



## List of speakers and biographies

**Frank ASBECK** is Principal Adviser for Space and Security Policy, European External Action Service.

Born 1949, he studied physics, law and political science in Germany and war studies in London. He started his professional career at the International Institute for Strategic Studies in London, dealing with military usage of space and arms control. He then joined the German public service to deal with arms control, CBRN proliferation and East-West technology transfer. Following his assignment to the German Embassy in Brussels, he became Deputy Director of the Western European Union Satellite Centre in Torrejón, Spain.

From 2001 onwards, he worked at the European Commission, at last as the head and Director of the newly created Security Directorate.

In 2005, he moved back to Torrejón as the Director of the EU Satellite Centre.

Since January 2010, he has been Principle Adviser for Security Policy, first in the Commission (DG RELEX), and now in the European External Action Service, dealing with matters such as space policy and cyber security.

**Christoph BECKER** is Head of Division, Strategy and International Relations, DLR since 2009.  
- Strategy fields: Aeronautics, Space, Energy, Transport, Security, Corporate Development.

Head of Space and Technology Issues, Political Affairs Germany, EADS Bonn (2006-2009)  
- supporting ASTRIUM Business Units in all civil and military space projects

Representative of the Executive Board of the German Aerospace Centre (DLR) for "European Space Policy" (2004-2006)

- DLR position regarding "European Space Policy"; member of EU High Level Space Policy Group (HSPG), Preparation of ESA Councils; budget negotiations with government / parliament

Head of Strategic Planning DARA (1993-1997); DLR (1997-2003)

- drafting German Space Programme; DLR-position "European Space Policy"

Head of Mission Planning (Utilization of Spacelab-Missions), DARA, (1991-1993)

- German Space Agency (DARA); Europeanization of Spacelab D1, D2 missions

Scientific Assistant, German Aerospace Centre (DLR): Utilisation of Columbus, Space Station ISS (1988-90)

- establishing a database for future experiments on ISS; expert in space operations

Scientific Assistant, University of Siegen (1984-1987), High Energy Physics at CERN

- CP Violation in neutral meson oscillations (K0-system)

**Gérard BRACHET** is Consultant in space policy, Vice-President of the International Astronautical Federation (IAF), Chairman of its Committee on Liaison with International Organizations and Developing Nations (CLIODN), President of the Air and Space Academy (Académie de l'Air et de l'Espace), Member of the International Academy of Astronautics.

Engineering degree from the Ecole Nationale Supérieure d'Aéronautique (1967)

Master of Sciences in Aeronautics and Astronautics from the University of Washington (1968)

1970 to 1982: various positions at Centre National d'Etudes Spatiales (CNES), the French Space Agency

Chairman of the European Space Agency's Programme Board for Earth observation from 1979 to 1981

1982 to 1994: Chairman and Chief executive officer of SPOT IMAGE, the company set up by CNES to develop the market for remote sensing imagery from the SPOT series of satellites.

1995, back at CNES as Director for programmes, planning and industrial policy

Director General of CNES from 1997 to 2002

Chairman of the international "Committee on Earth Observation Satellites (CEOS)" in 1997

From 2003 onwards, consultant on space policy issues and space applications, advising industry and government institutions, in particular the European Commission and the European Space Agency.

Research associate at Fondation pour la Recherche Stratégique (FRS), Paris.

From June 2006 to June 2008, chairman of the United Nations Committee for the Peaceful Uses of Outer Space (UN COPUOS)

Awards:

1985: "1985 Laurels" of Aviation Week and Space Technology

1992: Brock Gold Medal Award of the International Society for Photogrammetry and Remote Sensing

1994: Gold Medal of the British Remote Sensing Society

2007: "Social Sciences Award" of the International Academy of Astronautics.

Officier de l'Ordre National du Mérite

Officier de la Légion d'Honneur

**Jean-Louis FELLOUS** is the Executive Director of COSPAR (Committee on Space Research) since 2008. An atmospheric scientist by training, Dr. Jean-Louis Fellous was program manager of the U.S.-French ocean satellite TOPEX/Poseidon launched in 1992. He led Earth Observation programs at CNES until 2001 and ocean research at IFREMER until 2005. That same year Fellous was elected co-president of JCOMM (the WMO/IOC Joint Commission on Oceanography and Marine Meteorology). In mid-2005 Fellous was seconded by the CNES to the European Space Agency, and later appointed as the Executive Officer of the Committee on Earth Observation Satellites (CEOS), a position he held until end 2007. Fellous is the author or co-author of several books about satellites, climate change and space exploration.

**Augusto GONZALEZ** is the Head of "Space Policy and Coordination" in the Directorate-General for Enterprise and Industry (DG ENTR). He joined the European Commission in 1989. As an official he worked in different areas including education, human resources, financial management and space policy. He has held management positions since 2003 and was appointed to his current position in April 2010.

He graduated in History and holds a Master's degree in International Relations.

**Peter HULSROJ** is Director of the European Space Policy Institute, Vienna, Austria since 2011.

2008-2011	Director of Legal Affairs and External Relations, ESA
2004-2008	Legal Adviser, Preparatory Commission, The Comprehensive Nuclear-Test-Ban Treaty Organization, Vienna, Austria
1991-2004	Head of the Contracts & Legal Affairs Division, EUMETSAT
1989-1991	Contracts Officer, EUMETSAT, Darmstadt, Germany
1985-1989	Contracts Officer, the European Space Agency, ESTEC, Noordwijk, The Netherlands
1982-1985	Advokat (attorney), the law firm Bech-Bruun, Copenhagen, Denmark
1980-1981	LL.M, Harvard Law School, Cambridge, Mass., U.S.A. (private and public international law)
1974-1979	Cand. Jur. (LL.B.), University of Copenhagen, Denmark
1971-1974	Nysproglig student (general studies with emphasis on languages), Svendborg Statsgymnasium, Svendborg, Denmark

**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.

**Kevin MADDERS** is Managing Partner, Systemics Network International. Born in England in 1955, Kevin was inspired by the cascade of achievements in space exploration and technology of the 1960s. But a career in space seemed unthinkable; he instead chose law, while forming a lasting commitment to Europe, campaigning to keep Britain in the EU in 1975.

Following a spell as a barrister his inclination towards international affairs and research took Kevin to the Max Planck Institute in Heidelberg. As a young editor on the Encyclopedia of Public International Law, he volunteered to write the article on a new and still obscure body, ESA.

This fateful step brought Kevin into contact with an Aladdin's Cave of unpublished material in areas of keenest interest: space and Europe, mixed with Cold War strategic technology, science and economics. After taking his Masters at Yale to deepen and widen his grasp of especially policy science theory, he then immersed himself in doctoral research on European space integration at Cambridge, undertaking developments to systems theory as a tool to do so.

During research he was invited to join ESA in 1985; he completed his PhD part-time.

Kevin was the anchor man for the European/ESA delegations negotiating the original ISS Accords and negotiator for other cooperation agreements, including for Cassini-Huygens with NASA. Among several other things, he negotiated with US Trade Representative on launch services issues, represented ESA at the UNCOPUOS Legal Sub-Committee, and worked on the implications of the EU's expansion of competence to space, proposing with his ESA and now KU Leuven colleague Walter Thiebaut a framework agreement, an approach later implemented.

Kevin took research leave to write *A New Force at a New Frontier*, published by Cambridge University Press in 1997. This vast project allowed him to undertake the first (and only) comprehensive survey of the space sector in Europe and its development. His intention was to establish a baseline and basis for reflection on the future shape of policy and European space organization at a time of tumult in the aftermath of the Cold War and in light of the opportunities deeper EU involvement in space offered.

Broadening his career to becoming an ICT regulatory and policy adviser after opting for the private sector, Kevin in 1995 co-founded with space/ICT engineers and managers the multidisciplinary consultancy Systemics Network International; he is today its managing partner.

His varied practice has included policy, legislative and treaty drafting, arbitration and negotiation with a client portfolio that includes ESA, the EC, national authorities and a series of major but also smaller companies. Among other responsibilities, he chaired the Legal Experts Group on Eutelsat's privatization and the ICT committee of a chamber of commerce. Studies work has spanned such diverse themes as review of space partnership possibilities with China and scrutiny of the implementation of EU legislation, as well as a Financial Times management report on the satellite communications market in Europe.

Kevin holds visiting professorships at King's College London, on ICT law, and KU Leuven, on space policy and law, and is involved in various bodies associated with these fields, including the Institute for Space Policy and Law and ESPI's ESPRAN.

**Jean-Paul MALINGREAU** holds a degree in tropical agronomy (Cath. Univ. Louvain, 1970) and a Ph.D in Plant Ecology (Univ. Calif. Davis, 1980).

His research career started with the development of satellite-based monitoring methods for tracking changes in the vegetation cover of the world. He worked for an extensive period of time in Indonesia and South East Asia (FAO, Ford foundation and Agricultural Development Council).

In the early eighties he joined the NASA Earth Sciences Lab (Greenbelt, Md) where he pursued research on the global monitoring of the terrestrial biosphere. His first global satellite analyses revealed the early stages of the large scale deforestation processes that have since affected the Amazon Basin.

In 1986, he joined the European Commission in its Joint Research Centre- Ispra facilities where he developed a range of global earth observation based analyses in forestry (the TREES Project), biomass burning (the Global Fire Web), agriculture and land use.

He was instrumental in the development of the VEGETATION instrument on the SPOT satellites and, more recently, of the Proba-Vegetation satellite in collaboration with Belspo in Belgium.

Together with colleagues at the JRC, J.P Malingreau was at the origin of the GMES initiative in 1998.

At the JRC Brussels Headquarters he managed for many years the EC scientific work programme. He is currently advising the DG of the JRC on scientific foresight and policy anticipation.

**Géraldine NAJA** is Head of institutional matters and strategy office, ESA. Ms Naja is a graduate from the French Ecole Polytechnique, after which she specialised in chemical engineering at the Ecole Nationale Supérieure de Techniques Avancées (ENSTA). She is also a graduate of the French Institute for Political Studies (Sciences Po).

After her post-graduate research which she performed at ONERA, she joined ESA as payload engineer in the Space Station Programme.

In 1997 she became Responsible for European Policy in the Directorate of Strategy and External Relations, a post which she held until 2002. She was in charge of relations with European institutions, and she also elaborated together with CNES the Charter for Space and Major Disasters.

In 2003 she was seconded to the French Ministry of Research as Strategy Advisor to the Minister, until mid 2004. She then returned to ESA as responsible for institutional matters in the Director General's Policy Office, as well as for the General Studies Programme and the Advanced Concepts Team.

She has become Head of the EU Relations Office in 2011, where she is in charge of all institutional and policy matters related to the European Union. She has been Assistant Professor in Fluid Mechanics at ENSTA, and she teaches regularly on space policy.

**Rajeswari Pillai RAJAGOPALAN** is Senior Fellow at Observer Research Foundation (ORF), New Delhi. Dr Rajagopalan joined ORF after an almost five-year stint at the National Security Council Secretariat (2003-2007), where she was an Assistant Director. Prior to joining the NSCS, she was Research Officer at the Institute of Defence Studies and Analyses, New Delhi. She was a Visiting Professor at the Graduate Institute of International Politics, National Chung Hsing University, Taichung, Taiwan in early 2012. She has written two books, one on Chinese military strategy, *The Dragon's Fire: Chinese Military Strategy and Its Implication for Asia*, and the other on the US military strategy, *Uncertain Eagle: US Military Strategy* and a third book on Asian military strategies, *Clashing Titans: Military Strategy and Insecurity Among Asian Great Power* is ready for publication. Her research articles have appeared in edited volumes, and in *Strategic Analysis and CLAWS Journal*; Other writings have appeared in journals such as *Journal of Strategic Studies*, *Journal of Peace Research* and *Contemporary South Asia* and she has also contributed essays to national newspapers such as *Hindustan Times*, *Economic Times* and *Pioneer*. She has also lectured at the Army War College, MHOW and the National Defence College, New Delhi. Her areas of research interests include US foreign and security policies, including Indo-US relations, US missile defence issues, Asian military strategies and modernization, great power politics in Asia, Sino-Indian relations, nuclear and space security, arms control, and ethnic conflicts and Sri Lanka. She can be contacted at [rajeswarirajagopalan@gmail.com](mailto:rajeswarirajagopalan@gmail.com), [rpr@orfonline.org](mailto:rpr@orfonline.org)

**Frank ROSE** is Deputy Assistant Secretary for Space and Defense Policy Bureau of Arms Control, Verification and Compliance. Mr. Rose currently serves as the Deputy Assistant Secretary of State for Space and Defense Policy, Bureau of Arms Control, Verification and Compliance. In this position, he is responsible for advising the Assistant Secretary and, as required, the Undersecretary for Arms Control and International Security, on key issues related to arms control and defense policy. These issues include missile defense, military space policy, defense acquisitions, and conventional arms control. His responsibilities also include liaison with the U.S. Intelligence Community on issues related to the verification of arms control treaties and agreements.

Prior to joining the State Department June 2009, Mr. Rose held various national security staff positions in the U.S. House of Representatives, including service as a Professional Staff Member on both the House Armed Services Committee and the House Permanent Select Committee on Intelligence, where he focused on missile defense, defense policy, and intelligence issues.

Mr. Rose has also held numerous positions within the Office of the Secretary of Defense, including as Special Assistant to the Assistant Secretary of Defense for Strategy and Threat Reduction; and Policy Advisor in the Office of the Assistant Secretary of Defense for International Security Policy. Previous to that, he worked as a National Security Analyst with Science Applications International Corporation, and on the staff of U.S. Senator John F. Kerry (D-MA).

**Vincent SABATHIER** is President of Sabathier Consulting, a Washington D.C. LLC, where he focuses on strategy and business development services, as well as on low cost system integration, and transatlantic cooperation, in aerospace, defense and telecommunication.

Since 2005, he is a senior advisor to the Safran Group, a premier global technology company, and has been instrumental in expending Safran's support to the US national security programs in the field of propulsion systems.

In 2004 he founded Alsatis, a French telecom company that combines wireless technologies with satellite Broad Band and optical networks to fight the growing digital divide between urban and rural areas. He is also the CEO of Bloosurf LLC, a Delaware company headquartered in Maryland he founded in 2009. There, he is demonstrating thanks to an award from USDA/RUS that low cost broadband networks and operations can be sustainable in rural America.

From September 2004 to January 2010, Mr. Sabathier was a Senior Fellow with the Technology and Public Policy Program at the Center for Strategic and International Studies, CSIS, in Washington D.C. In March 2005, he started at CSIS the Space Initiatives program which he directed until January 2010. Mr. Sabathier is still a Senior Associate at CSIS.

From September 1999 to September 2004, Mr. Sabathier served as the Representative of the French Space Agency (CNES) in North America and as the Attaché for Space and Aeronautics at the Embassy of France in Washington, D.C. There, he focused on strengthening bilateral dialogue and cooperation with all branches of the United States government involved in aerospace.

Mr Sabathier began his career in aerospace in 1990 at the "Direction des Missiles et de l'Espace" for the French military procurement agency, DGA, and was detailed to the Directorate of Launchers at CNES, with the responsibility of aerodynamic studies for expendable launchers and for the optimization of the Ariane 5/Hermes system.

In 1991, he joined the staff of the Directorate of Launchers as the lead engineer for the development of the upper part and for the solid booster recovery system of the Ariane 5 rocket.

In 1995, he was selected by Arianespace, Evry, France, to negotiate production contracts of Ariane launchers with the European industry and to monitor some payloads integration in Kourou, French Guyana.

In 1997, he was appointed Program Manager for all the follow-on developments financed by Arianespace such as the commercial adaptation of Ariane 5. To do so, he worked closely with American and European satellite manufacturers. He also launched the PERFO 2000 program which provided, through a competitive selection process with the industry at sub-system level and a lean system integration approach, an additional 500kg performance for GTO launches for 100 million dollars within three years. During that time, he coordinated as well the system activities of the Ariane Research and Technology Follow-on Program (ARTA) financed by the European Space Agency (ESA), which included the implementation of the "test as you fly" approach on the Ariane launchers.

Mr. Sabathier has written over 50 publications and reports, and has lectured at a wide variety of conferences and symposiums. During a 5-year period he also taught the introduction course "Space Transportation

Systems” at the Paul Sabatier University in Toulouse, France.

Mr. Sabathier graduated from Ecole Centrale de Nantes in France. Following his graduate studies in France, he obtained a grant from Martin Marietta Astronautics, Denver Division, to study at the Colorado School of Mines, in Golden CO, where he also worked as a teaching and research assistant on aerospace materials. He obtained a Master degree in Material engineering in 1990. He later specialized in space systems at the Ecole Nationale Supérieure de l’Aéronautique et de l’Espace, Toulouse, France. He holds an International Management degree from ESSEC, Paris, in operational management and participated in the Executive Education Program on “Strategic Issues in Mergers and Acquisitions” at INSEAD, Fontainebleau, France.

**Stefano SCARDA** works in the European Commission, dealing with international relations and cooperation aspects of the European satellite navigation programmes. In the past he has worked in the organisations that have managed European space programmes, such as the European Space Agency, the European GNSS Supervisory Authority, and the Galileo Joint Undertaking. His tasks have included the development of space applications and related business, interface with user communities, and management of research and development activities such as pilot projects and demonstrations. His background includes system engineering and project management activities in the space industry and he had an active role in the preliminary studies for the definition of the Galileo system and its services. He holds a Master Degree in Electronics engineering from the University of Rome Tor Vergata and a Master in Governance and Development Policy from the Centre Européen de Recherches Internationales et Stratégiques (CERIS) - Collège d’Etudes Interdisciplinaires de l’Université Paris-Sud 11.

**Maciej STANIAK** is Senior Expert at the Polish Ministry of Foreign Affairs. M. Staniak works for the Department of Foreign Policy Strategy of Polish MFA. Since 2010 he has been engaged in space policy activities with focuspoint on ESA. He was taking an active part in accession negotiations - financial and policy matters. His other activities include new technologies in foreign policy and Polish development challenges.

**Kazuto SUZUKI** is Professor of International Politics at Graduate School of Law of Hokkaido University, Japan. He graduated Department of International Relations, Ritsumeikan University, and received Ph.D. from Sussex European Institute, University of Sussex, England. As an expert of space policy, he has been working as an advisor for Space Development Committee of Liberal Democratic Party of Japan and Mitsubishi Electric Corporation. He also has been closely involved in the development of Japanese space decision-making process including the establishment of the Basic Law for Space Activities of 2008 and Mid-term Plan for Space Activities of 2009. He is a member of International Academy of Astronautics and the Chairman of the Space Security Committee of the International Astronautical Federation. He has worked in the University of Tsukuba from 2000 to 2008, and moved to Hokkaido University. He has conducted researches from International Political Economy perspective in Space Policy, together with nuclear energy policy (contributed to Independent Investigation Commission of Fukushima nuclear accident), export control policy, science and technology policy, counter-terrorism and policies on market regulation. A prolific author, his most recent publications includes, Regulatory Power of European Union (2012, Japanese) and Space and International Politics (2001, Japanese), Policy Logics and Institutions of European Space Collaboration (2003).

**Christophe VENET** is Research Associate to the Space Policy Program at Ifri. Christophe was Research Assistant and then Associate Fellow at the European Space Policy Institute (ESPI) from 2009 to 2010. Previously, he worked as a Research Assistant at the Institute of Political Science, Tübingen University (Germany). Christophe Venet graduated from the Institut d’Etudes Politiques de Strasbourg and holds a Masters degree in peace studies and international politics from Tübingen University. He also spent an academic exchange year at the Moscow State Institute of International Relations (MGIMO). He is a PhD candidate at the Institut d’Etudes Politiques de Paris and the Institute of Political Science, Tübingen University. His dissertation deals with EU policy in the field of space and security, focusing on the actorness of Europe and on interests and norms underlying the policy processes within the European Space Policy.