



PROMOTING COOPERATIVE SOLUTIONS FOR SPACE SUSTAINABILITY



Brussels Space Policy Round Table: Cooperation vs. Competition in Space Activities

21 May 2013, 18.00 – 20.00

Secure World Foundation
Rue de la Science 14B, 1040 Brussels

List of speakers & biographies

Simonetta DI PIPPO was appointed as the ESA Director of Human Spaceflight (D/HSF) in April 2008 until April 2011. Mrs Di Pippo is an astrophysicist and, before joining ESA, worked for the Italian space agency (ASI) since 1986, before it was actually formally established in 1998. During her career she has held several key positions in fields such as Earth Observation, Advanced Studies, Robotic Systems and the International Space Station (ISS) Programme (as a delegate to the supervising Board since 1988) with broad responsibilities in programme management and international relations. Between 1999 and 2002 she acted as ASI's Secretary General. During that period she chaired the ESA Board of Potential Participating States preparing the European Exploration Programme and she was entrusted the responsibility to coordinate the first mission of an Italian astronaut on a Russian Soyuz (Roberto Vittori's 'Marco Polo' mission, April 2002). Similarly she was designated, in 2007, by the Italian government to supervise the ESA/ASI Esperia mission of astronaut Paolo Nespoli as crew member of STS-120 that delivered the Node-2 to the ISS.

At international level, she was one of the founders of both the International Lunar Exploration and the International Mars Exploration Working Groups (ILEWG and IMEWG) and was appointed by NASA as international Team Member of the Mars Architecture Study. Her familiarity with international cooperation and her visionary approach to space exploration led her to be instrumental in creating a group of 14 space agencies providing a coordination framework for space exploration as a global endeavour. In 2002 she became Director of ASI's space science and exploration department (Osservazione dell'Universo). In 2005 she was appointed as Chair of ESA's Board supervising large space programmes such the European contribution to the ISS, the microgravity research activities and the European 'Aurora' Exploration Programme with its ExoMars mission. She was knighted (Cavaliere Ufficiale al Merito) by the President of the Italian Republic in 2006.

She has authored several scientific and technical papers and a book.

Current position: Chair, Advisory Council, International Space Safety Foundation at ISSF; Special Advisor to the ESA Director General at ESA.

Theresa HITCHENS has been Director of UNIDIR since January 2009. Previously, she was director of the Center for Defense Information and led its Space Security Project, in cooperation with Secure World Foundation. The author of *Future Security in Space: Charting a Cooperative Course*, she has written on space and nuclear arms control issues for a number of journals and publications. She serves on the editorial board of the *Bulletin of the Atomic Scientists*.

Theresa has had a long career in journalism, with a focus on military, defence industry and NATO affairs. She was Director of Research at the British American Security Information Council, a think tank based in Washington and London. Prior to that, she was with *Defense News* from 1988 to 2000, including five years as the newspaper's first Brussels bureau chief from 1989 to 1993, and as the Editor from 1998 to 2000. From 1983 to 1988, she worked at Inside Washington Publishers, covering issues from nuclear waste to electronic warfare and military space.

Some of her publications include:

- "The United Nations and its Efforts to Develop Treaties, Conventions or Guidelines to Address Key Space Issues Including the De-weaponization of Space and Orbital Debris", in Pelton and Jakhu (eds), *Space Safety Regulations and Standards*, 2010.
- "Multilateralism in Space: Opportunities and Challenges for Achieving Space Security", *Space & Defense*, vol. 4, no. 2, 2010.
- "Saving Space: Threat Proliferation and Mitigation", commissioned in 2009 by the International Commission on Nuclear Non-Proliferation and Disarmament.
- "Debris, Traffic Management, and Weaponization: Opportunities for and Challenges to Cooperation in Space", *The Brown Journal of World Affairs*, vol. 14, no. 1, 2007.
- "The Perfect Storm: International Reaction to the Bush National Space Policy", *High Frontier*, vol. 3, no. 2, 2007.
- *European Military Space Capabilities: A Primer*, with Tomas Valasek, 2006.
- *Future Security in Space: Charting a Cooperative Course*, 2004.

Aarti HOLLA has been Secretary General of 'ESOA', the association of all European satellite operators, since 2004. She works on key issues impacting the industry, strengthening awareness of the benefits of satellite-delivered services with key decision-makers to ensure the global availability of these services & their contribution to key policy objectives such as the Digital Agenda for Europe or emergency communications, to name but a few. In addition Ms. Holla is a member of the World Economic Forum's Global Advisory Council on Space Security where she contributes the private sector perspective to global discussions.

Ms. Holla has 16 years professional experience in the aerospace industry. Prior to ESOA, she represented EADS Astrium in the joint venture company Galileo Industries in Brussels, where she worked closely with European Institutions on the development of the public private partnership scheme of the Galileo programme. Ms. Holla worked at DaimlerChrysler Aerospace (now EADS) in Munich, Germany on project & strategic management before moving to Brussels.

Ms. Holla holds an MBA from HEC in France, a diploma in German law from the University of Passau in Germany and a law degree from King's College at the University of London. She has previously given workshops on negotiation skills for young managers. She qualified as a Solicitor of the Supreme Court in London in 1995, working with the law firm of Pritchard Englefield. She lives in Brussels, has 3 children and speaks 5 languages.

Andrea JAIME ALBALAT (Andrea Jaime) is a Spanish aerospace engineer that was born in Onda, Spain. She earned in 2007 a double undergraduate degree in both Aeronautical and Mechanical Engineering from the Universitat Politècnica de Catalunya (UPC), in Barcelona. During these studies, she spent one year at the North East of Wales Institute (NEWI) in the United Kingdom. In 2010, Andrea earned her masters in Aerospace Science and Technology, also from UPC in Barcelona (2010). Additionally, Andrea is an alumni of the International Space University's (ISU's) Summer Studies Program (SSP) 2009 which was hosted by the NASA Ames Research Center in California, USA. Andrea also completed the CVA (Communauté des Villes Ariane) Summer School, hosted by Rome in 2011.

She started her professional career working as part of the organisational committees of several workshops and conferences including, ISU's SSP 2008 in Barcelona. Since then, Andrea has worked at the European Space Agency as a Young Graduate Trainee. Based at ESTEC in the Netherlands she worked for the Human Spaceflight and Operations Directorate. In October 2011, she moved to Vienna to work as the Deputy Executive Director of SGAC, which lead her to become the Executive Director in July 2012.

Andrea is an enthusiast of space exploration and strongly believes in the power of the space sector for the development and improvement of Earth.

Agnieszka LUKASZCZYK is the Brussels Office Director for Secure World Foundation and has seven years of professional experience in the international space policy arena at an executive level.

Currently, Lukaszczyk is based in Brussels, Belgium where she is spearheading and actively facilitating international dialogue regarding space policy and space security matters. Her work involves working with the European institutions, NGOs, academia, space agencies and more. In addition Agnieszka Lukaszczyk works closely with the United Nations (UN) space activities covering the UN Committee on the Peaceful Uses of Outer Space (COPUOS) and the UN General Assembly

From 2006 until 2009, Lukaszczyk has served as the Executive Officer for the Space Generation Advisory Council (SGAC) in support of the UN Programme on Space Applications. In 2009 she was elected the SGAC Chairperson for two years. Currently she is serving on the advisory board of SGAC. In addition, during the period of September 2006 to June 2008, Agnieszka was a researcher at the European Space Policy Institute. Agnieszka is also the Vice President - Europe for World Space Week and sits on the board of the Women in Aerospace Europe. Read Ms. Lukaszczyk's publications now.

Lukaszczyk holds a Bachelor's of Science in Political Science, from the University of Tennessee and a Masters from the American University School of International Service in International Politics. She also studied at the Université Catholique de Louvain in Brussels, Belgium; the Jagiellonian University in Krakow, Poland and the World Trade Institute in Berne, Switzerland. She gained professional experience at the Political Section of the Polish Embassy in Washington DC, American Electronics Association in Brussels, European Department of the Polish Senate in Warsaw and the Warsaw Business Journal.

Mazlan OTHMAN was educated in Malaysia and studied Physics at the University of Otago, New Zealand. On returning to Malaysia in 1981, she pioneered an academic programme on astrophysics at the National University of Malaysia and was appointed Professor of Astrophysics in 1994. She was seconded to the Prime Minister's Department in 1990 to direct the establishment of the National Planetarium, under the Space Science Studies Division. As its Director-General, she also led the design and manufacture of Malaysia's first remote-sensing satellite, TiungSAT-1, launched in 2000.

In 1999, she was appointed Director of the United Nations Office for Outer Space Affairs (UNOOSA) and, in 2002, returned to Malaysia to set up the National Space Agency. As Director-General, she established the National Space Centre which houses TT&C, AIT, calibration and research facilities; founded the Langkawi National Observatory; and initiated the programme which placed the world's first remote-sensing satellite in the near-Equatorial orbit. She spearheaded the Angkasawan Programme which saw the launch of the first Malaysian astronaut to the International Space Station in 2007. That year, she resumed the post of Director of UNOOSA. In 2009, she was appointed Deputy Director-General of the United Nations Office at Vienna (UNOV).

She is a fellow of several professional bodies and is the recipient of several national and international awards.