



**Space Security Conference 2013:
Enhancing confidence, securing space stability
2 - 3 April 2013, Room XII, Palais des Nations, Geneva**

Organized by
The United Nations Institute for Disarmament Research
in collaboration with Chatham House, Secure World Foundation and The Simons Foundation

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Agenda

2 April 2013

0830 - 0845	Opening remarks by UNIDIR
0845 - 1000	PANEL I: Space security threats: exploring current vulnerabilities in outer space <i>What are the current threats to space-based services? How will such risks impact socio-economic developments facilitated by space-based services? What are the new paradigms to which military and civilian space actors will have to adapt in the near future?</i> Speakers: H.E. Mr Wu Haitao, Ambassador for Disarmament Affairs and Deputy Permanent Representative to the United Nations Office at Geneva, People's Republic of China Mr Vladimir Yermakov, Deputy Director, Department for Security Affairs and Disarmament, Ministry of Foreign Affairs, Russian Federation Mr Amandeep Singh Gill, Minister, Permanent Mission of India to the Conference on Disarmament Mr Frank Rose, Deputy Assistant Secretary of State for Space and Defense Policy, Department of State, United States of America
1000 - 1030	Coffee break

1030 - 1145	<p>PANEL II: Multilateral non-binding initiatives: an update on international co-operative efforts on space security</p> <p><i>More and more proposals for options to address existing space security threats entail co-operative initiatives. What are these initiatives? How are they undertaking the task of organizing multilateral consultations? How do they account for the wide array of interests that exist between space-faring nations and emerging actors in space?</i></p> <p>Speakers:</p> <p>UN Group of Governmental Experts on TCBMs in Outer Space Activities (Mr Victor Vasiliev, Chair, UN Group of Governmental Experts on TCBMs in Outer Space Activities)</p> <p>UNCOPUOS Scientific & Technical Subcommittee's Working Group on the Long-Term Sustainability of Outer Space Activities (Dr Peter Martinez, Chair, UNCOUOS Scientific & Technical Subcommittee's Working Group on the Long-Term Sustainability of Outer Space Activities)</p> <p>International Code of Conduct for Outer Space Activities (Ambassador Jacek Bylica, Principal Adviser and Special Envoy, Non-proliferation and Disarmament, European External Action Service, European Union)</p>
1145 - 1200	<p>Remarks by Mr Kassym-Jomart Tokayev Director General of UNOG; Secretary-General of the Conference on Disarmament and Personal Representative of the United Nations Secretary- General to the Conference</p>
1200 - 1230	<p>Sandwich lunch</p>
1230 - 1345	<p>PANEL III: Emerging space security threats: anticipating the challenges of tomorrow for human space activities</p> <p><i>As space technology evolves and human dependence on space-based applications grows, what will be the new security challenges that face human activities in outer space? What are the lessons that can be applied to new initiatives to meet new space security threats?</i></p> <p>Speakers:</p> <p>Growing dependence, growing vulnerability: an analysis of the critical role played by space-based applications and the potential impact of instability in outer space (Prof. Frans von der Dunk, University of Nebraska College of Law)</p> <p>Cyber security for space assets: an analysis of space system vulnerabilities to cyber-attacks (Mr Dave Clemente, Research Associate, International Security, Chatham House)</p> <p>Radiofrequency interference: the potential impact of intentional and accidental interference for space security (Mr Yvon Henri, Chief, Space Services Department, International Telecommunications Union)</p> <p>Space weaponization: an analysis of political and technological developments which could impact the placement of weapons in outer space (Prof. Joan Johnson-Freese, National Security Affairs, U.S. Naval War College)</p>
1345 -1500	<p>PANEL IV: Taking account of non-traditional voices: emerging space actors, NGOs and their impact on current efforts to make progress on finding solutions for space security challenges</p> <p><i>New actors, including NGOs, are emerging as crucial players in dialogues regarding outer space security. What are the space security concerns for these new actors? How do these interests compare to those of traditional space powers? What can these actors contribute to ongoing space security dialogues?</i></p>

1345 - 1500	<p>Speakers:</p> <p>The diplomatic context: what prospects for progress? (Amb. (retd.) Paul Meyer, Senior Fellow, The Simons Foundation)</p> <p>Contributing to the dialogue: what do NGOs offer to the ongoing multilateral initiatives? (Ms Agnieszka Lukaszczyk, Brussels Office Director, Secure World Foundation)</p> <p>Emerging space leaders: what are the space security concerns of rising space powers and what do they bring to multilateral initiatives? (Mr Mohamed Hatem Elatawy, Officer in Charge of Disarmament, Mission of Egypt to the United Nations and other International Organizations in Geneva)</p> <p>The role of regional organizations in promoting the participation of emerging state actors in multilateral initiatives for space activities (Dr Sergio Camacho, Secretary General, Centro Regional de Enseñanza de Ciencia y Tecnología del Espacio para América Latina y el Caribe - CRECTEALC)</p>
1500 - 1530	Coffee break
1530 - 1645	<p>PANEL V: Lessons from private actors: analysis of innovations by the commercial space sector on new methodologies for contributing to space security initiatives</p> <p><i>Commercial actors are growing in resources and expertise, representing a different perspective that can contribute to the dialogue on space security issues. How have commercial actors adapted to emerging threats in space where there has been little or no regulatory guidance? What space security issues will be most challenging for these actors in the next few years?</i></p> <p>Speakers:</p> <p>Private efforts to mitigate space debris: a commercial perspective (Mr Jean-François Bureau, Director of Institutional and International Affairs, Eutelsat SA)</p> <p>The Space Data Association: how commercial operators have developed their own transparency and confidence-building measures for satellites (Mr Stewart Sanders, Executive Director, Space Data Association)</p> <p>Debris and insurance: the impacts of space debris on future insurance premiums for satellite operators (Ms Cécile Gaubert, Head of Contracts, Marsh SA)</p>
1645 - 1705	<p>Special presentation: NGOs in space security: reasons for engagement</p> <p><i>Discussion of the rationale behind NGO engagement in space security issues.</i></p> <p>Special presentations from:</p> <p>Amb. (retd.) Paul Meyer, Senior Fellow, The Simons Foundation</p> <p>Dr Michael Simpson, Executive Director, Secure World Foundation</p> <p>Mr Dave Clemente, Research Associate, International Security, Chatham House</p>
1705	Closing

3 April 2013

0930 - 0945	Opening statement and summary of the previous day
0945 - 1100	<p>PANEL VI: Assessing the comprehensiveness of legal frameworks for outer space activities and security</p> <p><i>Are existing tools and frameworks which govern outer space activities adequate for dealing with emerging security threats in space? Should the space treaties be updated? Are there applicable rules which speak to conflict in space? What are the lessons to be learned from initiatives to develop unified approaches to space security issues?</i></p> <p>Speakers:</p> <p>Assessing the feasibility of updating the existing UN outer space treaty regime: an appraisal of current proposals for new regulations for space activities (Prof. Setsuko Aoki, Faculty of Policy Management, Keio University)</p> <p>Emerging norms of behaviour: how do guidelines and frameworks contribute to the establishment of norms for responsible behaviour (Prof. Li Juqian, China University of Political Science and Law)</p> <p>The EU, ESA and Europe: lessons for those seeking to establish a unified space security approach (Dr Xavier Pasco, Senior Research Fellow, Fondation pour la Recherche Stratégique)</p>
1100 - 1130	Coffee break
1130 - 1300	<p>PANEL VII: Tomorrow's cooperative approaches: assessing next steps for collaborative efforts in space and the potential roles of emerging, civil and commercial actors</p> <p><i>What will be the next steps for the development of international space policies? How can the interests of non-traditional space actors be incorporated into ongoing dialogues regarding space security, including the participation of emerging states and non-governmental actors? How can the innovations of these actors be reflected in negotiations taking place in various multilateral fora?</i></p> <p>Speakers:</p> <p>Where are we now? Given the legal and political realities of current space security issues, what are the next steps needed? (Dr John Sheldon, Senior Fellow in Security Studies, Canada Centre for Global Security Studies, University of Toronto)</p> <p>Looking ahead to African space initiatives: the work of the African Union in developing regional options for improving access to space-based services (Dr Abdul-Hakim Elwaer, Director of Department of Human Resources, Science and Technology, African Union Commission)</p> <p>Ensuring widespread representation: supporting tomorrow's space actors' participation in space security dialogues (Dr Rajeswari Rajagopalan, Senior Fellow, Observer Research Foundation)</p> <p>Incorporating non-traditional space actors in multilateral dialogues: taking into account the perspectives of NGOs, IGOs and the commercial space sector (Dr Yasushi Horikawa, Chair, UNCOPUOS)</p>
1300 - 1330	Wrap up statements
1330	Closing