

# 74<sup>th</sup> INTERNATIONAL ASTRONAUTICAL CONGRESS

# 2-6 OCTOBER 2023 BAKU, AZERBAIJAN

A TRACE PROVIDE

Global Challenges and Opportunities: Give Space a Chance GENERAL INFO & CONGRESS OVERVIEW

# FINAL PROGRAMME

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47

47 committees

2 joint offices with international organization

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ALC: PIL



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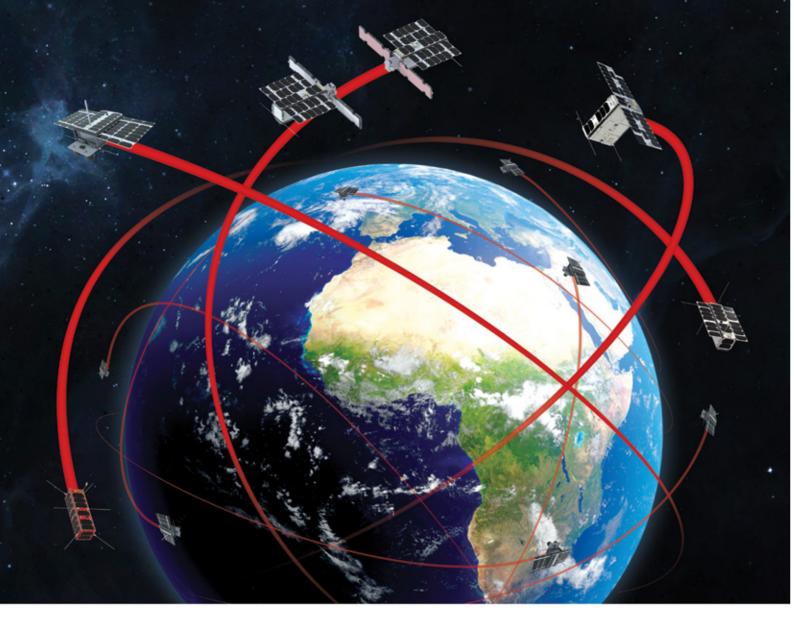


中国宇航学会 CHINESE SOCIETY OF ASTRONAUTICS



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ORBITING AROUND IT, COMMUNICATING WITH IT, AND OBSERVING IT.

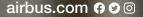


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SOLVING PROBLEMS IS A MATTER OF PERSPECTIVE

To ensure the world remains a beautiful place, we're helping place space at the heart of the global infrastructure that will help define the future. With space technologies that provide seamless connectivity, precision navigation, Earth observation and the utmost security, together we push the bounds of human knowledge. Follow our journey as we take the next great leaps forward to unite and protect our ever-evolving planet.







# **HAVEN-1**

Scheduled to be the world's first private space station

**LAUNCHING AUGUST 2025** 

#### FIRST CREWED EXPEDITION

# VAST-1

- Launching in a SpaceX Dragon
- 4 crew members will visit Haven-1 for up to 30 days
- Designed for space agencies and private individuals alike
- Available per seat or as a full, four-person crew mission
- Includes spaceflight training by SpaceX and Vast

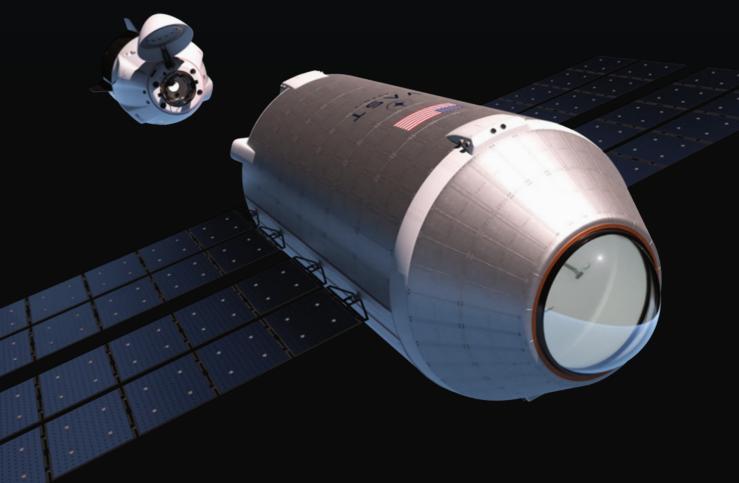


### LAUNCH PARTNERSHIP

SpaceX's Falcon 9 will launch both the Haven-1 and Vast-1 missions

#### NASA'S COLLABORATIONS FOR COMMERCIAL SPACE CAPABILITIES

Under NASA's recently awarded CCSC-2 initiative, Vast is collaborating with NASA on technologies and operations required for its microgravity and artificial gravity stations, including Haven-1 and larger space stations.



# VISIT BOOTH #312

to learn more and speak with our team

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Falcon 9

Dragon Spacecraft

SpaceX Suit

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- > 300 kg total payload mass capacity



Turkish Space Agency is candidate to host IAC 2026 in Antalya

Explore the details of Turkish National Space Program and

Discover our leading partners in the Türkiye Space Sector

Stop by our booth **#202** and **#106** to meet the team and learn more

# **CSA LOOKS FORWARD TO MEET** YOU AND COOPERATE WITH YOU THROUGH OUR BRAND ACTIVITIES

# ACADEMIC EVENTS



GLEX2017 co-organized by CSA and IAF





Space Universities CubeSat Challenge co-organized by CSA and IAF each year

#### PUBLICATION



Advances in Astronautics Science and Technology co-published by CSA and IAF

# ACADEMIC RESEARCH 1022

Annual Launch of Ten Scientific Problems and Technical Difficulties in Space Field



**TURKISH** AEROSPACE





http://www.csaspace.org.cn/



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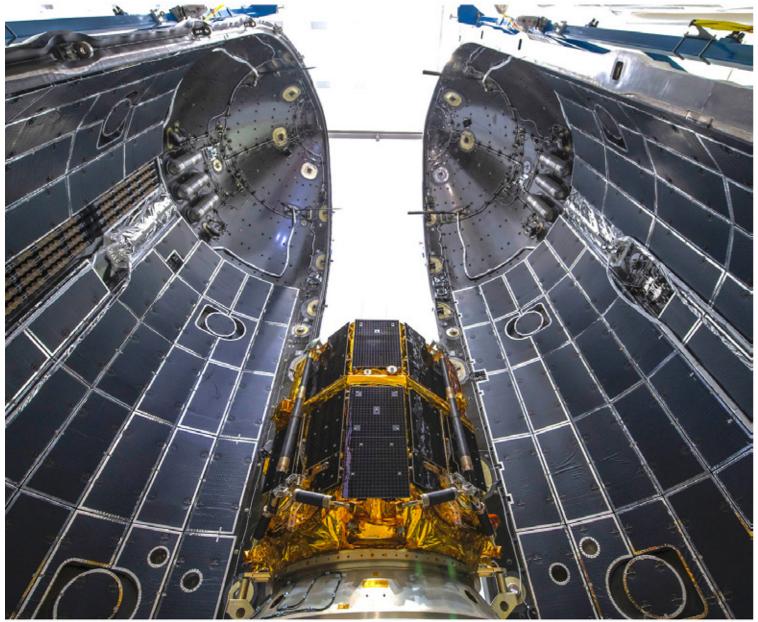




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# space



Series 1 Lander inside of launch vehicle fairing for Mission 1, late 2022

ispace is preparing its next missions. With Mission 2 scheduled for next year and preparations for Mission 3 in full swing, we will demonstrate our ability to carry out multiple lunar missions in short succession and with a variety of customer payloads.

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	Satu	rday 30 September
	Sund	ay 1 October
	Mon	day 2 October
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	Frida	y 6 October









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ion (IAF)
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jan

# Alliance Programme











# **Welcome Messages**

#### 1.1 Message from the International Astronautical Federation (IAF)

#### Dear Colleagues,

It is my great pleasure to invite you to the 74th International Astronautical Congress (IAC) here in Baku, Azerbaijan. There is a rich history behind hosting the IAC in Baku, the 24<sup>th</sup> International Astronautical Congress was held here in 1973. It is an honour to return the IAC to this beautiful region 50 years later. This year's IAC is hosted by the Space Agency of the Republic of Azerbaijan, Azercosmos. An IAF member since 2018, Azercosmos has worked tirelessly with the IAF to ensure the success of this event and delivering an outstanding experience for the participants.

The International Astronautical Congress provides the main platform for global space actors to meet, share, and connect. Under the theme "Global Challenges and Opportunities: Give Space a Chance," an inspiring and robust IAC programme has been prepared for this year's edition featuring high-level panels, scientific sessions, a large space exhibition and much more. The Congress offers the perfect platform to network and forge new collaborations and partnerships. Connecting emerging and experienced space nations and fostering a dialogue between the next generation with the current space leaders.

Enjoy the 74<sup>th</sup> edition of the IAC organized in these incredible venues, the futuristic Baku Convention Centre and the magnificent Heydar Aliyev Centre designed by prominent architect Zaha Hadid. For some of you this might be the first time visiting the Caucasus region, I hope you dedicate some valuable time to explore the diverse charms of this beautiful country, with its authentic culture and unmatched hospitality.

Finally, I wish you all a wonderful congress and a successful week ahead here in Baku!



Clay MOWRY President. International Astronautical Federation (IAF)

The space provides us with opportunities to take risks, be creative, be innovative, and collaborate in order to pave the way for a prosperous human future.

As Azerbaijan Space Agency, we are a proud host of world's premier global space event - the International Astronautical Congress (IAC). IAC powered by International Astronautical Federation is an event where nation states sign international and bilateral agreements and where a lot of business happens in side meetings, many supported by national space agencies.

The 74<sup>th</sup> International Astronautical Congress is a great manifesto for assembling the international space family in Baku for creating, innovating, and contributing in the space sector for the benefit of the world in Azerbaijan.

Held in Baku in 1973 for the first time, the IAC will return to Azerbaijan in 2023, after a half-century. With utmost confidence and strong determination, Azerbaijan welcomes the global space community to Baku in 2023 and offer an exceptional congress experience, immersing participants into the elegant fusion of the past and the future.

IAC Baku will provide a unique platform for developed space nations to access new developing markets such as Caucasus, Central Asia and Middle East. At the same time, it will be a rare chance for developing space nations to demonstrate potential of their countries by interacting with those who have gone much further in space affairs.

The government of Azerbaijan pays great attention to the development of space industry in Azerbaijan. Azerbaijani society highly appreciates the value and benefits that space and technologies bring to their lives.

There is a common issue that we, both developing and developed space entities struggle to achieve and that is to attract new generation as workforce. This is one of the reasons why IAC 2023 will have special focus on youth and Baku is providing all the attractive environment for smooth participation of students and young professionals.

We - Azercosmos - as the host organization of the Congress, want to assure that you will enjoy the Baku Congress and remember it as an exceptional event.

We look forward to welcoming the international space community to Baku Congress, and wish a successful event to the organizers and all participants!



Samaddin ASADOV Chair. IAC 2023 Local Organizing Committee, Chairman of the Board. Azebaijan Space Agency (Azercosmos)





**WELCOMI MESSAGE** 





# **1.3** Message from the International Programme Committee (IPC) Co-Chairs

Esteemed Colleagues and Friends,

As Space Agency of the Republic of Azerbaijan, we are a proud host of world's global space milestone – the 74<sup>th</sup> International Astronautical Congress (IAC) in Baku.

IAC – Baku chapter empowered by the International Astronautical Federation is a meeting ground for the global community that embraces collaboration across borders, sectors, and cultures for discussing challenges and opportunities.

Our country is set ready for the Congress with its hospitality and awaits a large number of delegates during 5-day space adventure of the year.

It is historically symbolic moment for all of us since this Congress returns to Baku after exactly 50 years since it was first staged in 1973 and assembled more than 1500 delegates from all over the World despite the cold war of the time.

Following its theme – Global Challenges and Opportunities: Give Space a Chance, we've established networking center with the global space sector's figures across government, industry and academia, and to make critical business connections. It will allow for collaboration and cooperation on a domestic as well as an international level and to provide new ways of cooperation.

Baku Congress is a platform that has encouraged engineers, scientists, space enthusiasts and visionaries to push boundaries and explore the limitless possibilities of space technology by submitting their scientific papers.

The International Programme Committee has meticulously curated a program that spans the Technical Sessions, Plenary Events, Highlight Lectures, Late-Breaking News, Special Sessions, and Interactive Presentations. A great success is an impressive number of abstracts submitted for the IAC 2023 – more than 3,600 abstracts from 95 countries. This number is marking a record for the highest number of countries, clearly setting the basis for the IAC 2023 to become one of the most diverse IAC ever.

Looking ahead, the focus will shift to Milan, Italy, for IAC 2024. Italy, the second-largest contributor of abstract submissions to Baku, will continue the momentum set by this congress. Under the theme "Responsible Space for Sustainability," IAC 2024 will ride the same wave that began here in Baku, exemplifying our shared commitment to the careful and sustainable exploration and utilization of space, ensuring the well-being of our planet and the vast cosmos beyond.

We look forward to welcoming the international space community to Baku Congress, and wish a successful event to the organizers and all participants!



Dunay BADIRKHANOV IPC Co-Chair, Vice-chairman/CTO, Azercosmos, Azerbaijan



Alfonso PAGANI IPC Co-Chair, Italian Association of Aeronautics and Astronautics (AIDAA), Italy

# 2 Organizer

# 2.1 The International Astronautical Federation (IAF)

Founded in 1951, the International Astronautical Federation is the world's leading space advocacy body. The IAF has 469 members from 75 countries, including all leading space agencies, companies, societies, associations and institutes worldwide.

Following its theme - "A space-faring world cooperating for the benefit of humanity" and its motto "Connecting @II Space People" - the Federation advances knowledge about space and fosters the development and application of space assets by advancing global cooperation.

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

International Astronautical Federation 100 Avenue de Suffren 75015 Paris, France

T: +33 1 45 67 42 60 W: <u>www.iafastro.org</u> E: <u>info@iafastro.org</u>

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#### IAF Bureau Members 2022 – 2023



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Saudi Space Commission (SSC),

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IAF PAST PRESIDENT Pascale EHRENFREUND President. International Space University (ISU), Austria



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**VP: IAF GLOBAL NETWORKING** FORUM Steve EISENHART Senior Vice President, Snace Foundation. United States





**GENERAL COUNSEL** Sergio MARCHISIO Full Professor of International Law, Sapienza University of Rome, Italy



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Isabella MARCHISIO Senior Projects Manager



Emma BOISDUR Projects Manager



**Evelina HEDMAN** Creative Services & Projects



**Constance DELAUNE** Projects Assistant



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SPECIAL ADVISOR TO PRESIDENT ON SPACE AGENCIES RELATIONS S. SOMANATH Chairman Indian Space Research Organization (ISRO),



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Italian Space Agency (ASI).

SPECIAL ADVISOR TO THE IAF PRESIDENT INTERNATIONAL SPACE



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VP: DEVELOPING

COMMUNITIES

Executive Director,

Colombia

120-15

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**VP: FINANCIAL MATTERS AND** 

Space Systems, Head of Spacecraft

Airbus Defence and Space GmbH,

Equipment, Head of Space Systems

INDUSTRY RELATIONS

Andreas LINDENTHAL

**VP: RELATIONS WITH** 

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Sustainable Space Operations Management,

Indian Space Research Organisation

INTERNATIONAL

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many,

Germany

(ISRO),

apan

Head of Business Operations



# VP: SCIENCE AND ACADEMIC RELATIONS

Tanja MASSON-ZWAAN Assistant Professor and Deputy Director of the International Institute of Air and Space Law (IIASL). Leiden University The Netherlands

**VP: TECHNICAL ACTIVITIES** 

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Elena FEICHTINGER Projects Manager and Special Advisor (Volunteer)



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th **1** INTERNATIONAL ASTRONAUTICAL CONGRESS 2 - 6 OCTOBER 2023, Baku, Azerbaijan

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(10/12)
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Institute of Space Systems, University of Stuttgart	Germany
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Instituto Tecnológico de Costa Rica (TEC)	Costa Rica
International Association for the Advancement of Space Safety	The Netherlands
International Lunar Observatory Association	United States
International Peace Alliance	China
International Space Center - Space Park Israel Ashkelon	Israel
International Space University (ISU)	France
Internationaler Förderkreis für Raumfahrt – Hermann	Germany
Oberth – Wernher von Braun e.V.	
Intersputnik International Organization of Space Communications	Russian Federation
Invap S.E.	Argentina
Iranian Space Agency	Iran
Isar Aerospace Technologies GmbH	Germany
ispace, inc	Japan
Israel Aerospace Industries. Ltd.	Israel
Israel Space Agency	Israel
Italian Space Agency (ASI)	Italy
Japan Aerospace Exploration Agency (JAXA)	Japan
Japan Manned Space Systems Corporation (JAMSS)	Japan
Japan Society for Aeronautics and Space Sciences (JSASS)	Japan
Japanese Rocket Society	Japan
Joanneum Research	Austria
JSC Glavkosmos	Russian Federation
JSC NPO Energomash	Russian Federation
JSC SRC Progress	Russian Federation
Karman Project	Germany
KBR	United States
Keldysh Research Center	Russian Federation
Kenya Space Agency	Kenya
Khalifa University of Science and Technology	United Arab Emirates
Khrunichev State Research & Production Space Center	Russian Federation
King Abdulaziz City for Science & Technology (KACST)	Saudi Arabia
Kongsberg Satellite Services AS	Norway
Korea Aerospace Industries, Ltd	Korea, Republic of
Korea Aerospace Research Institute (KARI)	Korea, Republic of
Korea Association for Space Technology Promotion (KASP)	Korea, Republic of
Korea Astronomy and Space Science Institute	Korea, Republic of
Kyushu Institute of Technology	Japan
LandSpace Technology Corporation Ltd.	China
Lavochkin Science and Production Association	Russian Federation

Law Offices of Sterns and Tennen	United States
Leviathan Space Industry LLC	United States
Libre Space Foundation	Greece
LIQUIFER Systems Group	Austria
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Lithuanian Space Association (LSA)	Lithuania
Lockheed Martin Corporation	United States
Loft Orbital Solutions Inc	United States
Łukasiewicz Research Network – Institute of Aviation (ILOT)	Poland
Luxembourg Space Agency	Luxembourg
Malaysian Space Agency (MYSA)	Malaysia
Mars Planet	Italy
Massachusetts Institute of Technology	United States
Maxar	United States
McGill Institute for Aerospace Engineering (MIAE)	Canada
MDA Corporation	Canada
MEDES - IMPS	France
Microcosm, Inc.	United States
MicroDrive Space Ltd.	China
Mitsubishi Electric Corporation	Japan
Mitsubishi Heavy Industries, Ltd.	Japan
Mohammed Bin Rashid Space Centre (MBRSC)	United Arab Emirates
Monaco Office of Space Affairs	Monaco
Moon Village Association (MVA)	Austria
Moscow Aviation Institute (MAI)	Russian Feder
MT Aerospace AG	Germany
Mudd Law	United States
Nanjing University of Aeronautics and Astronautics	China
NanoAvionika UAB (NanoAvionics LLC)	Lithuania
Nanoracks	United States
National Aeronautics and Space Administration (NASA)	United States
National Aerospace Agency (NASA) of Azerbaijan Republic	Azerbaijan
National Astronomical Research Institute of Thailand	Thailand
National Autonomous University of Honduras	Honduras
National Institute of Information and Communications Technology (NICT)	Japan
National Oceanic and Atmospheric Administration (NOAA)	United States
National Space Centre	Ireland
National Space Research and Development Agency (NASRDA)	Nigeria
National Space Science Agency (NSSA)	Bahrain
National Space Society	United States
National Space Society Colombia	Colombia
NEC Corporation	Japan
Netherlands Aerospace Centre (NLR)	The Netherlar
Netherlands Space Office (NSO)	The Netherlar
Netherlands Space Society (NVR)	The Netherlar
NeutronStar Systems UG (hb)	Germany
New Zealand Space Agency	New Zealand
NGC Aerospace Ltd.	Canada
Nigerian Meteorological Agency	Nigeria

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Northrop Grumman Corporation	United States
Northwestern Polytechnical University	China
Norwegian Space Agency	Norway
Novespace	France
Office for Space Technology & Industry, Singapore	Singapore
Office National d'Etudes et de Recherches Aérospatiales (ONERA)	France
OHB Italia SpA	Italy
OHB System AG - Munich	Germany
OHB System AG-Bremen	Germany
Open Cosmos	United Kingdom
Orbital Express Launch Limited (Orbex)	United Kingdom
Orion Applied Science & Technology, LLC	United States
Pacific West Data Pty Ltd - Trading as ACME SpaceTek	Australia
Pakistan Space and Upper Atmosphere Research Commission (SUPARCO)	Pakistan
Paraguayan Space Agency	Paraguay
PJSC "Elmiz"	Ukraine
Planet Labs Germany GmbH	Germany
Plan-S Satellite and Space Technologies	Turkey
Polish Academy of Sciences	Poland
Polish Astronautical Society	Poland
Polish Space Agency (POLSA)	Poland
Politecnico di Milano	Italy
Politecnico di Torino	Italy
Portugal Space Agency	Portugal
PRATIAN LLC	Puerto Rico
PricewaterhouseCoopers Advisory (PwC)	France
Privateer Space, Inc.	United States
Proximai	United States
PTS Planetary Transportation Systems GmbH	Germany
Purple Mountain Observatory (PMO)	China
QinetiQ Space nv	Belgium
QSTC Inc.	Canada
Qwaltec Inc.	United States
Rafael Advanced Defense Systems Ltd.	Israel
Ramirez de Arellano y Abogados, S.C. Law Firm	Mexico
Reaction Engines	United Kingdom
Redwire Space	United States
RFA - Rocket Factory Augsburg	Germany
Rocket Research Institute, Inc.	United States
Romanian Space Agency (ROSA)	Romania
ROSCOSMOS	Russian Federation
Rovsing A/S	Denmark
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(ISAE)





Satellogic Spain Satrec Initiative Korea, Republic of Saudi Space Commission (SSC) Saudi Arabia SDA Bocconi School of Management, Bocconi University Italy Secure World Foundation SEMECCEL Cité de l'Espace Serbian Office for Space Sciences, Research and Development (SERBSPACE) SES Shaanxi Engineering Laboratory for Microsatellites Shaanxi XingYi Space technologies Co. Ltd. Shamakhy Astrophysical Observatory Shanghai Azimuth Data Technology Sharjah Academy for Astronomy, Space Sciences, and Technology (SAASST) Shoal Group SIDERALIS Foundation Sierra Space Simera Sense Singapore Space and Technology LTd (SSTL) Singapore Technologies Engineering Limited Sirius XM Radio Sitael Spa Slovak Investment and Trade Development Agency (SARIO) - Slovak Space Office SODERN Soletop Co., Ltd South African National Space Agency (SANSA) South African Space Association (SASA) Space Applications Services NV/SA Space Arbitration Association Space Canada Corporation Space Center Houston Space Commercial Services Holdings (Pty) Ltd Space Flight Laboratory (SFL) Space Foundation Space Generation Advisory Council (SGAC) Space Industry Association of Australia Space Policy Institute, George Washington University Space Renaissance International (SRI) Space Research Institute (IKI), Russian Academy of Sciences (RAS) Space Tech Expo - Smarter Shows Ltd Space Trust SpaceBuzz SpaceChain Foundation Ltd. SpaceForest SpaceLand Africa SpaceNed Spacety SpaceX Spade Spartan Space STAR.VISION Aerospace Group Limited Starburst Aerospace Ltd

United States France Serbia Luxemburg China China Azerbaijan China United Arab Emirates Australia Ecuador United States Belgium Singapore Singapore United States Italy Slovakia France

Korea, Republic of South Africa South Africa Belgium France Canada United States South Africa Canada United States Austria Australia United States Italy **Russian Federation** 

United Kingdom United Kingdom The Netherlands Singapore Poland Mauritius The Netherlands China United States France France China Israel





# MESSAGE

Starduct Tachnologias Inc	Canada
Stardust Technologies Inc. State Space Agency of Ukraine (SSAU)	Ukraine
Stellenbosch University	South Africa
Stichting Space Professionals Foundation (SSPF)	The Netherlands
STM (Savunma Teknolojileri Muhenislik ve Ticaret A.S.)	Turkey
Surrey Satellite Technology Ltd (SSTL)	United Kingdom
Swedish Society for Aeronautics and Astronautics	Sweden
Swedish Space Coorporation (SSC)	Sweden
Swedish space Coorporation (SSC) Swiss Space Office (SSO)	Sweden
	Switzerland
SwissSpace Association Teaching Science and Technology, Inc (TSTI)	United States
Technical University of Košice	Slovak Republic
Techno System Developments S.R.L.	Italy
Technology and Engineering Center for Space	
Utilization, Chinese Academy of Sciences	China
Teledyne Brown Engineering	United States
Telespazio S.p.A.	Italy
Telespazio VEGA UK LTD	United Kingdom
Tensor Tech CO., LTD.	Taiwan, China
Tesat-Spacecom GmbH & Co. KG	Germany
Thales Alenia Space France	France
Thales Alenia Space Italia	Italy
The Aerospace Corporation	United States
The Andy Thomas Space Foundation	Australia
The Boeing Company	United States
The British Interplanetary Society	United Kingdom
The Chinese Aeronautical and Astronautical Society located in Taipei	Taiwan, China
The Exploration Company GmbH	Germany
The Federal University of Technology, Akure (FUTA)	Nigeria
The Institute for Earth and Space Exploration	Canada
The Johns Hopkins University Applied Physics Laboratory	United States
The Korean Society for Aeronautical and Space Sciences	Korea, Republic of
The National Space Science and Technology Center (NSSTC)	United Arab Emirates
The Ohio State University College of Engineering	United States
The Planetary Society	United States
The Sergei Korolev Space Museum	Ukraine
The University of Sydney	Australia
The University of Winnipeg	Canada
ThrustMe	France
TNO	The Netherlands
Tsinghua University	China

Turkish Space Agency (TUA)	Turkey
U.S. Geological Survey	United States
UAE Space Agency	United Arab Emirates
UK Space Agency	United Kingdom
United Launch Alliance LLC	United States
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University of Adelaide	Australia
University of Alabama in Huntsville	United States
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University of New South Wales	Australia
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University of Strathclyde	United Kingdom
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University of Vigo	Spain
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University Space Program, Universidad Nacional Autonoma de Mexico	Mexico
University Wuerzburg	Germany
UzayA Law and Science Association	Turkey
Valispace	Germany
Viasat, Inc.	United States
Victorian Space Science Education Centre	Australia
Vieira de Almeida & Associados	Portugal
Vietnam National Space Center (VNSC)	Vietnam
Virgin Galactic L.L.C	United States
Viterbi School of Engineering, USC	United States
VITO nv	Belgium
Von Karman Institute for Fluid Dynamics	Belgium
Voyager Space Holdings	United States
WeMe Global	Austria
WFB - Wirtschaftsförderung Bremen	Germany
Women in Aerospace Europe (WIA-E)	The Netherlands
World Space Week Association	United States
Yinhe Hangtian (Beijing) Internet Technology Company Limited (GalaxySpace)	China
Yuzhnoye State Design Office	Ukraine
ZARM Fab GmbH	Germany
Zero2infinity	Spain
Zhuhai Orbita Aerospace Science & Technology Co. Ltd	China

# 3 Host

# 3.1 Azercosmos, Space Agency of the Republic of Azerbaijan

Azercosmos, Space Agency of the Republic of Azerbaijan, is the leading force behind the development of innovative space ecosystem in Azerbaijan. Founded in 2010 as the first and only satellite operator in the region, Azercosmos successfully provides high quality and reliable services to partners across the globe.

Apart from delivering a broad spectrum of services and solutions via its satellite fleet, Azercosmos also engages in a wide range of R&D activities that aim to foster the technological advancement, cooperates with international stakeholders and partners to ensure the establishment and strengthening of collaborative ties in the space industry, participates in major global projects, and builds the local know-how. Being committed to creating a better connected, developed and secure world for future generations, Azercosmos aims to emerge as one of the driving forces in the global space industry.

#### Azercosmos, Space Agency of the Republic of Azerbaijan Centre

72 Uzeyir Hajibayli str. Baku, Azerbaijan, AZ1000

T: +99412 310 0055 E: info@azercosmos.az W: www.azercosmos.az









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#### **Partner Organizations** 4

## 4.1 The International Academy of Astronautics (IAA)

The International Academy of Astronautics is an international community of leading experts committed to expanding the frontiers of space. The IAA is distinguished as the only international Academy of elected members in the areas of Astronautics and Space. The IAA is an independent non-governmental organization established in 1960 and recognized by the United Nations in 1996. With about 1200 elected members and corresponding members from 90 nations, the International Academy of Astronautics works closely with space agencies, industry, the academic community and the national science and engineering academies to determine needs and objectives and to help shape policy and forge cooperation by means of studies, position papers, conferences, summits and publications. To foster the development of astronautics, the Academy undertakes a number of activities, including the recognition of outstanding contributors through elections and awards. The IAA has published more than 75 studies to date and is engaged in the preparation of about 40 others. The Academy also publishes a four book series and the journal Acta Astronautica, which is ranked first in the world regarding the research related to Space. The Academy organizes over 25 conferences and regional meetings per year. In addition, the Academy in cooperation with the IAF and the IISL, provides an important contribution to the IAC, where the Academy organizes 13 symposia.

#### International Academy of Astronautics (IAA)

Aeroclub de France building 6. rue Galilee 75116 Paris FRANCE - Metro Boissieres

Mailing address: P.O. Box 1268-16 75766 Paris Cedex 16, France

T: +33 1 47 23 82 15 E: sgeneral@iaamail.org W: https://iaaspace.org/



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### 4.2 The International Institute of Space Law (IISL)

Founded in 1960, the International Institute of Space Law (IISL) is an independent non-governmental organization dedicated to fostering the development of space law. The membership of the Institute is composed of individuals and institutions from more than fourty countries, elected on the basis of their contributions to the field of space law or other social sciences related to space activities. Additionally, prospective membership is open to students and young professionals with a demonstrated interest in space law.

Since 1992, the IISL has organized the annual Manfred Lachs Space Law Moot Court Competition. The competition is based on a hypothetical space law case, and is written by IISL members. Approximately sixty student teams from universities in Africa, the Asia Pacific, Europe, and North America participate. The competition is an important part of the organization 's outreach programme, and is its principal mechanism for engaging future generations of space law experts. The regional champions compete in the World Finals, which take place at the IAC and are judged each year by judges of the International Court of Justice. This unique feature makes the Manfred Lachs Moot Court one of the most prestigious moot court competitions in the world.

The IISL is an officially recognized observer at sessions of the United Nations Committee on the Peaceful Uses of Outer Space, and its Scientific & Technical and Legal Subcommittees. In cooperation with the European Centre for Space Law (ECSL), the IISL organizes an annual space law symposium for the delegates and staff attending the sessions of the UNCOPUOS Legal Subcommittee. In addition the Institute organizes a variety of conferences on space law throughout the year in locations all over the world. It publishes an annual volume of IISL Proceedings with papers and reports of all these activities during the year.

#### International Institute of Space Law (IISL)

E: info@iislweb.org W: http://iislweb.space Facebook: https://www.facebook.com/spacelaw Twitter: https://twitter.com/iisl\_space



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### 4.3 The Space Generation Advisory Council (SGAC)

The Space Generation Advisory Council in Support of the United Nations Programme on Space Applications was conceived at UNISPACE III in 1999, where as part of the Vienna Declaration it was recommended "To create a council to support the United Nations Committee on the Peaceful Uses of Outer Space, through raising awareness and exchange of fresh ideas by youth. The vision is to employ the creativity and vigour of youth in advancing humanity through the peaceful uses of space".

In 2023, SGAC continued to prove to be an invaluable platform for students and young professionals in the space sector to funnel their passion and talent. As an inherently global organisation with volunteers working online together across the world, SGAC has continued growing, now representing more than 27,000 students and young space professionals between the ages of 18 to 35, from more than 165 countries to the United Nations, space agencies, industry, and academia.

In 2023, SGAC has hosted 3 Global events, 11 Regional and Local events, as well as many online activities, including webinars, workshops, and research projects through which we kept our community connected. In addition, SGAC is also proud to report that more than 150 scholarships were awarded to our members for key space events that happened around the world. In 2024, we intend to do even better.

In terms of coordination with IAF activities, amongst the events hosted in 2023, SGAC organised the Space Generation Congress alongside the International Astronautical Congress in Baku, and hosted a plenary session for a Generational Exchange on the Role of space in the Fight Against Climate change during the IAF's Global Space Conference on Climate Change (GLOC).

With the experience acquired from the past year and a bigger team, SGAC is gearing up with optimism and encouragement towards a better 2024 with even stronger engagement and connection with our members and partners. As we plan our activities for 2024, we want to acknowledge the hard work and outstanding efforts of SGAC members, as well as our mission as the leading international space youth organisation.

Further information regarding SGAC can be found at www.spacegeneration.org

#### **Space Generation Advisory Council**

SGAC % European Space Policy Institute Schwarzenbergplatz 6 A-1030 Vienna, Austria

#### E: info@spacegeneration.org

W: www.spacegeneration.org Facebook: @spacegeneration Twitter: @SGAC



#### **SGAC Board of Directors:**

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SGAC CO-CHAIR Hamza HAMEED Pakistan



#### SGAC EX-OFFICIO



ACTING EXECUTIVE DIRECTOR Valentina LUCHETTI Italv





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# BAKU

Baku is proud to host the International Astronautical Congress for the second time in history. Visiting Baku for the IAC, you will, beyond doubt, be inspired and left in awe by the many opportunities this unique city full of contrasts has to offer.

Coming for the Congress, you will have a chance to stroll along narrow streets of a medieval town, explore pearls of contemporary architecture, enjoy the majestic sea views savouring delicious Azerbaijani cuisine, admire the sophistication of carpet-weaving traditions, and much more. Lots of lasting memories and impressions are guaranteed! A city of both the past and the future, Baku is famously known for being an energetic, spirited, exhilarating capital reflecting the values of integrity, inclusivity, sustainability, and multiculturalism in its daily life. Discover the many spectacular facets of Baku at the 74th International Astronautical Congress!

#### **GETTING AROUND IN BAKU**

Buses, metro and taxis will help you navigate in Baku easily. Metro system of the city provides a convenient means while a wide range of bus routes are very useful to get around the city. Fares for metro rides are 0.40 AZN per ride, independent from the journey length. As for bus fares, they may change between 0.40-1.30 AZN depending on the bus route you choose.

The payment for using metro and buses, both integrated within a single automated payment system, is facilitated through the use of a plastic card "BakıKart". "BakıKart" can be purchased and topped up at terminals located at metro stations and bus stops. To reach your designated destination within Baku and its suburbs, you may also opt for a taxi selecting one of many user-friendly applications, enabled by both local and international companies, at affordable prices.

#### WHAT TO DO IN BAKU

Visiting Baku for the 74th IAC, you will have a chance to explore a culture enriched by a historical heritage, unique landscapes, mouthwatering local cuisine as well as diverse and welcoming people.

Depending on your mood and spirit of the moment, you can decide which aspect of this culture you would like to open up for yourself first. From strolling along the narrow streets of the UNESCO-listed Old City surrounded by medieval monuments and warm atmosphere to experiencing fine dining options of either local or international cuisines, you will have a variety of options to spend your free time here.

You also have the choice of making this exploration more coherent and even travel outside Baku to add lifetime memories to your diary of IAC 2023. A variety of tours are offered to all the delegates here, presenting the best of local gastronomy, handicrafts, nature and many more. To book the tours, you may visit a dedicated platform iac.monkigo.com or approach the IAC Hospitality desk at the Registration Center and get support on social and technical tour booking on the spot.



# 5.1 General Information A – Z

We are pleased to welcome you to the 74<sup>th</sup> International Astronautical Congress! Here you will find some important information about the IAC 2023.

#### ACCESS TO THE BAKU CONVENTION COMPLEX

#### By Public Transport:

- Metro: Green and Red lines, station Nariman Narimanov, 8 minute walk to the entrance - Bus: Public buses looping around venue are buses No. 1, 2, 5, 11, 13.

#### By Shuttle Bus:

Complimentary shuttle buses are available on 4 different routes taking the delegates to the Congress Venue.

Complimentary airport shuttle buses are also available for the guests of the Congress upon their arrival to the Heydar Aliyev International Airport.

#### ACCESSIBILITY

The Baku Convention Complex is fully accessible for visitors with disabilities. The entire IAC 2023 onsite staff is able to accommodate special needs of the delegates with reduced and/or limited mobility. Please make sure to contact them should you require any specific assistance.

#### ACCOMMODATION

IAC 2023 guests can benefit from special discounts for accommodation in Baku during the dates of the Congress - we have prepared great offers to ensure your perfect stay in Baku! From luxury 5-star hotels and boutiques to budget 3-star options, a wide range of accommodation options are available on our partner platform so that everyone can find something for themselves: https://iac.monkigo.com/

Please note that for group bookings, you are kindly requested to contact hospitality@iac2023.org.

#### **BANKING FACILITIES**

The currency in Azerbaijan is Azerbaijani Manat (AZN).

There are multiple ATMs available at the airport upon your arrival, at the venue and in close proximity to it, and around the city.

Important notice: Our payment terminals at the venue will only accept Azerbaijani Manat for onsite registration. Please exchange your currency beforehand, as there are no nearby exchange centers.

#### **CATERING AREA**

There are multiple catering options available at the Baku Convention Complex.

Within the Exhibition Pavilion, the guests have access to 3 areas with tea/coffee service during exhibition opening time.

At the Venue, delegates can access a Food & Chill zone located behind the Baku Convention Centre, offering the opportunity to purchase a variety of meals, fast food and beverages.

To explore more dining options outside the Baku Convention Complex, please visit https://iac2023.org/dining/

#### **CLOAKROOM/WC**

At the Exhibition Pavilion: Cloakroom is located to the left from the main entrance. The WCs are located at the back end of the Exhibition hall. There is no charge. All are operational during the Exhibition Pavilion opening hours.

At the Baku Convention Center: Cloakroom is located on Level 1. There are WCs located on all levels of the venue. There is no charge. All are operational during the Congress opening hours.

At the Heydar Aliyev Center: Cloakroom is located on Level 1. There are WCs located on all levels of the venue. There is no charge. All are operational during the Congress opening hours.









#### **CONGRESS BAG**

Congress Bags will be available for pick-up at the Baku Convention Center on the first floor, next to the main gate. The opening hours for the pick-up will be from 07:00 to 18:00. Please note that the bags will be available for collection from September 28 to October 6.

#### **EMERGENCY PHONE NUMBERS**

Dial the following numbers for emergencies:

- Ministry of Emergency Situations hotline, 112
- Fire Protection Service, 101
- Police, 102
- Ambulance, 103

#### **EXHIBITION AREA**

The Exhibition Pavilion is open on 2-6 October from 10:00 till 18:00.

#### **IAF SECRETARIAT**

You can find us in the Exhibition Pavilion at the main entrance.

#### IAF MEMBERS LOUNGE

The IAF Members Lounge is located at the main entrance of the Exhibition Pavilion and is accessible for all IAF Members.

#### **INSURANCE AND LIABILITY**

The International Astronautical Federation (IAF) and Azercosmos, Space Agency of the Republic of Azerbaijan do not accept any liability for personal injury, loss, or damage to belongings of Congress participants, either during or as a result of the Congress. Please check the validity of your own insurance.

#### **INTERACTIVE PRESENTATION AREA**

Interactive Presentations will be displayed all week in the IP Area located at the level 2 of the Baku Convention Center. 50 screens will be at your disposal for consultation during the whole event.

#### **KIDS ZONE**

The Kids Zone room is located in the Baku Convention Center, room number D33.

#### LANGUAGE

The official Congress language is English.

#### LOST AND FOUND LOCATION

Participants can contact the Information Point or Registration Center to notify them about the lost items. Participants can collect their found badges from the Registration Center by presenting their identification. All other found items can be collected from the Information Point.

#### **MEDICAL ROOMS**

There are 2 medical rooms operating at the venue. The medical room of the Baku Convention Center is located at the Ground Floor, next to the cloak room. The medical room of the Heydar Aliyev Center is located at the -1 Floor.

#### NAME BADGE

A badge is required for admittance to all official Congress sessions and events, as well as the Exhibition. Each participant is asked to present the badge to gain access to the Congress. The badge must be clearly displayed.

#### **PUBLIC DAY**

a variety of activities, including art exhibitions, workshops and master-classes for children, VR games, quizzes, various photo zones and much more.

#### REGISTRATION

The Registration Center will be operational from September 22 to October 6. The working hours during this period will be as follows:

- From September 22 to September 26: 9:00 to 19:00
- From September 27 to October 6: 07:00 to 19:00

Please visit the Registration Center during these hours to complete your accreditation process. If you have any further questions or need assistance, our staff will be available to assist you.

#### **SMOKING POLICY**

There are several dedicated smoking zones around the venue:

- Outside the Baku Convention Center in front of the entrance; at the north-east corner of the Center
- Outside the Exhibition Pavilion in front of the entrance
- Outside the Heydar Aliyev Center in front of the entrance
- Next to the Food & Chill zone

#### **SOCIAL MEDIA**

Stay up to date with the latest developments at the IAC and the latest news from IAC. Facebook - https://www.facebook.com/IAC2023 Twitter - https://twitter.com/lac2023 LinkedIn - https://www.linkedin.com/company/iac-2023/ Instagram - https://www.instagram.com/iac2023baku/ #IAC2023

#### **SPEAKER PREPARATION ROOM**

The speakers of the technical sessions must send their presentations in advance. They have the possibility to consult them in the speaker preparation room and to make changes or to submit a new presentation. The Speaker Preparation Room is located at the Level 3 of the Baku Convention Center.

#### **TIME ZONE**

UTC/GMT +4 hours





# The Public Day will be held on October 6 at the Ground Floor of the Heydar Aliyev Center from 09:00 till 18:00. The program includes

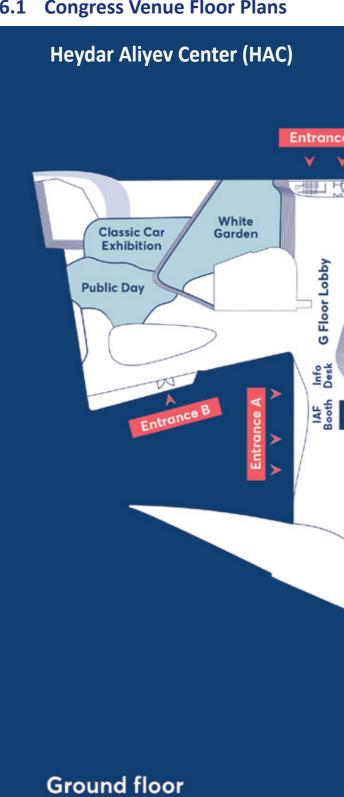




## 5.2 Baku Convention Complex



# **CONGRESS PRACTICAL INFORMATION** 6 6.1 Congress Venue Floor Plans Heydar Aliyev Center (HAC) Entrance E JAN KATH "SPACECRAFTED" EXHIBITION White Garden Classic Car Exhibition **G Floor Lobby Public Day** HAC Hall B HAC Hall C HAC Hall A Info Desk IAF Booth HAC Auditorium Wardrobe

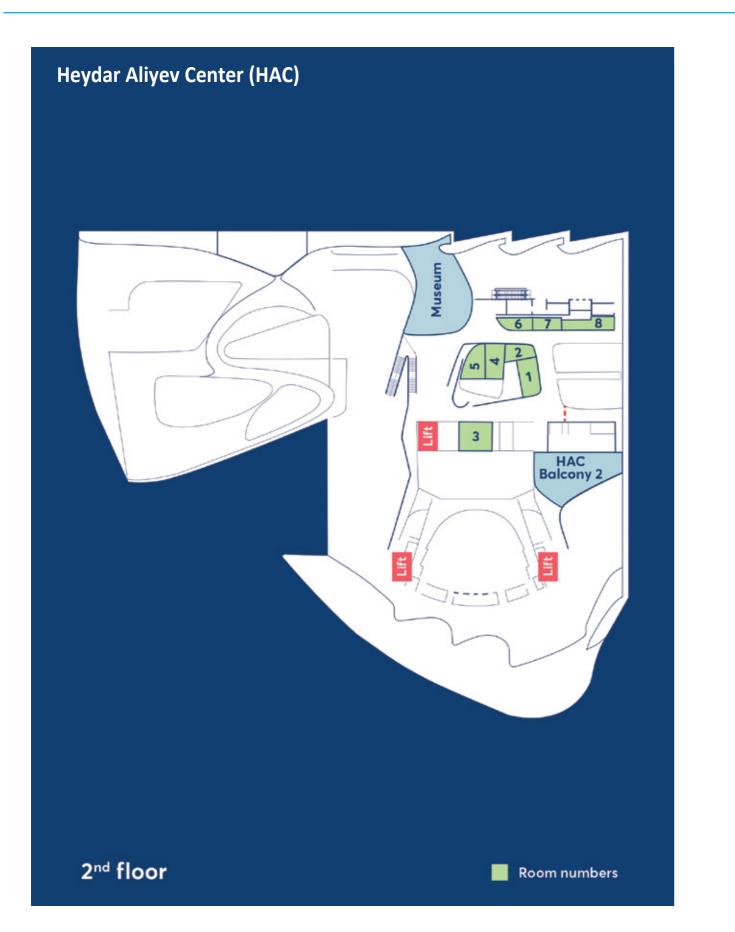


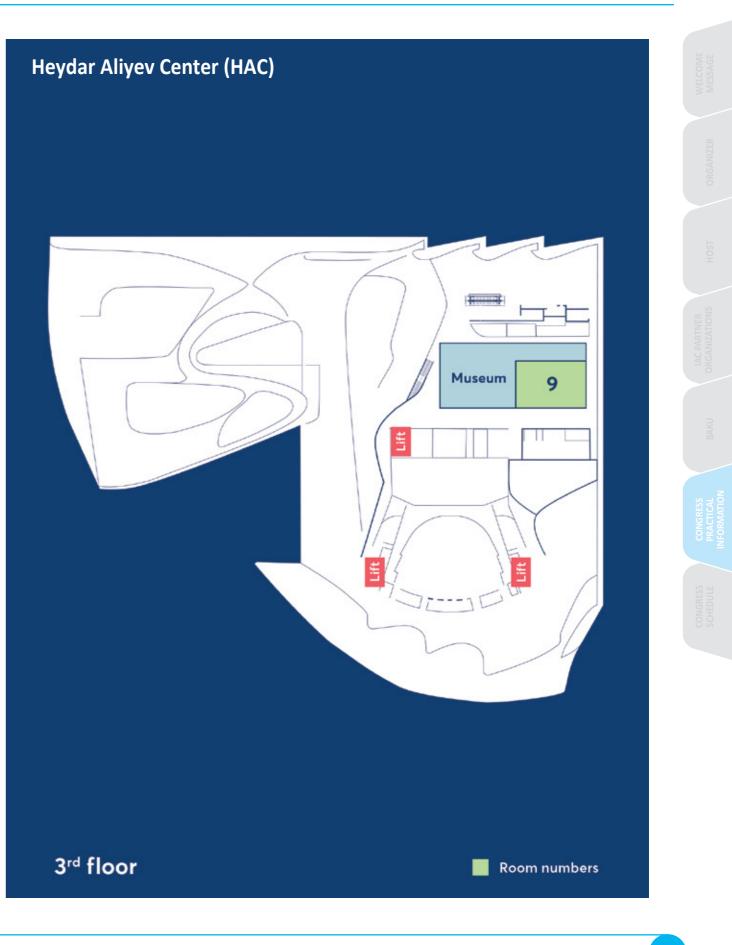




**T4 th** INTERNATIONAL ASTRONAUTICAL CONGRESS 2 - 6 OCTOBER 2023, Baku, Azerbaijan





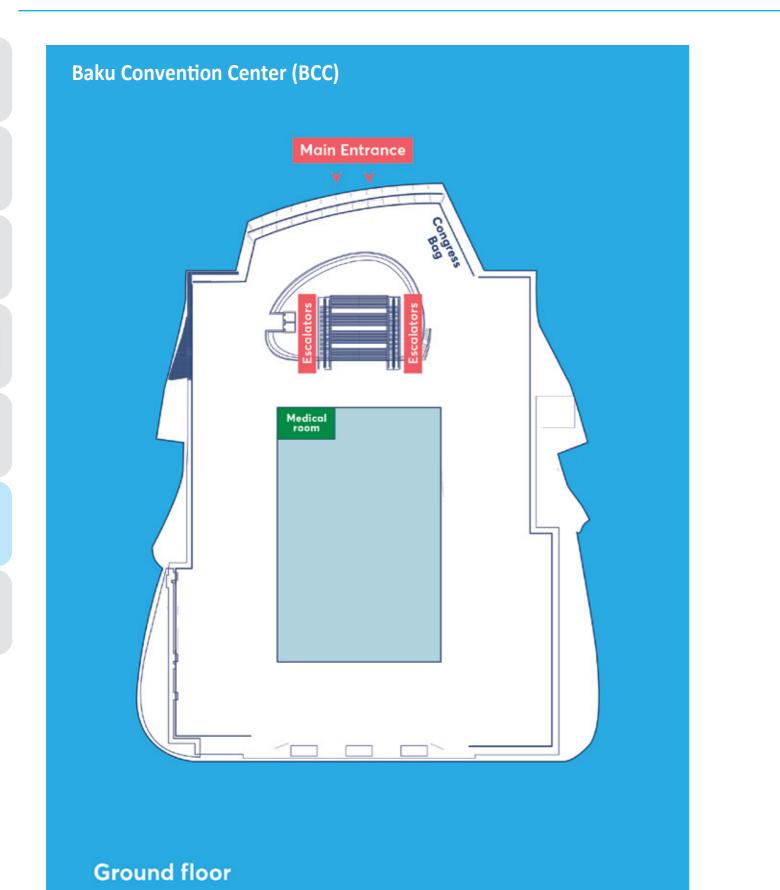


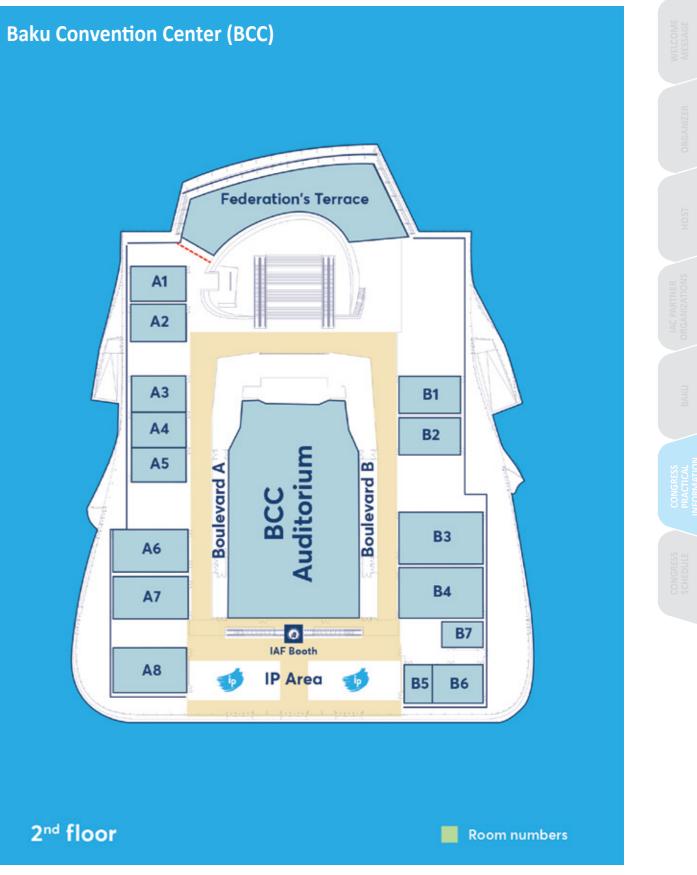




th INTERNATIONAL ASTRONAUTICAL CONGRESS 2 - 6 OCTOBER 2023, Baku, Azerbaijan





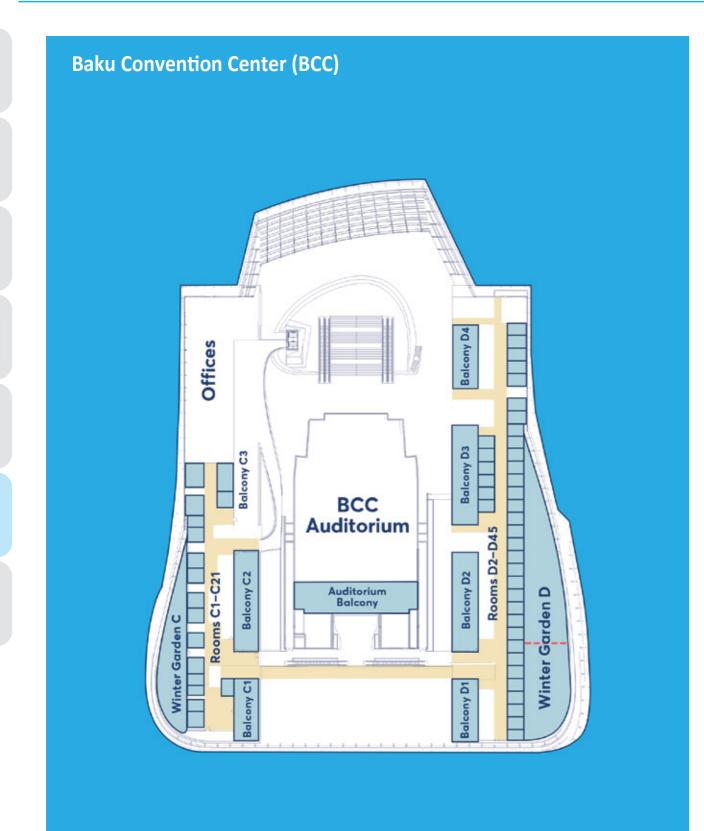


28









3<sup>rd</sup> floor

Room numbers

# 6.2 Registration

#### **Registration hours:**

	30 September	1 October	2 October	3-5 October	6 October
	Saturday	Sunday	Monday	Tuesday through Thursday	Friday
Open Timings	13:00	08:00	07:00	08:00	08:00
Close Timings	18:00	18:00	18:00	17:00	13:00

#### **Registration fees:**

-			
Registration Category	Early €	Regular €	Late Registration €
	Until 21 June	Until 17 September	From 18 September
Delegate Non Member	1300	1500	1600
Delegate Member	1000	1200	1350
Delegate Members are full-paying Participants who are employees or elected officers of an IAF member organization or who are current members of the IAA and the IISL.			
Retired Person	580	650	720
Retired Persons are defined as no longer employed and full-time retired, (will be requested to provide a document confirming their status).			
Next Generation:			
Young Professional	440	520	600
Under 35 years of age on the day of start of the Congress			
Full-Time Student	200	240	260
Under 35 years old, proof of full-time enrolment in a recognized university on college, and ID/passport			
Primary and Secondary Level Teacher	200	240	260
	200	240	200
Teachers must provide documentation from their organization to confirm they are educators of primary or secondary level.			
Accompanying Persons	110	120	160
The Accompanying Persons is defined as a spouse, civil partner or translator. Maximum 1 per full-paying Delegate, Retired, or Young Professional. Includes: Admission to the Exhibit Hall, Plenary Programme, the Opening Ceremony and the Welcome Reception. It DOES NOT include access to the Technical Programme.			
Accredited Press	0	00	0
Accredited Press must provide ID/Passport and Press Card. Important notice: Credentialed press cannot present papers in TEchnical Sessions but can have access to the Technical Sessions.			











FRIDA	AY 29 SEPTE	MBER															
HALL	ROOM	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00
(BCC)	BCC A2						30 <sup>th</sup> UN/I	AF Workshop (S 08:00 - 19:00									
re (B(	BCC A3						31st UN/	IAF Workshop (S 08:00 - 19:00									
Centre	BCC A4																
	BCC A5																
Convention	BCC A6								N/IAF								
ku Co	BCC A7								ncheon 0 - 14:30								
Baku	BCC A8						30 <sup>th</sup> UN/I <i>I</i>	AF Workshop (Pl 08:00 - 19:00									



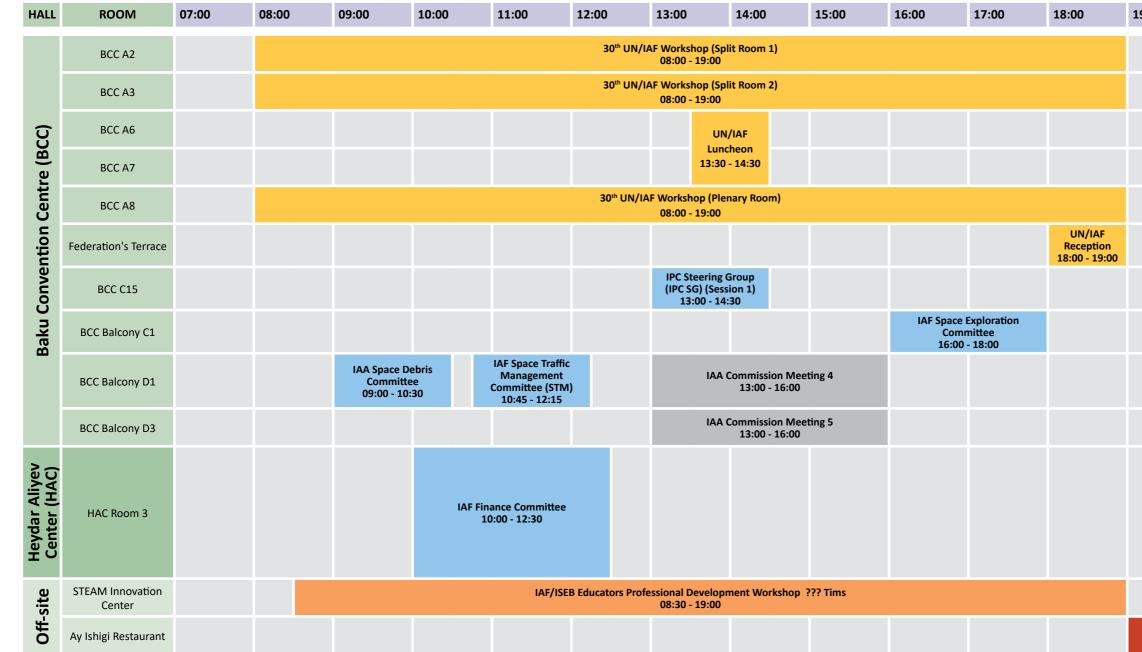








#### **SATURDAY 30 SEPTEMBER**







				WELCOME
19:00	20:00	21:00	22:00	WEL
				SS
				CONGRESS
	SGC Clos 19:00	ing Dinner - 23:00		





IALL	ROOM	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00
	BCC A1				Cross-Cultural Wr 08:	Vorkshop - Split Room 1 :15 - 13:30	1										
	BCC A2			30 <sup>th</sup> U	UN/IAF Workshop 08:00 - 13:0	(Split Room 1)											
	BCC A3			1	Cross-Cultural Wo	Vorkshop - Split Room 2 :15 - 13:30	2										
	BCC A4																
	BCC A5			1	Cross-Cultural Wo	Vorkshop - Split Room 3 :15 - 13:30	3										
	BCC A6								UN/IAF								
	BCC A7								uncheon :30 - 14:30								
(BCC)	BCC A8					30	/ <sup>th</sup> UN/IAF Wo 08	/orkshop (Plenary Rc 8:00 - 18:00	bom)								
intre	BCC B1					IAA Lunch											
on Ce	BCC B2					12:15 - 13:1											
Baku Convention Centre (BCC)	BCC B3								¢	IAF Technical Act Committee (TAC) Me Lab, IPC General N 14:30 - 16:30	Neeting, PS Meeting						
ku Co	BCC B4						IAA / 09	Academy Day 9-00 - 17:00									
Bal	BCC B6				Intern	national Programme M	anagement C Of	Committee (IPMC) \ 8:00 - 18:00	Young Professi	onals Workshop							
	BCC B7									IAA Bo 15	oard of Trustee 5:00 - 17:00						
	BCC C14					IAF Commer Spaceflight Sa Committe 11:00 - 12:3	Safety æe	IAF Spa Transport Commit 13:00 - 1	rtation hittee			AF Space Propulsion Committee 16:30 - 18:00					
	BCC C19					IAF Materials Structures Com 11:00 - 12:3	mmittee You	AF Workforce Develo oung Professionals Co (WD/YPP) 12:30 - 14:30	Committee	Se	ce Education and Committee (SEOC) Session 1 Si:00 - 17:00	C) - IAF Global Workforce Development Subcommittee 17:00 - 18:00	it e				
	BCC Balcony C1										Con	IAF Astrodynamics ommittee - Session 1 16:30 - 18:00					
	BCC Balcony D1					IAF	Human Spacef 11:00 -	eflight Committee ) - 14:30									
	BCC Balcony D2																









<b>ALL</b>	ROOM	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00
	BCC Balcony D3					14	AF Earth Observat GEOSS Su 11:30	tions Committee bcommittee ) - 14:30	and				IAF ESL/YSL Meeting 18:00 - 19:00				
	BCC Balcony D4									SGAC Workshop 14:30 - 16:30	,		IAF Committee for the Cultural Utilisation of Space (ITACCUS) - Session I 18:00 - 19:00				
(c)	HAC Hall A							IAC Hosts Summit									
er (H/	HAC Hall B							Luncheon 13:00 - 14:00									
Cente	HAC Hall C					IAC Hosts Su	ımmit							YP Event 19:00 - 20:00	YP Reception 20:00 - 21:00		
yev (	HAC Room 3									IA	AF Bureau - Ses 15:00 - 18:0	sion I O					
Heydar Aliyev Center (HAC)	HAC Room 8												IAF/IAA/ IISL Advisory Committee on History Activities (ACHA) 18:00 - 18:45				
a	Azerbaijan Parlia- ment					IAC 203 MMo 08:00 - 15											
Off-site	Shirvanshah Museum Restaurant													MMoP Coc 19:00	ktail + Dinner - 21:00		
S	Mugham Club													IAA Dinn 18:30 - 21			









L	ROOM	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00
	Exhibition Hall					Openin Exhibitio Ribbor cutting VIP Tou 11:30 - 12:00	/		Ex† 12:0	hibition 0 - 18:00							
	BCC Auditorium				Opening Cer 10:00 - 11	emony L:30					IAF General Asse 15:15 - 18:0	embly 0					
	BCC Auditorium Balcony										Technical Sessions 2	15:30 - 18:00					
	BCC A1										Technical Sessions 12	15:30 - 18:00					
	BCC A2										Technical Sessions 13	15:30 - 18:00					
	BCC A3										Technical Sessions 14	15:30 - 18:00					
	BCC A4										Technical Sessions 15	15:30 - 18:00					
	BCC A5										Technical Sessions 16	15:30 - 18:00					
	BCC A6										Technical Sessions 6	15:30 - 18:00					
	BCC A7										Technical Sessions 7	15:30 - 18:00					
	BCC A8										Technical Sessions 8	15:30 - 18:00					
	BCC B1										Technical Sessions 9	15:30 - 18:00					
	BCC B2										Technical Sessions 10	15:30 - 18:00					
F	BCC B3										Technical Sessions 1	15:30 - 18:00					
	BCC B4										Technical Sessions 3	15:30 - 18:00					
	BCC B5										Technical Session   15:30 - 1	ns 18 (GTS) L8:00					
	BCC B6																
	BCC B7										Technical Sessions 17	15:30 - 18:00					
					VIP Gathering 09:00 - 09:45	VIP Gathering	VIP Gathering	VIP Gathering	VIP Gathering Luncheon	VIP Gathering		Technical Sessions 17	Technical Sessions   15:30 - 18:00 Technical Sessions 17   15:30 - 18:00	Technical Sessions 17   15:30 - 18:00			









L	ROOM	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00
	BCC C14											IAF Space Po Committe 17:00 - 18:	ee				
	BCC C15								IAF Microgravi Sciences au Processe Committe 14:15 - 15:	vity and es tee		IAF Committee on Planetary Defense and NEOs 17:00 - 18:00					
	BCC C19						F Space Systems Committee 11:30 - 13:00						IAF Nomination Committee 18:00 - 19:00				
	BCC Balcony C1					Navigatio	e Communications ion Committee (SC 11:15 - 13:15	s and CAN)	IAF Space Life Sciences Committee 14:00 - 15:00	15.00 10.00							
	BCC Balcony C2									Tech	nical Sessions 19	15:30 - 18:00					
	BCC Balcony D1								IAF Space Eco Committe 14:00 - 15:	tee	Me	al Study Team eeting D - 18:00					
	BCC Balcony D3																
	HAC Lobby HAC White Garden														IAC 2023 1	Welcome Recep 9:00 - 23:00	tion
	HAC Auditorium								PE 1 13:45 - 15:15		GNF Sessi 15:30 - 18		PE 2 18:30 - 19:	:15			
	HAC Hall A									Тес	nnical Sessions 4	15:30 - 18:00					
	HAC Hall B									Тес	hnical Sessions 5	15:30 - 18:00					
	HAC Hall C										Special Session 15:45 - 17	ns (SpS) 7:45					
	HAC Balcony 2									Tech	nical Sessions 21	15:30 - 18:00					
Ī	HAC Room 9									Teck	nical Sessions 20	15:30 - 18:00					









.L	ROOM	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00
EXHIBILION	Exhibition Hall							Exhibition	10:00 - 18:00								
	BCC Auditorium Balcony				Technic	al Sessions 2	10:15 - 12:45			Technical S	essions 2   15:00	- 17:30					
	BCC Networking Area							IP Session 12:45 - 13:30									
ļ	BCC A1				Technica	al Sessions 12	10:15 - 12:45			Technical Se	essions 12   15:00	- 17:30					
	BCC A2				Technic	al Sessions 13	10:15 - 12:45			Technical Se	essions 13   15:00	- 17:30					
	BCC A3				Technica	al Sessions 14	10:15 - 12:45			Technical Se	essions 14   15:00	- 17:30					
_	BCC A4				Technica	al Sessions 15	10:15 - 12:45			Technical Se	essions 15   15:00	- 17:30					
Baku Convention Centre (BCC)	BCC A5				Technica	al Sessions 16	10:15 - 12:45			Technical S	essions 16   15:00	- 17:30					
entre	BCC A6				Technie	cal Sessions 6	10:15 - 12:45			Technical S	essions 6   15:00	- 17:30					
on Ce	BCC A7				Technic	al Sessions 7	10:15 - 12:45			Technical S	essions 7   15:00	- 17:30					
venti	BCC A8				Technic	al Sessions 8	10:15 - 12:45			Technical S	essions 8   15:00	- 17:30					
Con	BCC B1				Technie	cal Sessions 9	10:15 - 12:45			Technical S	essions 9   15:00	- 17:30					
Baku	BCC B2				Technica	al Sessions 10	10:15 - 12:45			Technical Se	essions 10   15:00	- 17:30					
	BCC B3				Technic	al Sessions 1	10:15 - 12:45			Technical S	essions 1   15:00	- 17:30					
	BCC B4				Technic	al Sessions 3	10:15 - 12:45			Technical S	essions 3   15:00	- 17:30					
	BCC B5				Те	chnical Sessions 10:15 - 12:4				Techni	cal Sessions 18 (GT 15:00 - 17:30	rs)					
	BCC B6				Techni	cal Sessions   1	10:15 - 12:45			Technical	Sessions   15:00 -	17:30					
	BCC B7				Technic	al Sessions 17	10:15 - 12:45			Technical S	essions 17   15:00	- 17:30					

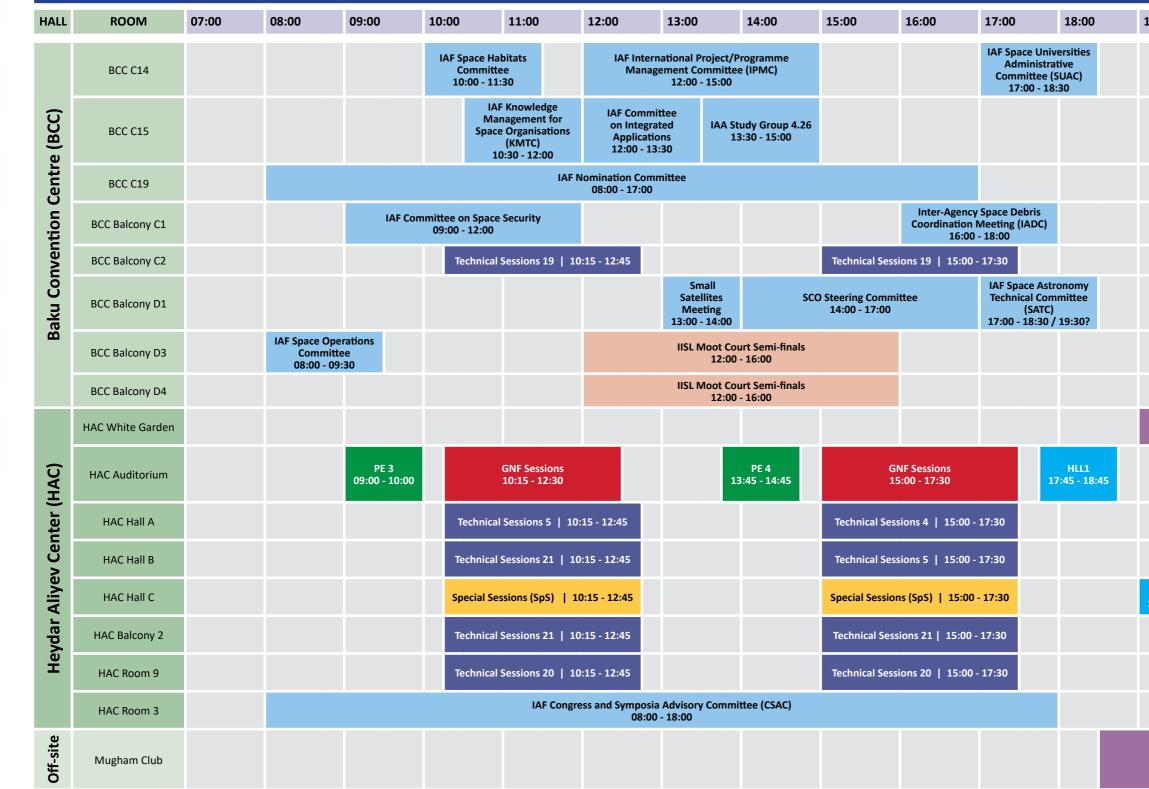








**TUESDAY 3 OCTOBER** 







19:00	20:00	21:00	22:00	
IAC 2024 Laur 19:00 -	nch Reception • 21:00			
				CONGRESS
YP Event 19:00 - 20:00	YP Reception 20:00 - 21:00			
Voyager Sp 18:30 -	ace Dinner - 21:30			





L	ROOM	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00
EXHIBITION	Exhibition Hall							Exhibition	n   10:00 - 18:00								
	BCC Auditorium Balcony				Techni	ical Sessions 2				Technical S	essions 2   15:00 -	- 17:30					
	BCC Networking Area							IP Session 12:45 - 13:30									
	BCC A1				Technic	cal Sessions 12	10:15 - 12:45			Technical Se	essions 12   15:00	- 17:30					
	BCC A2				Technic	cal Sessions 13	10:15 - 12:45			Technical Se	essions 13   15:00	- 17:30					
	BCC A3				Technic	al Sessions 14	10:15 - 12:45			Technical Se	essions 14   15:00	- 17:30					
	BCC A4				Technic	cal Sessions 14	10:15 - 12:45			Technical Se	essions 15   15:00	- 17:30					
Baku Convention Centre (BCC)	BCC A5				Technic	cal Sessions 16	10:15 - 12:45			Technical Se	essions 16   15:00	- 17:30					
entre	BCC A6				Techni	ical Sessions 6	10:15 - 12:45			Technical S	essions 6   15:00 -	- 17:30					
on Ce	BCC A7				Techni	ical Sessions 7	10:15 - 12:45			Technical S	essions 7   15:00 -	- 17:30					
venti	BCC A8				Techni	ical Sessions 8	10:15 - 12:45			Technical S	essions 8   15:00 -	- 17:30					
Con	BCC B1				Techni	ical Sessions 9	10:15 - 12:45			Technical S	essions 9   15:00 -	- 17:30					
Baku	BCC B2				Technic	cal Sessions 10	10:15 - 12:45			Technical Se	essions 10   15:00	- 17:30					
	BCC B3				Techni	ical Sessions 1	10:15 - 12:45			Technical S	essions 1   15:00 -	- 17:30					
	BCC B4				Techni	ical Sessions 3	10:15 - 12:45			Technical S	essions 3   15:00 -	- 17:30					
	BCC B5				Te	echnical Sessions 10:15 - 12:4				Techni	cal Sessions 18 (GT 15:00 - 17:30	'S)					
	BCC B6				Techn	nical Sessions   1	10:15 - 12:45			Technical	Sessions   15:00 - :	17:30					
	BCC B7				Technie	cal Sessions 17	10:15 - 12:45			Technical S	essions 17   15:00	- 17:30					









L	ROOM	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	/ د	18:00	19:00	20:00	21:00	22:00
	BCC C14									IAF Admini Committe Emerging Ecosystems - Group (ACC 15:00 - 1	ttee for g Space s - Steering CCESS SG)	IAF Latin-Am and Caribb Subcommi (LAC-SC 16:30 - 18	obean nittee SC)					
	BCC C15			IAF Afric Subcommittee 09:00 - 10	rica ee (AF-SC)	IAF Middle East and Central Asia Subcommittee (MECA-SC) 10:30 - 12:00			IAF Honours and Awards Committee (HAC) 13:30 - 15:00									
I	BCC C19					IAF Nomina	tion Committee	08:00 - 18	.:00									
	BCC Balcony C1				IAA SE	ETI Permanent Commit 10:00 - 13:00	ttee Meeting			Outreach Co Se	e Education a Committee (SE Session 2 :00 - 17:00	ind EOC) -						
	BCC Balcony C2				Tech	nical Sessions 19   10	0:15 - 12:45			Technical S	essions 19	15:00 - 17:30						
	BCC Balcony D1					IAF Enterprise Risk Management Committee (ERMC) 10:30 - 12:00				Coordinat (I	ext Generation ation Committ (NGCC) :00 - 17:00	n ttee						
	HAC Auditorium			PE 5 09:00 - 10:00		GNF Sessions 10:15 - 12:30			PE 6 13:45 - 14:45		GNF Session 15:00 - 17:00			HLL2 7:45 - 18:45				
I	HAC Hall A				Tech	hnical Sessions 5   10:	:15 - 12:45			Technical S	essions 4	15:00 - 17:30						
	HAC Hall B				Tech	nical Sessions 21   10	0:15 - 12:45	IISL G	General Assembly 13:00 - 15:00	Technical S	essions 5	15:00 - 17:30						
	HAC Hall C				Spec	cial Sessions (SpS)   10	0:15 - 12:45			Special Ses	ions (SpS)	15:00 - 17:00			YP Event 19:00 - 20:00	YP Reception 20:00 - 210::		
·	HAC Balcony 2				Tech	nical Sessions 21   10	0:15 - 12:45			Technical S	essions 21	15:00 - 17:30						
Ì	HAC Room 9				Tech	nical Sessions 20   10	0:15 - 12:45			Technical S	essions 20	15:00 - 17:30						
	HAC Room 3			IAF C	ongress and §	Symposia Advisory Cor 09:00 - 13:30	mmittee (CSAC)		IAF Industry Relat Committee (IR 13:30 - 15:30	IRC)			IAF Sustaina Task Fo 17:45 - 1	nability Force				
I	HAC Room 8																	









LL	ROOM	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00
	Exhibition Hall							Exhibition	10:00 - 16:00								
	BCC Auditorium Balcony				Technica	al Sessions 2   10	):15 - 12:45			Technical Ses	sions 2   15:	00 - 17:30					
	BCC Networking Area								Sessions 30 - 14:45								
	BCC A1				Technica	l Sessions 12   1	0:15 - 12:45			Technical Ses	ions 12   15:	:00 - 17:30					
	BCC A2				Technica	l Sessions 13   1	0:15 - 12:45			Technical Ses	ions 13   15:	:00 - 17:30					
	BCC A3				Technica	I Sessions 14   1	0:15 - 12:45			Technical Ses	ions 14   15:	:00 - 17:30					
	BCC A4				Technica	I Sessions 15   1	0:15 - 12:45			Technical Ses	ions 15   15:	:00 - 17:30					
	BCC A5				Technica	I Sessions 16   1	0:15 - 12:45			Technical Ses	ions 16   15	:00 - 17:30					
	BCC A6				Technica	al Sessions 6   10	):15 - 12:45	IP Award 13:00 - 13:30		Technical Ses	sions 6   15:	00 - 17:30					
והרר	BCC A7				Technica	al Sessions 7   10	):15 - 12:45			Technical Ses	sions 7   15:	00 - 17:30					
2	BCC A8				Technica	al Sessions 8   10	):15 - 12:45			Technical Ses	sions 8   15:	00 - 17:30					
	BCC B1				Technica	al Sessions 9   10	):15 - 12:45			Technical Ses	sions 9   15:	00 - 17:30					
5	BCC B2				Technica	I Sessions 10   1	0:15 - 12:45			Technical Ses	ions 10   15:	:00 - 17:30					
	BCC B3				Technica	al Sessions 1   10	):15 - 12:45			Technical Ses	sions 1   15:	00 - 17:30					
	BCC B4				Technic	al Sessions 3   10	):15 - 12:45			Technical See	sions 3   15:	00 - 17:30					
	BCC B5				Тес	hnical Sessions 18 10:15 - 12:45					l Sessions 18 ( .5:00 - 17:30	(GTS)					
DdKU	BCC B6				Technie	cal Sessions   10:	:15 - 12:45			Technical Se	ssions   15:0	0 - 17:30					
ڎ	BCC B7				Technica	I Sessions 17   10	0:15 - 12:45			Technical Ses	ions 17   15:	:00 - 17:30					
	Federation's Terrace		Science & Academia Breakfast 08:00 - 08:45				Aca Lur	ence & ademia ncheon 0 - 13:30									
	BCC C14			IAF Space Societ (SS) 09:00 -	C)	Science Cent	Museums and tres Committee ) - 13:00										
	BCC C15			IAF Europe Subcommittee (I 09:00 - 10:3	EU-SC) Subco	F Asia-Pacific ommittee (AP-SC) 10:30 - 12:00		IAF Commi for Liaison Internatio Organisatior Developing N (CLIODN	with mal ns and	IPC Steering (IPC SG) - Ses 15:00 - 16	sion 2						

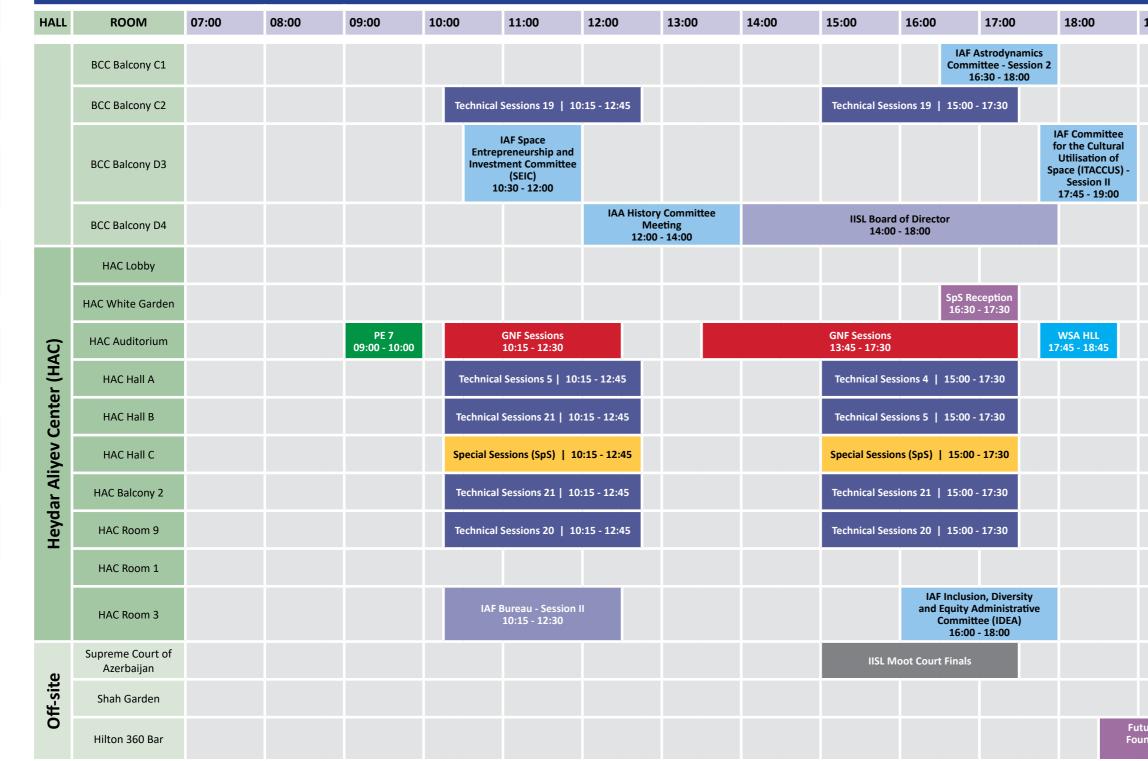








#### **THURSDAY 5 OCTOBER**







				WELCOME
19:00	20:00	21:00	22:00	
				CONGRESS
	IISL Dinne 19:30 - 22:	er 00		
ure Space Leade ndation Recepti 18:30 - 20:30	ers on			





ALL	ROOM	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00
EXHIBITION	Exhibition Hall						Exhibition	n   10:00 - 16:00	D								
	BCC Auditorium					IAF General Ass 10:15 - 12:4											
	BCC Auditorium Balcony				Tech	nical Sessions 2	10:15 - 12:45		Technical Sessio	ons 2   13:45 - 16:	15						
	BCC A1				Techn	nical Sessions 12	10:15 - 12:45		Technical Session	ns 12   13:45 - 16:	:15						
	BCC A2				Techn	nical Sessions 13	10:15 - 12:45		Technical Session	ns 13   13:45 - 16:	:15						
	BCC A3				Techn	nical Sessions 14	10:15 - 12:45		Technical Session	ns 14   13:45 - 16:	:15						
	BCC A4				Techn	nical Sessions 15	10:15 - 12:45		Technical Session	ns 15   13:45 - 16:	:15						
	BCC A5				Techn	nical Sessions 16	10:15 - 12:45		Technical Session	ns 16   13:45 - 16:	:15						
<b>C</b>	BCC A6				Tech	nical Sessions 6	10:15 - 12:45		Technical Sessio	ons 6   13:45 - 16::	15						
e (BC	BCC A7				Tech	nical Sessions 7	10:15 - 12:45		Technical Sessio	ons 7   13:45 - 16::	15						
entre	BCC A8				Tech	nical Sessions 8	10:15 - 12:45		Technical Sessio	ons 8   13:45 - 16::	15						
Convention Centre (BCC)	BCC B1				Tech	nical Sessions 9	10:15 - 12:45		Technical Sessio	ons 9   13:45 - 16::	15						
entic	BCC B2				Techn	nical Sessions 10	10:15 - 12:45		Technical Session	ns 10   13:45 - 16:	:15						
Conv	BCC B3				Tech	nical Sessions 1	10:15 - 12:45		Technical Sessio	ons 1   13:45 - 16::	15						
Baku (	BCC B4				Tech	nical Sessions 3	10:15 - 12:45		Technical Sessio	ons 3   13:45 - 16::	15						
ä	BCC B5					Technical Sessions 10:15 - 12:4	18 (GTS) 45			essions 18 (GTS) 45 - 16:15							
	BCC B6				Tech	nnical Sessions   3	10:15 - 12:45		Technical Sessi	ions   13:45 - 16:1	5						
	BCC B7				Techn	nical Sessions 17	10:15 - 12:45		Technical Session	ns 17   13:45 - 16:	:15						
	Federation's Terrace		YSL + ESL Breakfast with IAF Bureau 08:00 - 08:45				Lu	VIP uncheon 30 - 13:30									
	BCC Balcony C2				Tesh	nical Sessions 19	1 10-15 12-45				sions 19   15:0						

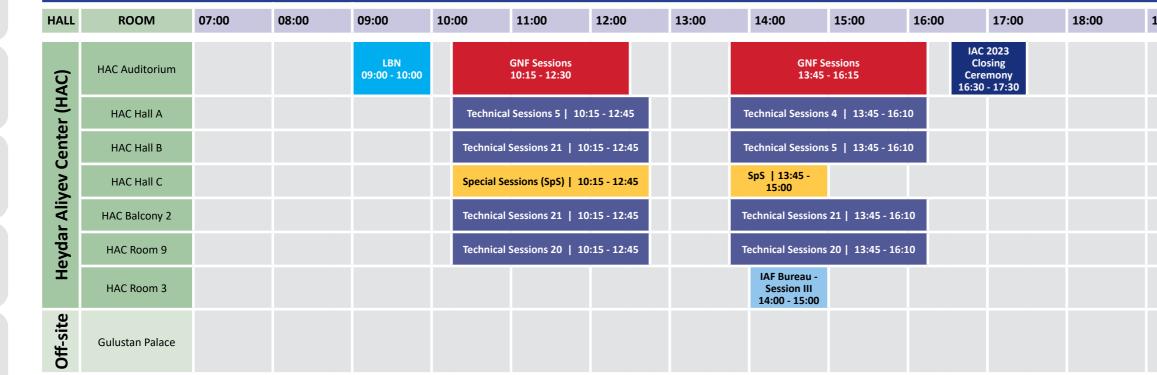








#### FRIDAY 6 OCTOBER



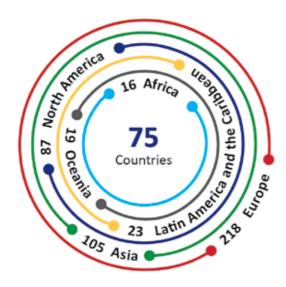




19:00		20:00	21:00	22:00				
	IAC 2023 Gala Dinner 19:30 - 23:30							

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