PARK, Suyoung; Republic of Korea
Item 10	Report on Progress following UNCOPOUS - COSPAR/WMO/ISES lead efforts to improve global coordination of space weather activities; Prof. Hermann Opgenoorth; COSPAR
Item 7	IADC Annual Report 2022; Holger Krag; ESA

**Afternoon**

**Technical Presentations**

<b>Agenda item no.</b>	<b>Title, Presenter, State/Observer Organization</b>
Item 5	Space Technology in Egypt; Dr. Sherief Sedky; Egypt
Item 7	2022 Space Debris in France: Highlights; Mr. Laurent Francillout; France
Item 12	Managing the Plume Effect for Sustainable Lunar Operations; Bailey Cunningham; For All MoonKind
Item 12	Concentrated Lunar Resources; Dr. Martin Elvis; NSS
Item 12	Update on CONFERS and Industry Standards for Satellite Servicing; Dr. Brian Weeden; SWF
Item 12	Need for international cooperation and collaboration for safe and sustainable Moon operations; Tommaso Sgobba; IAASS
Item 6	PSIPW10th Award Ceremony at UNOV; Ali Wafa Abu-Risheh; PSIPW

**Thursday, 9 February**  
**Morning**

**Technical Presentations**

<b>Agenda item no.</b>	<b>Title, Presenter, State/Observer Organization</b>
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Morning technical presentations will take place 9:45-10:45 AM Vienna time (CET)  
Afternoon technical presentations will take place 5:15-6:15 PM Vienna time (CET)

- Item 12 Satellite Retroreflectors and Laser Ranging for Space Traffic Management; Mr. Wolfgang Riede; Germany
- Item 10 Operating Experience of the Russian Segment CRC of the Global Space Weather Center in Support of International Air Navigation; Mr. Vyacheslav Burov; Russian Federation
- Item 12 Making Space Sustainable; Mr. Joe Anderson; USA
- Item 7 SGAC Review of the UNCOPUOS Compendium of space debris mitigation standards: what's next?; Ms. Clarissa Luk; SGAC
- Item 10 An Update of SCOSTEP's Recent Activities; Natchimuthuk Gopalswamy; SCOSTEP

## Afternoon

### Technical Presentations

Agenda item no.	Title, Presenter, State/Observer Organization
Item 10	Japanese Contribution to Space Weather Research and Operation; Mr. Ishii Mamoru; Japan
Item 7	CanX-7 Re-entry; Mr. Lauchie Scott; Canada
Item 14	Through ground-based international experiments to deep space 'per aspera astra'; Mr. Oleg Orlov; Russian Federation
Item 10	Study and monitoring of the Earth Magnetic Field, using FASAT CHARLIES Magnetometer; Mr. Diego Riquelme; Chile
Item 12	Empowering the Next Generation – the key to long-term sustainability in outer space activities; Ms. Newsha Haghgoo; SGAC
Item 10	Emerging Frontiers in Heliophysics/Space Weather Enabled by AI and Public-Private Partnerships; Madhulika Guhathakurta; SCOSTEP
Item 5	WSW 2022 Space and Sustainability: Outreach activities for promotion of space sustainability; Ms. Nikol Koleva; World Space Week
Item 6	Indigenous Knowledge Research Infrastructure and remote sensing for sustainability applications; Mr. Milind Pimprikar and Dr. Juan Miguel González-Aranda; CANEUS

## Friday, 10 February Morning

### Technical Presentations

Agenda item no.	Title, Presenter, State/Observer Organization
Item 11	LICIACube: the Italian small satellite for the close-up observation of the NASA DART impact on the asteroid Dimorphos; Ms. Simone Pirrotta; Italy
Item 14	Health Related Applications of Remote Sensing and GIS in the Philippines; Ariel C. Blanco; Philippines
Item 12	Green manufacturing contributes to space development; Ms. HE Nan; China
Item 7	The Threat of Space Debris to the Safety of Spacecraft in Orbit and Its Countermeasures; Mr. WANG Liang; China

Morning technical presentations will take place 9:45-10:45 AM Vienna time (CET)  
 Afternoon technical presentations will take place 5:15-6:15 PM Vienna time (CET)

- Item 10 Progress of Space Weather Operations of China Meteorological Administration; Ms. MAO Tian; China

## Afternoon

### Technical Presentations

Agenda item no.	Title, Presenter, State/Observer Organization
Item 14	The Health Beyond Initiative; Annie Martin; Canada
Item 4	ISONscope Cooperative Program of UNOOSA and the Keldysh Institute under the Access to Space for All Initiative; Mr. Artem Mokhnatkin; Russian Federation
Item 7	Space Situational Awareness Activities of the Republic of Korea; Ms. CHOI, Eun-jung; Republic of Korea
Item 8	Earth Observation for Responsive Disaster Management; Ms. KIM, Hyun-ok; Republic of Korea
Item 17	Dark and Quiet Skies: An Australian Perspective; Mr. Fred Watson; Australia
Item 17	US Private Sector Contributions to Dark and Quiet Skies; Chris Hofer; USA
Item 17	US Private Sector Contributions to Dark and Quiet Skies; David Goldstein; USA

## Monday, 13 February Morning

### Technical Presentations

Agenda item no.	Title, Presenter, State/Observer Organization
Item 8	Space data usage and applications for DRRM in the Philippines; Mr. Noel Jerome B. Borlongan; Philippines
Item 9	BeiDou Navigation Satellite System Featured Services and Applications; Ms. LU Jun; China
Item 13	International Consensus about Standardisation of Interfaces for On-Orbit Servicing: a project held by the Space Generation Advisory Council; Mr. Virgile Gautier; SGAC

## Afternoon

### Technical Presentations

Agenda item no.	Title, Presenter, State/Observer Organization
Item 5	Spatial Development in Paraguay; Dr. Adolfo Jara and Prof. Alejandro Román; Paraguay

Morning technical presentations will take place 9:45-10:45 AM Vienna time (CET)  
 Afternoon technical presentations will take place 5:15-6:15 PM Vienna time (CET)

- Item 16 On current situation in developing of National Space Situational Awareness (SSA) at Omarov Assy-Turgen Observatory (OATO); Ms. SMAILOVA Gulzhan; Kazakhstan
- Item 9 GNSS Space Service Volume (SSV) and Lunar GNSS Activities; Mr. Joel Parker; International Committee on GNSS (ICG)
- Item 16 STELA. Starship: Impact on the SatCom Industry; Stephania Turyk; ISU
- Item 8 Supplementing Earth Observation with Social Media data for Disaster Risk Management; Mr. Swarnajyoti Mukherjee; SGAC
- Item 8 APSCO Data Sharing for Regional Sustainability and Member States Emergency Response; Mr. Xu Yansong; APSCO

## Tuesday, 14 February Morning

### Technical Presentations

Agenda item no.	Title, Presenter, State/Observer Organization
Item 3	Progress in International Cooperation of China's Lunar and Deep Space Exploration; Mr. LIU Yu; China
Item 4	A report on three batches of India's UNNATI training programme on satellite building; Mr. Babu Govinda Raj, India
Item 6	International cooperation in India's EOS-6 data utilisation; Mr. JV Thomas; India
Item 3	Novel R&D efforts by Indian emerging space entities; Mr. Sajith RC; India
Item 14	Australian outlook on initiatives for sustainable digital health; Dr. Chandana Unnithan; Australia

## Afternoon

### Technical Presentations

Agenda item no.	Title, Presenter, State/Observer Organization
Item 5	Africa-Japan CubeSat Cooperation Workshop and future collaboration in Africa; Mr. Nishimoto Akira; Japan
Item 10	Climate Research and Science Integration Across NASA; Dr. Kate Calvin; USA
Item 3	Deep Space Exploration/ Türkiye's Moon Research Programme; Mr. Burak Pehlivan; Türkiye
Item 4	Highlights of Space4water Activities in 2022; Nina Kicking; Space4Water

## Wednesday, 15 February Morning

### Technical Presentations

Agenda item no.	Title, Presenter, State/Observer Organization
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Morning technical presentations will take place 9:45-10:45 AM Vienna time (CET)  
 Afternoon technical presentations will take place 5:15-6:15 PM Vienna time (CET)

**Afternoon**

**Technical Presentations**

**Agenda item no.**

**Title, Presenter, State/Observer Organization**

**Thursday, 16 February**

**Morning**

**No Technical Presentations**

**Afternoon**

**No Technical Presentations**

**Friday, 17 February**

**Morning**

**No Technical Presentations**

**Afternoon**

**No Technical Presentations**