

# List of Technical Presentations - 58<sup>th</sup> Scientific and Technical Subcommittee<sup>1</sup>

(List is accurate as of 28 April 2021, 10:00 AM Vienna time/CEST)

## Monday, 19 April

### Morning

**No Technical Presentations – session has not yet begun**

### Afternoon

<b>Agenda item no.</b>	<b>Title, presenter, State/Observer organization</b>
Item 3 (GEV)	"Chilean Development Facility and Space Mission Program", Mr. Roberto Silva, Chile
Item 3 (GEV)	"China's Chang'E-5 Mission and First Mars Mission", Mr. YANG Ruihong, China
Item 15 (global health)	"Australian initiatives in Digital Health during the pandemic crisis and after", Ms. Chandana Unnithan, Australia
Item 10 (Space Weather)	"CMA Space Weather Activities", Mr. ZHANG Xiaoxin, China

## Tuesday, 20 April

### Morning

<b>Agenda item no.</b>	<b>Title, presenter, State/Observer organization</b>
Item 3 (GEV)	"Data Analysis as Base Input for Good Governance in Space Environment Management", Mr. Valentin Eder, Austria
Item 3 (GEV)	"Indian Space programme: 2020 updates & priorities", Mr. R. Umamaheswaran, India
Item 7 (space debris)	"Space Debris Research at JAXA", Mr. YAMANAKA Koji, Japan
Item 14 (NPS)	"Aerodynamic characteristics analysis of radioisotope nuclear source" Ms. WANG Ying, China

<sup>1</sup> Morning technical presentations will take place 10:00-11:00 AM Vienna time (CEST). Afternoon technical presentations will take place 5:00-6:00 PM Vienna time (CEST).

## Afternoon

<b>Agenda item no.</b>	<b>Title, presenter, State/Observer organization</b>
Item 10 (space weather)	"Space weather activities in Austria", Ms. Manuela Temmer, Austria
Item 7 (space debris)	"U.S. Space Debris Environment and Activity Updates", Mr. Jer Chyi Liou, USA
Item 7 (space debris)	"Canadian Space-based Photometric Measurements of the Starlink Constellation", Mr. Lauchie Scott, Canada
Item 15 (global health)	Thromboembolism in Space and its Implications on COVID-19 Research on Earth, Mr. Nandu Goswami, CANEUS International

## Wednesday, 21 April

### Morning

<b>Agenda item no.</b>	<b>Title, presenter, State/Observer organization</b>
Item 15 (global health)	"Space Technology Applications in India with relevance to COVID-19", Mr. Shantanu Bhatawdekar, India
Item 15 (global health)	"Copernicus & COVID 19 - The EU Earth Observation Programme Initiatives", Ms. Astrid Christina Koch, European Union
Item 3 (GEV)	"Technical Presentation on Recommendations from the Dark & Quiet Skies Workshop", Ms. Constance Walker, International Astronomical Union
Item 3 (GEV)	"World Space Week 2021: Women in Space", Ms. Maruška Strah, World Space Week Association

### Afternoon

<b>Agenda item no.</b>	<b>Title, presenter, State/Observer organization</b>
Item 7 (space debris)	"Space Debris/Sustainability Activities in ESA in 2020", Mr. Holger Krag, ESA
Item 15 (global health)	"An evaluation of Earth Observation as a potential tool to forecast and manage resources during the Covid-19 pandemic", Ms. Rochelle Velho, SGAC
Item 5. (socioeconomic development)	"The Commercial Space Industry in Africa and its Readiness for Innovation-Driven Investment: the Space Generation's View", Mr. José Pedro Ferreira, SGAC

Item 3 (GEV)

“On-orbit Servicing, Assembly, and Manufacturing (OSAM-1) Contributions to the Artemis Program” Ms. Trudy Kortez, USA

## Thursday, 22 April

### Morning

<b>Agenda item no.</b>	<b>Title, presenter, State/Observer organization</b>
Item 7 (space debris)	"Space Traffic management and Space Environment Sustainability in the NEWSPACE Era", Mr. Romain Lucken, IAASS
Item 11 (NEOs)	"Near Earth Space Observation Activity of Ukraine in 2020", Mr. Oleksandr Kozhuhov, Ukraine
Item 5 (socioeconomic development)	"Educational Platform for Space Science and Technology", Mr. Mohamed El-Koosy, Egypt
Item 5 (socioeconomic development)	"WildtrackCube-SIMBA, an experimental university-class Cubesat for efficient wildlife tracking in Kenya", Mr. Fabio Santoni, Italy

### Afternoon

<b>Agenda item no.</b>	<b>Title, presenter, State/Observer organization</b>
Item 3 (GEV)	"Smart Space Communications using 3D Beam Steering Plasma Antennas", Ms. Fatemeh Sadeghikia, Iran
Item 3 (GEV)	"Fostering Scalable, Resilient Utility Infrastructure for Cislunar Space", Mr. Gary Pearce Barnhard, National Space Society
Item 15 (Space and Global Health)	"Spatial Information Technology and Disease Prevention & Control in China", Mr. WANG Yong, China

## Friday, 23 April

### Morning

<b>Agenda item no.</b>	<b>Title, presenter, State/Observer organization</b>
Item 3 (GEV)	"Achievements of Hayabusa2: Unveiling the World of Asteroid by Interplanetary Round Trip Technology", Mr. TSUDA Yuichi, Japan
Item 7 (space debris)	"The German Experimental Space Surveillance and Tracking Radar - A high-performance experimental radar for space surveillance", Mr. Manuel Metz, Germany
Item 15 (global health)	"Space chemistry and global health: Drug development against COVID-19 in space.", Mr. Gergő Mezőhegyi, Hungary

Item 15 (global health)	Space medicine for the Earth medicine. 60 years of the first human spaceflight”, Mr. Oleg Orlov, Russian Federation
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### Afternoon

Agenda item no.	Title, presenter, State/Observer organization
Item 3 (GEV)	“Radio Signal Interference Detection from Space”, Otto Koudelka, Austria
Item 7 (space debris)	“2020 Space Debris Activities in France: Highlights”, Mr. Laurent Francillout, France
Item 3 (GEV)	“The Vision of a Space Safety Institute”, Mr. Josef Koller, IAASS
Item 15 (global health)	““Role of Space During Pandemics””, Ms. May-Li Uy, International Space University

## Monday, 26 April

### Morning

Agenda item no.	Title, presenter, State/Observer organization
Item 5 (socioeconomic development)	“Advancing Philippine Space Technology and Applications for Sustainable Socioeconomic Development”, Ms. Gay Jane P. Perez, Philippines
Item 6 (remote sensing)	“Summary, achievements and major results of the “PRISMA Mission and beyond” Workshop”, Mr. Ettore Lopinto, Italy
Item 10 (space weather)	“Current status of the SCOSTEP's PRESTO program for predictability of the variable solar-terrestrial coupling” Mr. Kazuo Shiokawa, SCOSTEP
Item 7 (space debris)	“SMOG-1, The Fourth Hungarian PocketQube Class Student Satellite on Low-Earth-Orbit: Radio Frequency SMOG Measurement System on Low-Earth-Orbit”, Mr. Levente Dudas, Hungary

### Afternoon

Agenda item no.	Title, presenter, State/Observer organization
Item 6 (remote sensing)	“Space-based data and the fight against illegal fishing”, Mr. Sean Wheeler and Mr. Tony Long, Canada
Item 12 (LTS)	“ELSA-d: Building a Stable & Sustainable Future in Space, Mr. Toby Harris, UK

Item 8 (Disaster management)	“Integrating Indigenous knowledge and State-of-Art Earth Observation Solutions for the Sendai Framework implementation”, Mr. Milind Pimprikar, CANEUS International
Item 4 (UN PSA)	“The Fifth Anniversary of the UN Regional Centre and in the Days of Fighting COVID-19” Ms. CUI Yizhou, China

## Tuesday, 27 April

### Morning

Agenda item no	Title, presenter, State/Observer organization
Item 3 - (GEV)	“Moon Village Association contribution to sustainable Lunar Exploration and Utilisation”, Mr. Giuseppe Reibaldi, Moon Village Association
Item 3 - (GEV)	“PSIPW 9th Awards Ceremony and Conference”, Mr. Ali-Wafa Abu-Risheh, PSIPW
Item 3 - (GEV)	“All-sky X-rays map. Orbital Observatory SRG with X-ray telescopes ART (Russia) and eROSITA (Germany)”, Mr. Rashid Sunyaev and Mr. Alexander Lutovinov, Russian Federation
Item 3 - (GEV)	“60 years of Yuri Gagarin's flight. The founders of the USSR practical cosmonautics – S.P.Korolev and M.V.Keldysh”, Mr. Mikhail MAROV, Russian Federation

### Afternoon

Agenda item no.	Title, presenter, State/Observer organization
Item 3 (GEV)	“NASA’s view of Climate Change from Space”, Mr. Gavin Schmidt, USA
Item 3 (GEV)	“Findings and Recommendations from Recent Space Traffic Management Webinars co-organized by IAASS and The Aerospace Corp.”, Mr. Mark Skinner, IAASS
Item 6 (remote sensing)	"The Current and Future Applications of Thermal Infrared Remotely-Sensed Data for Global Warming Studies", Mr. Seyed Kazem Alavipanah, Iran
Item 9 (GNSS)	“Development of Beidou Satellite Navigation System”, Ms. LU Xiaochun, China

## Wednesday, 28 April

## Morning

<b>Agenda item no.</b>	<b>Title, presenter, State/Observer organization</b>
Item 3 (GEV)	"India's International Cooperation in Space", Mr. B. Pandian, India
Item 4 (program on space applications)	"ISONscope cooperative program of UNOOSA and the Keldysh Institute under the Access to Space for All Initiative", Mr. Artem Mokhnatkin, Russian Federation
Item 3 (GEV)	"Mission Idea Contest for Deep Space Science and Exploration with Micro/Nano Satellites", Mr. Nate Taylor, UNISEC Global

## Afternoon

<b>Agenda item no.</b>	<b>Title, presenter, State/Observer organization</b>
Item 3 (GEV)	"Open Architecture Data Repository", Ms. Diane Howard, USA
Item 3 (GEV)	"European Space Resources Innovation Centre", Mr. Mathias Link, Luxembourg
Item 12 (LTS)	"The For All Moonkind Moon Registry: Dynamically Advancing the Sustainability of Lunar Activities", Ms. Bailey Cunningham, For All Moonkind
Item 3 (GEV)	"Regional Eurasian Space Educational Centre, affiliated to the United Nations", by a presenter from the State Space Corporation "Roscosmos" name TBC, Russian Federation
Item 3 (GEV)	"NASA and UNOOSA Memorandum of Understanding to Enhance its Longstanding Partnership", Mr. Kevin Conole, USA

## Thursday, 29 April & Friday 30 April

**No Technical Presentations – adoption of the report**