

Programme



18 – 22 November 2019

Conference Room C1 | 2nd Floor C-Building

Vienna International Centre

MONDAY, 18 November 2019: OPENING and WELCOMING

*City Hall of Vienna, Stadtsenatssitzungssaal
Entrance: 1010 Vienna, Lichtenfelsgasse 2, Feststiege I*

Opening and Welcome remarks

18:30	Mr. Omar-Al Rawi Member of the Vienna City Council on behalf of the Mayor and Governor City of Vienna, Austria
18:40	Ms. Gabriela Sellner Ambassador and Permanent Representative of Austria to the United Nations in Vienna Federal Ministry for Europe, Integration and Foreign Affairs, Austria
18:50	Mr. Niklas Hedman Chief, Committee Policy and Legal Affairs Section United Nations Office for Outer Space Affairs
19:00	Mr. Andreas Reichhardt Federal Minister Federal Ministry for Transport, Innovation and Technology, Austria
Followed by a reception upon invitation of the Mayor of Vienna	

TUESDAY, 19 NOVEMBER 2019		
Vienna International Centre (VIC)		
08:00	Registration	
09:30	Opening Remarks and Housekeeping	
Opening Speeches		
09:35 – 10:00	Ms. Margit Mischkulnig Head of Department Space Affairs Federal Ministry for Transport, Innovation and Technology Mr. Markus Woltran Programme Officer United Nations Office for Outer Space Affairs	
Session 1: Space Economy for All		
<i>Space economy is a key enabler and functions as the driver and connector of all four pillars. In that regard, this discussion session will address the different challenges and opportunities for the future of the space economy.</i>		
Moderator:		Rapporteur:
Ms. Veronica Cesco United Nations Office for Outer Space Affairs		Ms. Felicia Schartner University of Vienna
10:00 – 10:15	Mr. John Donehoo University of Pittsburgh Medical Center	<i>From why space to thinking space</i>
10:15 – 10:30	Mr. José Manuel Medina Bosleman Space Latam	<i>Space Entrepreneurship: Available Paths to follow to begin a business in the space industry, resources and opportunities</i>
10:30 – 10:45	Mr. Thomas Herzig Architect	<i>"pneumo planet" Mars habitat and Moonbase</i>
10:45 – 11:00	Mr. Takayoshi Fukuyo National Space Policy Secretariat	<i>CubeSat-based Low-cost communication network and its utilisation for capacity building in developing countries</i>
11:00 – 11:15	Ms. Annalisa Donati European Space Policy Institute	<i>Space Ventures Report</i>
Coffee Break 11:15 – 11:45		
11:45 – 12:00	Mr. Christian Unfried Mr. Valentin Eder Space Analyses	<i>Data Analyses of and for Space Assets: Roles, Rules and Responsibility</i>
12:00 – 12:15	Mr. David John Taverner Caribou Space	<i>UK Space Agency International Partnership Programme: Using Space to Achieve the UN Sustainable Development Goals</i>
12:15 – 12:30	Questions and Answers	

Lunch Break		
12:30 – 13:30		
Session 2: The Benefits of Space for All		
<i>Space technology and its applications are fundamental for the implementation of all Sustainable Development Goals, and to ensure that no one will be left behind, international cooperation and a stronger focus on user needs is essential.</i>		
Moderator: Mr. Shirish Ravan United Nations Office for Outer Space Affairs		Rapporteur: Ms. Jainta Chomtoranin University of Birmingham
13:30 – 13:45	Mr. David Draper NASA	<i>The Future of Lunar Exploration</i>
13:45 – 14:00	Ms. Isabelle Duvaux-Bechon European Space Agency	<i>Benefits of Space for All: how to pass the message and reach the users</i>
14:00 – 14:15	Ms. Panagiota Alexandra Fratti School of Salamina	<i>Creating Tomorrow's Explorers – Space Education: A teacher's perspective</i>
14:15 – 14:30	Mr. Moritz Novak TU Wien	<i>Student initiatives and international collaboration: a launchpad for future space engineers</i>
14:30 – 14:45	Ms. Zainab Azim	<i>Youth, education and inspiring the scientist of tomorrow</i>
	Ms. Adriana Tome Brazilian National Institute for Space Research	<i>Space4Women Conference, Brazil, 2020</i>
14:45 – 15:00	Mr. Dohyung Kim (via Skype) UNICEF	<i>UNICEF Global CubeSat Youth Challenge</i>
15:00 – 15:15	Questions and Answers	
Coffee Break		
15:15 – 15:45		
Moderator: Mr. Jorge Del Rio Vera United Nations Office for Outer Space Affairs		Rapporteur: Ms. Funmilola Adebisi Oluwafemi National Space Research and Development Agency
15:45 – 16:00	Ms. Alison B. Lowndes Artificial Intelligence DevRel	<i>Harnessing the power of AI for All Humankind</i>
16:00 – 16:15	Mr. Simon Jackman University of Oxford	<i>Using AI and satellite Data to address the SDGs</i>
16:15 – 16:30	Mr. James Parr Trillium Technologies	<i>ML as a tool for Improved Planetary Stewardship</i>
16:30 – 16:45	Mr. Stefano Natali SISTEMA GmbH	<i>Big data analysis tools for climate change assessment and climate resilience support in developing countries</i>
16:45 – 17:00	Ms. Angela Corbari Studiomapp	<i>Supporting SDGs monitoring and impact measurement using AI on Satellite Imagery</i>
17:00 – 17:15	Ms. Barbara Riedler University of Salzburg	<i>CopHub.AC – Copernicus Academy Hub: connecting experts of different application fields and sustaining the innovation process from academia to business</i>
17:15 – 17:30	Questions and Answers	

WEDNESDAY, 20 NOVEMBER 2019
Vienna International Centre (VIC)

Session 3: Access to Space for All

Outer space has often been described as a global commons, and accessibility should remain a priority as the international community explores options to maintain the governance structure of the space environment.

Moderator: Mr. Jorge Del Rio Vera United Nations Office for Outer Space Affairs		Rapporteur: Mr. Michael Friedl University of Vienna
09:15 – 09:30	Ms. Iana Grytsenko Belt & Road Education	<i>Education and Space Technology Enable Access to All</i>
09:30 – 09:45	Ms. Nunzia Maria Paradiso Italian Space Agency	<i>Access to Space for All: the Key Role of Capacity Building</i>
09:45 – 10:00	Mr. Ulisses Barres de Almeida Brazilian Center for Physics Research	<i>The Open Universe Initiative: Access to Space for All</i>
10:00 – 10:15	Mr. Otto Koudelka Graz University of Technology	<i>Small Satellites - Tools for Affordable Access to Space</i>
10:15 – 10:30	Mr. Miguel Yagües Palazón PLD Space	<i>Microlaunchers: Launch solutions for the increasing small satellites market and new ways to access to space</i>
10:30 – 10:45	Mr. Luciano Saccani Sierra Nevada Corporation	<i>Access to Space: Dream Chaser and Inflatable Habitat</i>
10:45 – 11:00	Questions and Answers	
Coffee Break 11:00 – 11:30		
UN-SPACE		
Moderator: Mr. Niklas Hedman United Nations Office for Outer Space Affairs		Rapporteur: Mr. Faye Gayane Cheikh Anta DIOP University
11:30 – 13:00	Ms. Shamika Sirimanne United Nations Conference on Trade and Development Mr. Weixi Gong United Nations Industrial Development Organization Mr. Ramesh Krishnamurthy World Health Organization Mr. Dominique Delattre International Atomic Energy Agency Ms. Anja Korenblik United Nations Office on Drugs and Crime Mr. Martin Kalinowski Comprehensive Nuclear-Test-Ban Treaty Organization Mr. Luc St-Pierre United Nations Office for Outer Space Affairs	

Lunch Break 13:00 – 14:00	
Session 4: Secure Space environment for All	
<i>Global governance of outer space activities is becoming increasingly important given the fast-changing “new space” environment with a steadily increasing number of actors.</i>	
Moderator: Ms. Romana Kofler United Nations Office for Outer Space Affairs	Rapporteur: Ms. Cordula Steinkogler University of Vienna
14:00 – 14:15	Mr. Stewart Bain NorthStar Earth & Space <i>Space Object Tracking: Creating A Secure and Sustainable Space Environment</i>
14:15 – 14:30	Mr. Jason Forshaw Astroscale <i>Towards Global Space Sustainability – Astroscales vision for active debris removal services</i>
14:30 – 14:45	Mr. Angelo Fontana Avio SpA <i>Vega In Orbit Services and Solutions – Focus on Debris Removal</i>
14:45 – 15:00	Ms. Kimberly Macharia ConsenSys <i>The Unifying Power of Space Debris: Using Collaborative Action Tools to Address the Clutter in Our Skies</i>
15:00 – 15:15	Ms. Lesley Jane Smith (TBC) Leuphana University Lueneburg <i>Regulating New Space and risk: are autonomous systems also sustainable</i>
15:15 – 15:30	Mr. Nathaniel Dailey MITRE <i>International Space Reference Architecture</i>
15:30 – 15:45	Questions and Answers
Coffee Break 15:45 – 16:00	
16:00 – 17:30	Poster Session Room C0229

THURSDAY, 21 NOVEMBER 2019 <i>Vienna International Centre (VIC)</i>	
Keynote Presentation	
09:30 – 10:00	Ms. Simonetta Di Pippo Director United Nations Office for Outer Space Affairs
PANEL I: SPACE ECONOMY	
<i>The wealth of options and arguments on why space is important for society, the need to guarantee access to space activities, and the need for a cooperative regulatory instrument for cooperation to ensure the benefits of space for societies.</i>	
Moderator: Mr. Ian Freeman United Nations Office for Outer Space Affairs	Rapporteur: Mr. Koloman Roiger-Simek University of Vienna
10:00 – 10:15	Mr. Christian Hoffmann Geoville
Panel Discussion	
10:15 – 11:15	Mr. Roberto Cossu European Space Agency
	Mr. Guillaume Prigent Centre national d'études spatiales
	Ms. Jenni Tapio Ministry of Economic Affairs and Employment of Finland
	Mr. William Ricard PricewaterhouseCoopers
	Mr. Emil Tsenov Enpulsion
Coffee Break 11:15 – 11:45	

PANEL II: SPACE SOCIETY

The attainment of the goals set by the 2030 Agenda for Sustainable Development with the support of space and how space can be a driver for social and economic sustainable development.

Moderator:

Mr. Sebastien Moranta

European Space Policy Institute

Rapporteur:

Ms. Panagiota Alexandra Fratti (TBC)

School of Salamina

**11:45 –
12:00**

Mr. Mark Doherty

European Space Agency

Panel Discussion

Ms. Dominique Tilmans

EURISY

Mr. Andreas Bauer

Ars Electronica Center

**12:00 –
13:00**

Ms. Clémentine Decoopman

Space Generation Advisory Council

Mr. Christopher Lehnert or Mr. Joachim Post

German Aerospace Center

Ms. Jolanda van Eijndthoven

European Commission

Afternoon:

Technical Tours

FRIDAY, 22 NOVEMBER 2019 <i>Vienna International Centre (VIC)</i>	
PANEL III: SPACE ACCESSIBILITY	
<i>The various means of access to space, space technology data and facilities, and the importance of joining a global effort in the development of the entire space arena for the benefit of humanity.</i>	
Moderator: Mr. Andreas Geisler Austrian Research Promotion Agency	Rapporteur: Mr. Tatsat Thakore Indian Space Research Organisation
09:30 – 09:45	H.E. Ogbonnaya Onu Minister of Science and Technology Federal Government of Nigeria
	Panel Discussion
09:45 – 10:45	<p>Mr. Richard Buenneke U.S. Department of State</p> <p>Ms. Irmgard Marboe University of Vienna</p> <p>Mr. Tim Flohrer European Space Agency</p> <p>Mr. Daniel Oltrogge Center for Space Standards and Innovation</p> <p>Mr. Liang He Ministry of Foreign Affairs China</p>
Coffee Break 10:45 – 11:15	

PANEL IV: SPACE DIPLOMACY

The attention of governments to the need for regulatory frameworks and mechanisms at national, regional and global levels, as well as the role of international mechanisms for cooperation in the peaceful exploration and use of outer space.

Moderator:		Rapporteur:		
Mr. Niklas Hedman United Nations Office for Outer Space Affairs		Mr. Michael Friedl University of Vienna		
11:15 – 11:30	Mr. Jean-Jacques Tortora European Space Policy Institute			
Panel Discussion				
11:30 – 12:30	Mr. David James Edmondson UK Foreign and Commonwealth Office			
	Mr. Andre Rypl Brazil, Chair COPUOS			
	Mr. Xu Yansong Asia-Pacific Space Cooperation Organization			
	Mr. Niccolò Invidia Italian Parliament Representative			
12:30 – 13:00	Mr. Andrzej Misztal Poland, Chair LSC			
	Concluding Remarks			
	Ms. Margit Mischkulnig Head of Department Space Affairs Federal Ministry for Transport, Innovation and Technology			
12:30 – 13:00	Ms. Simonetta Di Pippo Director United Nations Office for Outer Space Affairs			
	Farewell – Coffee			