

SPECIALIZED PANEL OF SCIENTIFIC EXPERTS

ESTABLISHED PURSUANT TO THE OPTIONAL RULES FOR ARBITRATION
OF DISPUTES RELATING TO OUTER SPACE ACTIVITIES

COMMISSION SPÉCIALISÉE D'EXPERTS SCIENTIFIQUES

ETABLIE EN APPLICATION DU REGLEMENT FACULTATIF POUR L'ARBITRAGE
DES DIFFERENDS RELATIFS AUX ACTIVITES LIEES A L'ESPACE EXTRA-ATMOSPHERIQUE

Current List

Liste actuelle

**Date of
appointment** **Date of
latest renewal**

**Date de la
nomination** **Date du dernier
renouvellement**

Austria

Dr. ANDREAS GEISLER is Head of the Aeronautics and Space Agency at the Austrian Research Promotion Agency FFG. He is delegate to the ESA Council and Chair of the General Assembly of the European Space Policy Institute. Dr. Geisler has served in different positions in the FFG, comprising Teamleader Aeronautics, Teamleader Energy and Environment, Deputy Head of Department Thematic Programmes, and was appointed as expert to the Programme Committee "Aeronautics and Space" of the 5th and 6th EU Framework Programme for Research and Technical Development. Dr. Geisler is also delegate to the Airbus Intergovernmental Committee. He holds a PhD in Ecology. Austrian Research Promotion Agency (FFG), Sensengasse 1, A-1090 Vienna, Austria; Tel.: +43 5 7755 3001; E-mail: andreas.geisler@ffg.at.

Autriche

17 - 12 - 2015

Brazil

Mr. ANTONIO YUKIO UETA holds a Bachelor's Degree in Physics from the University of Sao Paulo (1978-1981), a Master's Degree in Plasma Physics from the University of Sao Paulo (1982-1985), a PhD in Semiconductor Physics from Johannes Kepler Universitaet, Austria (1993-1997). He is a Senior Technician at INPE (Brazilian National Institute for Space Research), where he has been working since 1985. He was responsible for the implementation of the Chemical Contamination Analysis Laboratory of LIT/INPE (1985-1991); technologist of the Associated Laboratory of Materials and Sensors - LAS/INPE (1991-2003); technical Assistant to the Director of INPE (2003-2006); and technical Advisor to the Director of INPE (2006-2016). Currently, he develops activities to support the Office of Management and collaborates with the coordination of the CBERS program (China-Brazil Earth-Resources Satellite). He attended the Summer Space Program-SSP of the International Space University-ISU, in Beijing, China (2007) and was approved in all three phases of the program. His work on space debris was referred by the ISU to the UN in 2007, as a subsidy. He was attended the MBA-FGV (Fundação Getúlio Vargas) in Strategic Management of Science and Technology in Public Research Institutions - IPP's (2008-2010). He was Academic Vice-Coordinator of the Space Studies Program-SSP of the International Space University-ISU, in Strasbourg, France (2010). In addition, he was Academic Coordinator of the Southern Hemisphere Space Studies Program - SHSSP/International Space University - ISU, in Adelaide, Australia, in 2011 and 2012.

Brésil

04 - 12 - 2017

Chile

Mr. KLAUS VON STORCH KRUGER, Aerospace Engineer from the University of Southern California (USC 2003-2007), candidate for astronaut, with over 6000 hours flight experience in the Chilean Air Force and commercial airlines; Vice President of Astro Chile Non Profit Corporation. He was aerospace Director at Angelicum and Team Leader in the Competition for Google Lunar X Prize 2010-2013. He has been engaged in scientific research projects in collaboration with the Russian Federal Space Agency, German Space Agency, NASA and the Chilean Space Agency, among other entities. In 2000 and 2008 he participated in several Zero Gravity Flights in the ESA and DLR programs. He has also represented Chile in space matters before COPUOS. He worked in the operational process

Chili

25 - 01 - 2016

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of Chilean satellite Fasat Bravo, and, since 2015, he holds the position of Expert Member of the Scientific and Technical Commission of the Council of Ministers for the Space Development of Chile. Tel.: +56 226559470; E-mail: kvstorch@gmail.com.

People's Republic of China

République populaire de Chine

Prof. YAO JIANTING is Deputy Director of Satellite Assembly Integration and Test (AIT) Center, China National Space Administration (CNSA), and Business Director-General of Beijing Institute of Spacecraft Environment Engineering (BISEE), China Academy of Space Technology (CAST). Yao graduated from Harbin Institute of Technology (HIT) with Bachelor degree and Master Degree in semiconductor physics & microelectronics in 1990. And then he started his career in China Space by serving as engineer, senior engineer and professor successively in BISEE, China Aerospace Science & Industry Corporation (CASIC) and CNSA. From 1996 to 1997, as the satellite product assurance engineer, Yao was engaged in the SINOSAT-1 program in France. From 2005 to 2008, as the executive deputy director of international cooperation division, CNSA, Yao was in charge of the international cooperation of China Space, and successfully facilitated the China-France and China-Russia joint satellite cooperation programs. From 2008 to 2018, as the deputy director-general of BISEE, Yao was mainly responsible for business planning, quality management, capacity building and international cooperation. Yao has been deposited as the executive chairman in 2014 of the 11th International Conference on Protection of Materials and Structures from the Space Environment. Almost 30 years working experience in China Space has helped Yao to accumulate rich knowledge and experience in management, technology and standards of satellite system integration and environment engineering. Yao has also been playing a leading role in international programs, technical training and seminars with other countries, and contributing to the successful cooperation with Russia, France, Italy, Egypt, Pakistan and so on. Tel.: +8613910772786; E-mail: yaojianting@yahoo.com.

10 - 09 - 2018

Prof. LIU JING serves as Deputy Director of Space Debris Observation and Data Application Center of China National Space Administration, Deputy Director of space debris research expert group of CNSA. Former Chair of the Modelling and Environment Database Working Group of the Inter-Agency Space Debris Coordination Committee. Expert of the United Nations Working Group on Long-Term Sustainability of Outer Space Activities. Main technical leader of China-US and China-Russia bilateral space debris cooperation. Tel.: +8613501090996; E-mail: liujing@bao.ac.cn.

10 - 09 - 2018

Israel

Israël

Mr. OFER LAPID has a BSc and MSc in Electronics Engineering. Mr. Lapid has over 25 years of experience in Aerospace program management and technology development. Performing senior roles in the Israeli National Space program, notably as Chief Technology Officer, Mr. Lapid has 16 years of experience in specific space missions systems and technologies. Since 2007, Mr. Lapid has been heading strategic bilateral space cooperation activities, covering policies and agreements. At the International Space University, Mr. Lapid is an alumnus, faculty member and trustee, representing the Israel Space Agency (retired June 2014). At the EU Research Executive Agency Horizon 2020 program, as well as at the Israel Space Agency and the Israel Office of Chief Scientist at the Ministry of Economy, Mr. Lapid serves as an expert evaluator. He also serves as a program manager of the ULTRASAT astrophysical space mission, a cooperation of the Weizmann Institute of Science, CalTech and JPL. Mr. Lapid is Co-founder and CTO of Space-Nest, a space focused startup incubator. He is also a volunteer mentor to SPACEIL, the Google Lunar XPrize Israeli team. Address: Barkan 19, Rosh Haayin 4863034; Tel.: +972-522-533-639.

05 - 01 - 2016

Netherlands

Pays-Bas

Prof. EBERHARD GILL, Chair of Space Systems Engineering (SSE), Head Department Space Engineering (SpE); born 1961 in Germany, received a diploma in physics and holds a PhD in theoretical astrophysics of the Eberhard-Karls-University Tuebingen, Germany. He holds a Master of Space Systems Engineering of the Delft University of Technology. He has been working as researcher at the German Aerospace Center (DLR) from 1989 to 2006 in the field of precise satellite orbit determination, autonomous navigation and spacecraft formation flying. He has developed a GPS-based onboard navigation system for the BIRD microsatellite. Dr. Gill has been Co-Investigator on several international missions,

13 - 02 - 2014

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including Mars94-96, Mars-Express, Rosetta, Equator-S and Champ and acted as Principal Investigator on the PRISMA formation flying satellite mission. Since 2007, he holds the Chair of Space Systems Engineering at the Faculty of Aerospace Engineering of the Delft University of Technology. The chair has developed the nano-satellites Delfi-C3 and Delfi-Next, successfully operating since their launches in 2008 and 2013. In 2013, he has been appointed also as department head Space Engineering at the faculty. The research interests of Dr. Gill are spacecraft autonomy, formation flying, GNSS technology, Systems Engineering, and combined communication and navigation applications. Dr. Gill has authored or co-authored more than 210 journal articles and conference papers and four text books: Relativity and the Earth's Rotation (Springer 1990), Satellite Orbits (Springer 2000), Applied Space Systems Engineering (McGraw-Hill 2009) and Distributed Space Missions for Earth System Monitoring (Springer 2013). He holds a patent on GNSS applications and on attitude control systems. He has been awarded Senior Scientist of DLR in 2006. Dr. Gill has been cluster lead of MISAT, a research program on Micro-Systems Technology. He is chairman to several conferences, editor of text books and Journals. Dr. Gill serves as research advisor for universities and research institutions. In 2008-2011, he has been program director of the SpaceTech post-graduate program. In 2009, he has been appointed corresponding member of the International Academy of Astronautics (IM). Faculty of Aerospace Engineering, Delft University of Technology, Kluyverweg 1, 2629 HS Delft, The Netherlands; tel.: +31 (0) 15 27 87458; e-mail: e.k.a.gill@tudelft.nl.

Paraguay

Dr. JORGE HIROSHI KURITA NAGASAWA graduated from Universidad Nacional de Asunción (UNA) in Paraguay, where he got his Bachelors in Electromechanical Engineering. After graduation, he spent some time in academia working as teaching faculty. During this tenure he taught courses on heat transfer, fluid mechanics and physics. In 2004, Dr. Kurita was granted the Fulbright scholarship to attend a graduate program on Mechanical Engineering at the Michigan Technological University. He finished his Masters and continued his PhD program. His doctorate research was funded by the National Aeronautics and Space Administration (NASA) and the National Science Foundation (NSF). His thesis: "Experimental results on gravity driven fully condensing flows in vertical tubes, their agreement with theory, and their differences with shear driven flows' boundary condition sensitivities" was part of other relevant research, all related to microgravity environment flow simulation validation. Dr. Kurita's contribution to this field was well-known through publications in several high impact journals. From 2011, Dr. Kurita worked as a development engineer in the competitive automotive industry, at Filtran LLC in Des Plaines Illinois. His experience as an experimental researcher helped Filtran to develop special testing techniques never implemented before on filtration systems. In addition, Dr. Kurita worked in the Computational Aided Engineering (CAE) group, contributing to improve simulation techniques to help develop state of the art filtration systems. One outstanding evidence from this successful work is the Global Special Award for "Contribution to Quality Enhancement by Development of the SmartMedia® Strainer" by Jatco Ltd., a Japanese company that supplies transmission systems to automakers. Another recognition Dr. Kurita received was his contribution to the development of the GM6T70, the transmission filter for the Chevrolet Traverse. This product gave Filtran LCC the 2015 GM Supplier Quality Excellence Award. Since 2016, Dr. Kurita is back to his alma mater as an adjunct professor at the Universidad Nacional de Asunción. Later in the same year, he was appointed to lead the research directorate of the School of Engineering. In 2017 he was appointed to be the head of the Mechanical Engineering Department at Universidad Nacional de Asunción. He is currently working as a consultant for Filtran LLC and as the director of the Planning and Management Directorate of the Paraguayan Space Agency (AEP). Also in 2017, Dr. Kurita was appointed to be AEP executive board member representation the Polytechnic Faculty of UNA. E-mail: gkurita@gmail.com; jkurita@aep.gov.py.

Paraguay

06 - 09 - 2018