



2018 SPACE SECURITY CONFERENCE

SPACE SECURITY: THE NEXT CHAPTER

7 and 8 May 2018, Room XXIII of the Palais des Nations, United Nations Office at Geneva

A Conference organized by the United Nations Institute for Disarmament Research in collaboration with the Secure World Foundation and The Simons Foundation Canada

CONFERENCE PROGRAMME

Monday, 7 May 2018

08:30 - 9:00 *Welcome coffee*

09:00 - 09:30 **Opening Session**

09:00 Welcoming Remarks

Dr Renata DWAN, Director, UNIDIR

Ms Victoria SAMSON, Washington Office Director, Secure World Foundation

09:15 Opening Address

Mr Michael MOLLER, Director General, UN Office of Geneva

09:30 - 11:00 **Panel 1. National and Regional Approaches to Space Security**

Chair: Dr Renata DWAN, Director, UNIDIR

09:30 Russian Federation

Mr Andrey GREBENSCHIKOV, Ministry of Foreign Affairs, Russian Federation

09:45 Luxembourg

Mr Georges SCHMIT, Special Envoy of the Government of Luxembourg, SpaceResources.lu

10:00 Africa and the Middle East

Mr Hatem ELATAWY, Deputy Director, Cairo International Center for Conflict Resolution, Peacekeeping and Peacebuilding

10:15 People's Republic of China
Ambassador Mr FU Cong, Ambassador for Disarmament Affairs, Deputy Permanent Representative,
Permanent Mission of the People's Republic of China to the United Nations Office at Geneva and Other
International Organizations in Switzerland

10:30 Q&A

11:00 - 11:15 Coffee Break

11:15 – 12:45 Panel 2. Coming into Focus: a look at the maturing space economy

Chair: Mr Naser AL RASHEDI, Director, Space Policy and Regulations, UAE Space Agency

11:15 Satellite Broadband: deploying broadband to the Southern Hemisphere
Ms Neha SATAK, Co-Founder and CEO, Astrome Technologies

11:30 Space Manufacturing
Mr Andrew RUSH, President/CEO, Made in Space, Inc

11:45 Small Satellite Launch Vehicles
Mr Peter BECK, CEO, Rocket Lab

12:00 Rendezvous and Proximity Operations (RPOs)
Ms Victoria SAMSON, Director, Washington Office, Secure World Foundation

12:15 Q&A

12:45 - 14:30 Lunch Break

13:30 - 14:00 Special Lunchtime Event: presented by Secure World Foundation

13:30 Global Counterspace Capabilities: An Open Source Assessment

14:30 - 16:00 Panel 3. Established Regimens, New Realities: are existing rules and practices enough?

Chair: Ms Kerstin Vignard, Deputy to the Director and Chief of Operations, UNIDIR

14:30 The Outer Space Treaty and its Role in Modern Space Security
Dr Guoyo WANG, Deputy Director, Institute of Space Law, Beijing Institute of Technology

14:45 Evaluating the Role of Consensus Within the UN System
Ms Karoline MARBURGER, German Aerospace Center (DLR)

15:00 Do Space Transparency and Confidence-Building Measures Have a Future?
Ambassador (Ret.) Mr Paul MEYER, The Simons Foundation

15:15 Space Situational Awareness Data Sharing: reviewing old methods and new capabilities
Dr Asha BALAKRISHNAN, Core Staff Member, Science and Technology Policy Institute

15:30 Q&A

16:00 - 16:15 Tea Break

16:15 - 17:45 Panel 4. Space Security for People on Earth

Chair: Ambassador Ms Yvette STEVENS, Ambassador Extraordinary and Plenipotentiary Permanent Representative of the Republic of Sierra Leone to the United Nations Office and other international organizations in Geneva

16:15 Space and Poverty: using Earth observation to tackle poverty driven security issues

Mr Keith GARRETT, Senior Geographer, Geospatial Operations, World Bank Group

16:30 Space and Environmental Security

Mr Antonio CICCOLELLA, Head of the ESA System Architecture Office Directorate of Earth Observation Programmes

16:45 Space Security and Gender: incorporating the gender perspective into decision-making processes

Ms Sara LANGSTON, CEO and Principal Consultant, Senmurv Consulting LLC

17:00 Q&A

Tuesday, 8 May 2018

09:00 - 09:15 Keynote Address

09:00 Moving PAROS forward: an update

Ambassador Mr Guilherme de Aguiar PATRIOTA, Special Representative of Brazil to the Conference on Disarmament

09:15 - 10:45 Panel 5. Emerging challenges

Chair: Mr Chris JOHNSON, Space Law Advisor, Secure World Foundation

09:15 Telecommunication Security: threats to the space segment of international telecommunication networks

Mr Alexandre VALLET, Chief, Space Services Department, International Telecommunication Union (ITU)

09:30 Upgrading Strategic Missile Defense Systems: implications for tensions in the space domain

Dr Laura GREGO, Senior Scientist, Union of Concerned Scientists

09:45 Quantum Computing for Satellite Communications: a revolution for encrypted communications

Professor Thomas JENNEWEIN, Quantum Encryption and Science Satellite, University of Waterloo

10:00 Military Outsourcing: legal and security consequences for commercial operators

Professor Kazuto SUZUKI, Associate Professor, Hokkaido University

10:15 Q&A

10:45 - 11:00 Coffee Break

11:00 - 12:30 Panel 6. Searching for Viable Steps: gauging options big and small

Chair: Ambassador (Ret.) Mr Paul MEYER, The Simons Foundation

11:00 UN Group of Governmental Experts on Substantial Elements of an International Legally Binding Instrument on PAROS, Including, *inter alia*, on the Prevention of the Placement of Weapons in Outer Space

Ms ZUO Rui, Deputy Director, Department of Arms Control, Ministry of Foreign Affairs,
People's Republic of China

11:15 No First Placement

Mr Andrey GREBENSCHIKOV, Ministry of Foreign Affairs, Russian Federation

11:30 Anti-Satellite Test Guidelines: no debris, low debris, notification

Mr. Daniel PORRAS, Space Security Fellow, UNIDIR

11:45 Shifting Alliances: evaluating the possible in today's security environment

Dr Rajeswari Pillai RAJAGOPALAN, Senior Fellow and Head of the Nuclear and Space Policy Initiative,
Observer Research Foundation

12:00 Q&A

12:30 - 12:45 Closing Session

12:30 Closing Remarks

Ambassador (Ret.) Paul MEYER, The Simons Foundation

This event was organised with support from
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