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Organizers

International Astronautical Federation (IAF)

Connecting @ll Space People

Founded in 1951, the International Astronautical Federation is the world's leading space advocacy body with 397 members in 68 countries, including all leading space agencies, companies, research institutions, universities, societies, associations and institutes worldwide.

Following its theme *"A space-faring world cooperating for the benefit of humanity"*, the Federation advances knowledge about space, fostering the development and application of space assets by promoting global cooperation.

As organizer of the annual International Astronautical Congress (IAC) and other thematic meetings, the IAF actively encourages the development of astronautics for peaceful purposes and supports the dissemination of scientific and technical information related to space.

ROSCOSMOS

ROSCOSMOS, an IAF Member since 1993, is a State Corporation that was established to oversee and implement a comprehensive reform of the Russian space industry.

State Space Corporation ROSCOSMOS ensures the implementation of the Russian government's space programme and its legal regulation.

ROSCOSMOS is also placing orders for the development, manufacture and supply of space equipment and space infrastructure objects.

The state corporation is also responsible for international space cooperation and tasked with setting the stage for the future use of results of space activities in the social and economic development of of the Russian Federation.

IAF Alliance Partners:

Sponsorship Opportunities

GLEX 2020 offers a wide range of visibility and promotion opportunities for your organization.

For more information on sponsorship opportunities, please contact: **Isabella Marchisio,** Senior Projects Manager, International Astronautical Federation, isabella.marchisio@iafastro.org

For more information

Phone: +33 1 45 67 42 60 **Email:** glex2020@iafastro.org **Website:** www.glex2020.org

Be part of the conversation on #GLEX2020 and @iafastro

ROSCOSMOS

GLEX 2020
GLOBAL SPACE EXPLORATION CONFERENCE

9-11 JUNE 2020
St. Petersburg, Russian Federation

Call for Papers
Submit your Abstract by 3 January 2020!

www.glex2020.org

Welcome to GLEX 2020!

Pascale Ehrenfreund

President,
International Astronautical Federation (IAF),
Austria

It is with great pleasure that the International Astronautical Federation invites you to the third Global Space Exploration Conference 2020 – GLEX 2020. After Washington, D.C. in 2012 and Beijing in 2017, St. Petersburg will now host the Global Space Exploration stakeholder community for a unique and timely global conference. GLEX 2020 is dedicated to building and maintaining the international relationships that will support human exploration of outer space.

A Global Space Exploration Conference appears timely considering current discussions and efforts worldwide to define the next steps for international cooperation that seems to become increasingly relevant to the future of space exploration. This conference will cover a large spectrum of topics pertinent to space exploration. Where do we stand on robotic and human missions to the moon? Are there new business models for space exploration? What is the life support challenge for human space exploration? How can we improve international cooperation for Space Exploration?

The Global Space Exploration Conference will be an essential milestone in the world's leading and emerging Space nations' decision-making process. We welcome all members of the global space community to actively participate in this critical discussion on space exploration policy, science, and technology.

Dear Colleagues,

Sergey Saveliev

Deputy Director General, International Cooperation,
State Space Corporation ROSCOSMOS,
Russian Federation

On behalf of the State Space Corporation ROSCOSMOS I am delighted to invite you to the Global Space Exploration Conference 2020 - GLEX 2020 that will be held 9 - 11 June 2020 in Saint Petersburg, the Russian Federation, the city that is known to be one of the most attractive business and touristic destinations around the world. Moreover Saint Petersburg is the historical and cultural capital of the Russian Federation. Magnificent architecture takes you back in time the 18th and 19th centuries of Imperial Russia with its beautifully built palaces, mansions and bridges.

Humanity has always dreamed of conquering space. Practical space exploration began in the middle of the last century. We proudly recall the first artificial satellite of the Earth, Yuri Gagarin's space flight, the first space flight by a woman, the first spacewalk and human landing on the Moon.

Nowadays the international space community is concentrating on Moon exploration and going forward, we see manned flights to Mars. At the same time, unmanned spacecraft are already actively exploring the Moon, Mars and other objects of the Solar system.

The main goal of GLEX 2020 is to bring together scientists, engineers, lawyers and students from different countries who want to study and explore space, want to share their thoughts and plans, and are ready to discuss them with colleagues. Only in such close cooperation and mutual understanding, we will be able to implement ambitious projects on the Moon, Mars and beyond the Solar system.

In this regard, during our conference we plan to discuss the full range of issues related to space exploration. In particular, the conference will include plenary meetings, lectures, thematic sessions, discussions and exhibitions. A separate day will be allocated to young professionals, on whom the future exploration of space will depend.

We are confident that GLEX 2020 will be an outstanding scientific event that will contribute to strengthen the links between the Russian Federation and the rest of the world, among present and future generations of specialists in the field of space exploration activities.

We look forward to meeting you all in Saint Petersburg at a memorable conference GLEX 2020!

Welcome from IPC Co-Chairs

Dear fellow members of the global space exploration community,

We look forward to welcoming you to the Global Space Exploration Conference 2020 in St. Petersburg! GLEX 2020 is jointly organized by the International Astronautical Federation and ROSCOSMOS and follows the successful GLEX 2012 in Washington, D.C. and GLEX 2017 in Beijing.

Space Exploration has been a dream of many for a long time. Beginning in the middle of the last century humanity has started to turn this dream into reality. We remember with pride the first artificial satellite, Gagarin's spaceflight, the first woman in space, the first spacewalk, and the first steps by man on the Moon. International partnerships have become ever more important, and today the International Space Station, the biggest and largest human-made space object, serves as a unique science laboratory in Earth orbit.

We stand today at a truly transformational time in space exploration. Humanity's gaze is now often focused ever further out – to the Moon, and Mars, and beyond. Robotic and human lunar missions are being planned and implemented by both governments and private industry around the world. Others are planning lunar bases and villages. Others are developing missions to explore Mars, or to mine asteroids. One of the remarkable aspects of the global space world today is how commercially funded space exploration activities are becoming an ever more common compliment to government-led space programmes.

Against this exciting backdrop, GLEX 2020 will bring together all the key space exploration players for a week in wonderful St. Petersburg this coming summer. Space agency leaders, captains of industry, academic researchers, policy experts, entrepreneurs, and other enthusiasts are invited to exchange ideas, report on results, share visions, and together make space exploration plans. Delegates will be able to inform themselves about programmes around the world and establish and advance international partnerships to turn exploration dreams into reality.

We encourage all who are active and interested in moving humanity beyond the boundaries of the known world to join us for GLEX 2020 on 9 - 11 June 2020 in St. Petersburg!

Sergey Krikalev

VP for International Relations and Outreach,
International Astronautical Federation (IAF),
Executive Director for Piloted Spaceflights,
State Space Corporation ROSCOSMOS,
Russian Federation

Christian Sallaberger

Chair,
IAF Space Exploration Committee,
International Astronautical Federation (IAF),
President,
Canadensys,
Canada

Conference Objectives

Following its mission to encourage cooperation, promote international development and share knowledge, the IAF as well as ROSCOSMOS are committed to supporting the international relationships that enable exploration of outer space. GLEX 2020 is designed to encouraging the sharing of programmatic, technical and policy information, as well as collaborative solutions, challenges, lessons learnt, and paths forward among all nations with the desire to explore space. During the 3 years since GLEX 2017 the international space exploration community has significantly moved forward with their respective exploration planning and programmes and it is therefore timely to take stock of the developments and undertake an outlook to the future of space exploration on a global scale.

The GLEX 2020 programme is designed to bring together leaders and decision-makers within the science and human exploration community – engineers, scientists, entrepreneurs, educators, agency representatives and policy makers. It will provide a forum to discuss recent results, current challenges and innovative solutions and it will contain several opportunities to learn about how space exploration investments provide benefits as well as discuss how those benefits can be increased through thoughtful planning and cooperation.

Call For Papers

Abstracts should be written in English and submitted on the IAF restricted area at **www.iafastro.net** to one of the following tracks:

1. **International Cooperation for Space Exploration**
2. **Lunar Exploration**
3. **Mars Exploration**
4. **Exploration of Near-Earth Asteroids**
5. **Exploration of Other Destinations**
6. **Space Transportation**
7. **Key Technologies**
8. **Challenges of Life Support/Medical Support for Human Missions**
9. **Space Stations**
10. **Space Resources**
11. **Ground-Based Preparatory Activities**
12. **Transcending Societal Issues for Space Exploration**

Submitted abstracts will be evaluated by the session chairs on the basis of technical quality and relevance to the session topics.
Note: An abstract can be submitted to only one technical track.

Important dates and deadlines

10 October 2019	➤	**Call for Papers opens**
3 January 2020	➤	**Call for Papers closes**
8 June 2020	➤	**Next Generation Seminar**
9 – 11 June 2020	➤	**Conference**
12 June 2020	➤	**Cultural Visits**

TAVRICHESKY PALACE
Shpalernaya Ulitsa, 47, St Petersburg, Russia, 191015

GLEX 2020 at a Glance