



## 2017 SPACE SECURITY CONFERENCE

### “Celebrating the Outer Space Treaty: 50 Years of Space Governance and Stability”

20–21 April 2017, Room XXVII, Palais des Nations, United Nations Office at Geneva

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

With support from the Governments of the People’s Republic of China and the Russian Federation

## Conference Programme

### Thursday, 20 April 2017

**09:00 – 09:30** *Welcome coffee*

#### **09:30 – 10:00** **Opening Session**

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09:30 Welcome Remarks  
*Mr Jarmo Sareva, Director, United Nations Institute for Disarmament Research (UNIDIR)*

09:45 Opening Remarks  
*Dr Michael Simpson, Executive Director, Secure World Foundation*

#### **10:00 – 11:30** **Panel 1 – National and Regional Approaches to Space Security**

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*Chair: Ambassador (Ret.) Paul Meyer, Senior Fellow, The Simons Foundation Canada*

10:00 China  
*Mr Wei Liu, Division Director, Ministry of Foreign Affairs, People’s Republic of China*

10:15 India  
*Ms Rachita Bhandari, First Secretary, Permanent Mission of India to the Conference on Disarmament, Geneva*

10:30 The European Union  
*Mr Bruno Hanses, Senior Expert for Disarmament, Non-proliferation and Arms Export Control, European External Action Service (EEAS), European Union*

10:45 The Russian Federation  
*Mr Andrey Belousov, Head of Division, Department of Non-proliferation and Arms Control, Ministry of Foreign Affairs Russian Federation*

11:00 Q & A

**11:30 – 11:45** *Coffee Break*

## **11:45 – 13:00 Panel 2 – Foundational Concepts of Space Security**

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*Chair: Ms Victoria Samson, Washington Office Director, Secure World Foundation*

11:45 Space Security, Deterrence and Strategic Stability

*Dr Rajeswari Pillai Rajagopalan, Senior Fellow and Head of the Nuclear and Space Policy Initiative, Observer Research Foundation (ORF)*

12:00 The Outer Space Regime and Global Space Governance

*Mr Duncan Blake, Deputy Editor-in-Chief, MILAMOS Project (Manual on International Law Applicable to Military Uses of Outer Space)*

12:15 Space Situational Awareness

*Ms Victoria Samson, Washington Office Director, Secure World Foundation*

12:30 Q & A

**13:00 – 14:45 Lunch Break**

## **14:45 – 15:00 Keynote**

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14:45 Looking Back: 50 Years of the Outer Space Treaty

*Dr David Kendall, Chair, United Nations Committee on the Peaceful Uses of Outer Space (UN COPUOS 2016-2018)*

## **15:00 – 16:30 Panel 3 – The Outer Space Regime in an Evolving Space Environment**

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*Chair: Ms Elisabeth Quintana, Senior Research Fellow, The Royal United Services Institute (RUSI)*

15:00 Counterspace Capabilities

*Dr Xavier Pasco, Director, Fondation pour la Recherche Stratégique (FRS)*

15:15 Cyber Security of the Space Eco-System

*Dr Nathan Weiss, Senior Scientist, Cyber Division, Israel Aerospace Industries*

15:30 The Changing Space Security Environment – A Transatlantic View

*Mr Douglas Loverro, Former Deputy Assistant Secretary of Defense for Space Policy*

15:45 "New Space" Actors

*Dr Rogel Mari Sese, Program Leader of the Philippine Space Development Programme, Philippines' Department of Science and Technology (DOST)*

16:00 Q & A

**16:30 – 16:45 Coffee Break**

## **16:45 – 18:00 Panel 4 – Next Generation of Space Activities**

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*Chair: Dr Olga Volynskaya, Chief International Law Adviser, State Space Corporation "Roscosmos"*

16:45 Active Debris Removal and On-Orbit Satellite Servicing

*Mr Nobu Okada, Chief Executive Officer, Astroscale*

17:00 Resource Extraction

*Prof. Tanja Masson-Zwaan, Deputy Director, International Institute of Air and Space Law, Leiden University*

17:15 Large Constellations and Small Satellites

*Ms Joanne Wheeler, Partner, Bird & Bird*

17:30 Q & A

**Friday, 21 April 2017**

**09:30 – 11:00 Panel 5 – Multilateral International Initiatives: Status Update and Ways Forward**

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*Chair: Ms Vivian Loss Sanmartin, Minister Counsellor, Alternate Permanent Representative, Permanent Mission of Brazil to the United Nations, Vienna*

09:30 Prevention of the Placement of Weapons in Outer Space, the Threat or Use of Force against Outer Space Objects (PPWT)

*Mr Li Zhang, Second Secretary, Ministry of Foreign Affairs, People's Republic of China*

09:45 International Code of Conduct for Outer Space Activities

*Mr Bruno Hanses, Senior Expert for Disarmament, Non-proliferation and Arms Export Control, European External Action Service (EEAS), European Union*

10:00 UN COPUOS Working Group on the Long-Term Sustainability of Outer Space Activities

*Dr David Kendall, Chair, United Nations Committee on the Peaceful Uses of Outer Space (UN COPUOS 2016-2018)*

10:15 No First Placement of Weapons in Outer Space

*Mr Andrey Belousov, Head of Division, Department of Non-proliferation and Arms Control, Ministry of Foreign Affairs Russian Federation*

10:30 Q & A

**11:00 – 11:15 Coffee Break**

**11:15 – 12:45 Panel 6 – Looking ahead**

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*Chair: Mr Massimo Pellegrino, Researcher, United Nations Institute for Disarmament Research (UNIDIR)*

11:15 GGE on Space TCBMs: What Next?

*Mr Hellmut Lagos, Chair, Legal Subcommittee, United Nations Committee on the Peaceful Uses of Outer Space (UN COPUOS 2016-2018)*

11:30 Safety, Security and Sustainability of Outer Space Activities: UNOOSA and TCBMs Looking Forward

*Ms Tanya Keusen, Associate Programme Officer, United Nations Office for Outer Space Affairs (UNOOSA)*

11:45 SWF's Handbook for New Actors in Space

*Dr Michael Simpson, Executive Director, Secure World Foundation*

12:00 The Outer Space Treaty and the Future of Space Security Diplomacy

*Ambassador (Ret.) Paul Meyer, Senior Fellow, The Simons Foundation Canada*

12:15 Q & A

**12:45 – 13:00 Closing Session**

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12:45 Closing Remarks

*Ambassador (Ret.) Paul Meyer, Senior Fellow, The Simons Foundation Canada*