

74th INTERNATIONAL **ASTRONAUTICAL** CONGRESS

2-6 OCTOBER 2023 BAKU, AZERBAIJAN

A DELLA PERSONAL

PUBLIC, **PLENARY & IAF GNF PROGRAMME**

FINAL PROGRAMME

ORGANIZER:

HOST:







SUPPORTED BY:





11 human spaceflight missions in 3 years

42 astronauts representing 12 countries

1000+

research experiments contributing to science on Earth and future long-duration space missions

All making space more accessible and humanity multiplanetary



STARLINK

Internet from Space for Humans on Earth

Starlink is connecting 2 million customers and counting around the world in interesting ways - epic and everyday.

Go to stories.starlink.com to learn more.

ENGINEERED BY SPACEX





















Bringing the universe into focus. That's Defining Possible.



ngc.com/space © 2023 Northrop Grumman



BEYOND EARTH INFINITE HORIZONS

Building for Beyond

Our team of experts is constructing the world's first commercial space station, engineering next-generation spacesuits for walking in low-Earth orbit and on the surface of the Moon, and expanding access for individuals and nations from around the world to live and conduct research in microgravity.



#BuildingforBeyond axiomspace.com/IAC2023

ENDLESS POSSIBILITIES

0

R

F



POTENTIAL

UNLEASH THE POWER OF SPACE FOR FAST, ACTIONABLE INTELLIGENCE.

Obtain ground truth at the most critical locations on Earth, on repeat and without delay.

- · Get dawn-to-dusk hourly imagery of strategic assets, critical facilities, and active operations
- · Understand pattern of life and monitor rapid change for real-time situational awareness
- · Automate anomaly detection with Al-derived alerts, indications and warnings on emerging threats

Learn more at BlackSky.com Image of Baku, Azerbaijan

BLACK SKY

GET TO KNOW US



Х

Ρ

0

R

ENDLESS POSSIBILITIES







Reaching the Space Frontiers

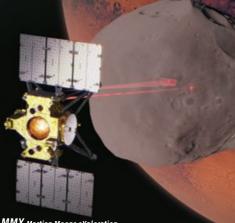




https://global.jaxa.jp



XRISM X-Ray Imaging and Spectroscopy Mission



MMX Martian Moons eXploration Future lunar base



ADVANCING INTERNATIONAL COOPERATION IN SPACE

• Equitable access to space for all • Orbit and frequency resources Satellites • Teleports • Connectivity • Broadcasting Satcom infrastructure
Space sustainability

Visit us at IAC 2023

Baku Convention Complex Exhibition Pavilion, stand #418

Meet a multinational team of young professionals from the Intersputnik Member Countries and discover the paintings of young Azerbaijani artists at our stand.

The presentation of the art works will take place on 2 October 2023 from 13:10 till 13:40.

Please confirm your participation in the presentation via e-mail event@intersputnik.int by 20 September 2023.

H3 Launch Vehicle

intersputnik.int

The future is clear. Actually, it's nuclear.

05

By using nuclear thermal propulsion technology, we are increasing efficiency and enabling deep space exploration beyond the Moon faster than ever before.



NIKKEI FORUM **THE FUTURE OF SPACE 2023 EXPANDING FRONTIERS - MISSION FOR SUSTAINABLE USE OF OUTER SPACE** ιΩ **IN-PERSON & LIVESTREAMING REGISTER NOW** WEDNESDAY, 25TH OCTOBER, 2023 10:00AM-6:00PM [TOKYO TIME] TENTATIVE FOR FREE LEARN MORE: https://www.global-nikkei.com/space/23/en/ SPONSORS SKY Perfect JSAT *Íto*chù MS&AD LEOLABS ORGANIZER NIKKEI OFFICIAL MEDIA NIKKEI ASIA HIROSHI YAMAKAWA ALEXANDRE VALLET NAOKO YAMAZAKI WITH PARTICIPATION FROM JAXA IN PARTNERSHIP WITH International Astronautical Federation (IAF) JAXA President Chief, Space Services Department Former JAXA astronau

Space Port Japan Asso

Bureau, ITU

MCS Small Satellite,

BIG Performance

IAI's Space Programs -Tailored to Your Specific Needs

With a heritage of four decades of operations in space, IAI - Israel's National Space House, provides space projects for GOI, as well as other customers around the planet.

Our Multi-mission Communication Satellite - MCS - provides highend communications in cost effective package and affordable launch prices. With fully digital payload, flexible BUS configuration and full cyber protection suite, all with mission life of 15 years in GEO orbit.

IAI offers various spacecrafts, from 1U CubeSats to 10 Tons Communication satellites.

IAI is your One Stop Shop for any space project.

www.iai.co.il • iai-in@iaiworld.co.il









CONTENTS

1.	Congress at a Glance
2.	Plenary and IAF GNF Programme at a Glance
3.	Daily Congress Programme
	Monday 2 October
	Tuesday 3 October
	Wednesday 4 October
	Thursday 5 October
	Friday 6 October

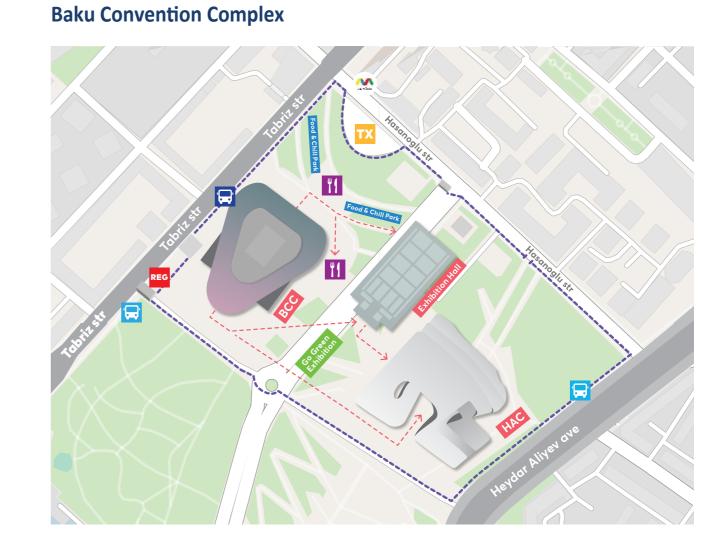


IAF Alliance Programme Partners 2023





Floor plans



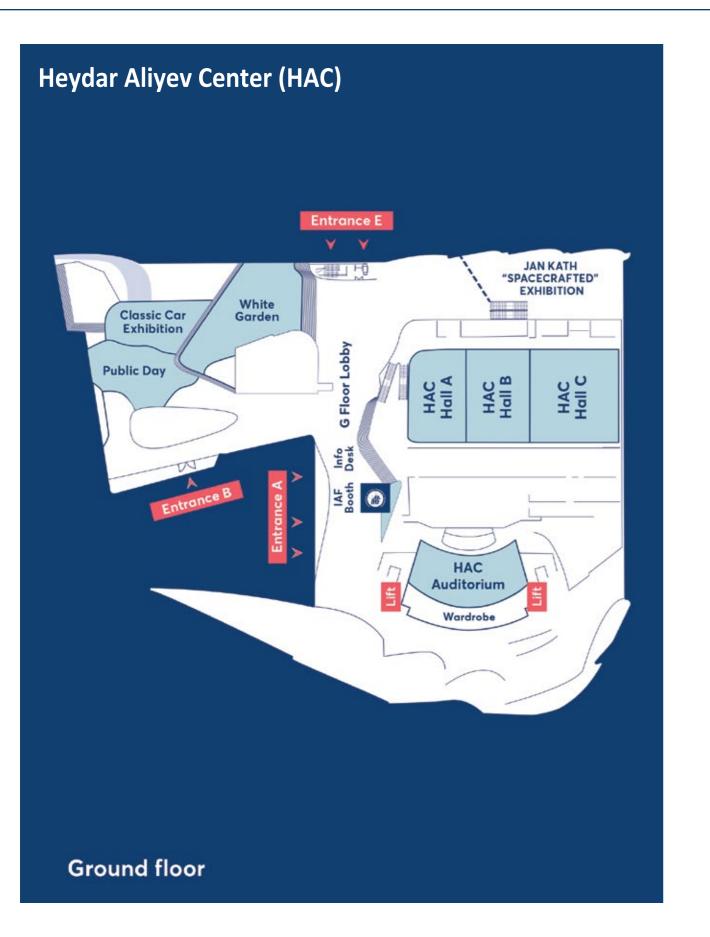


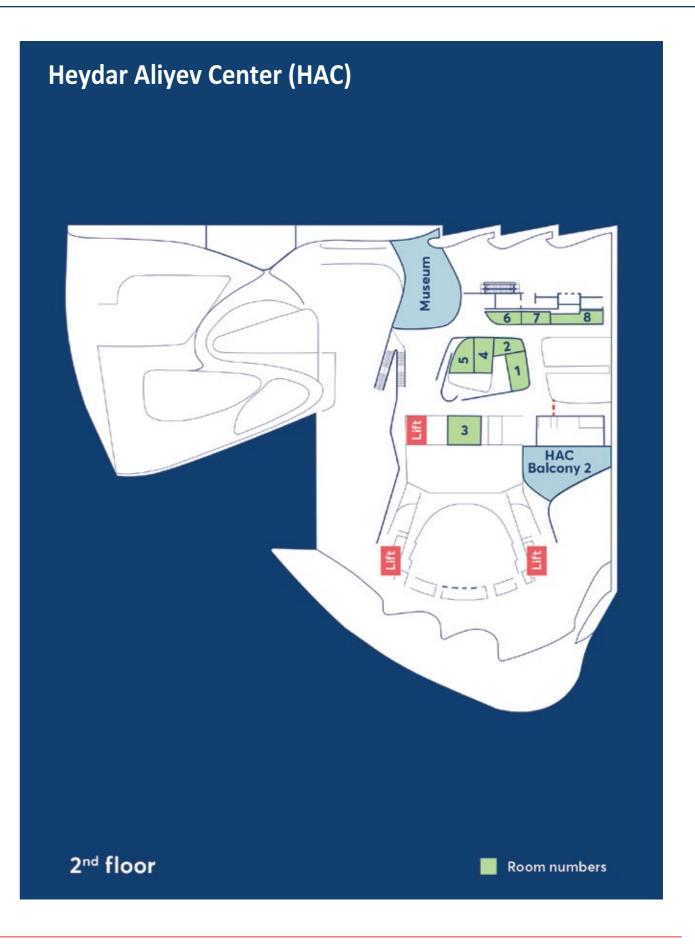










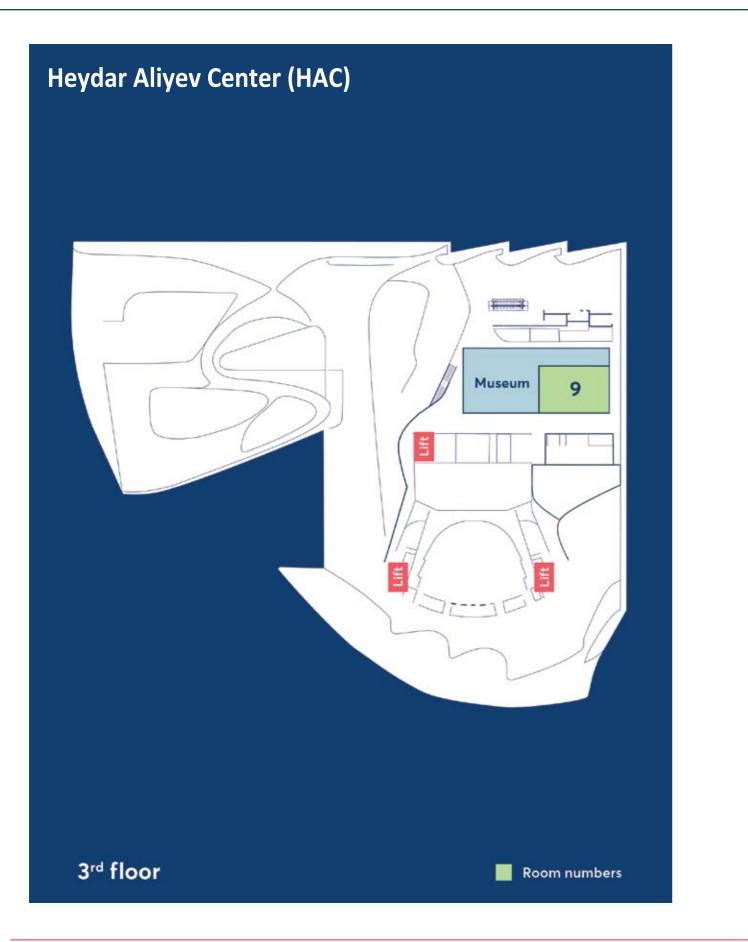


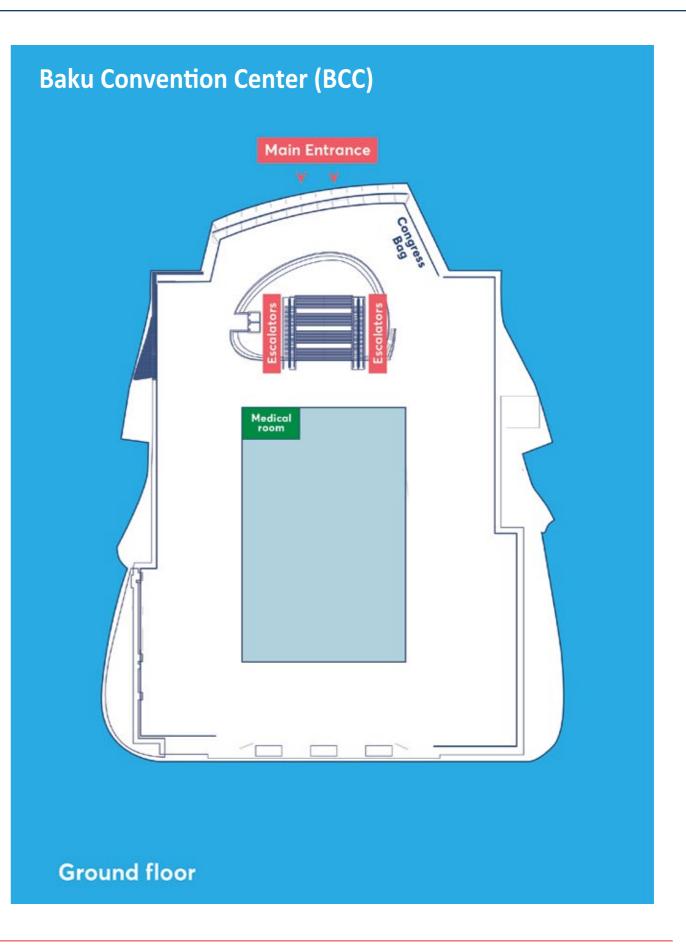










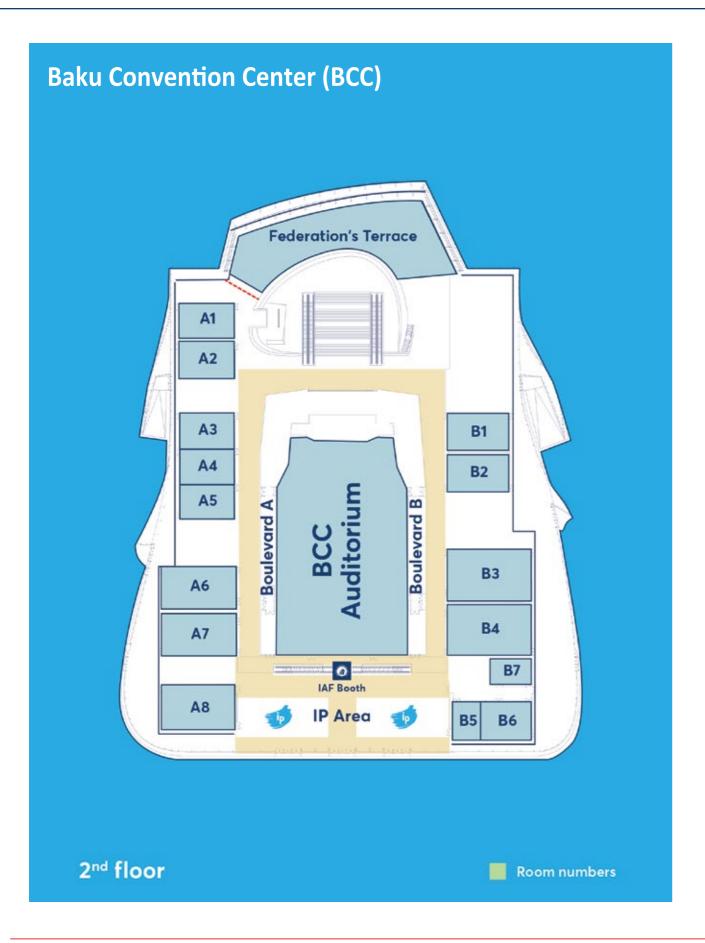


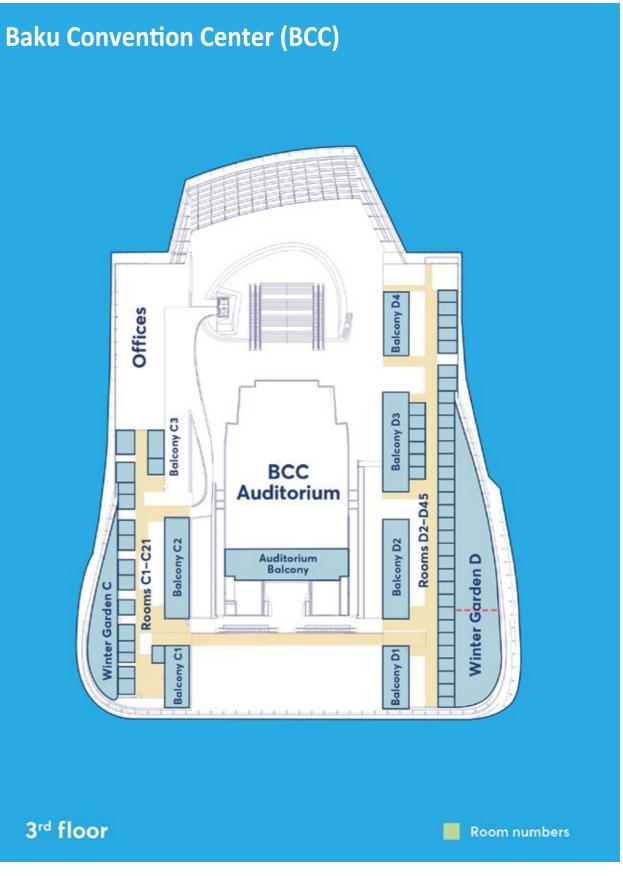












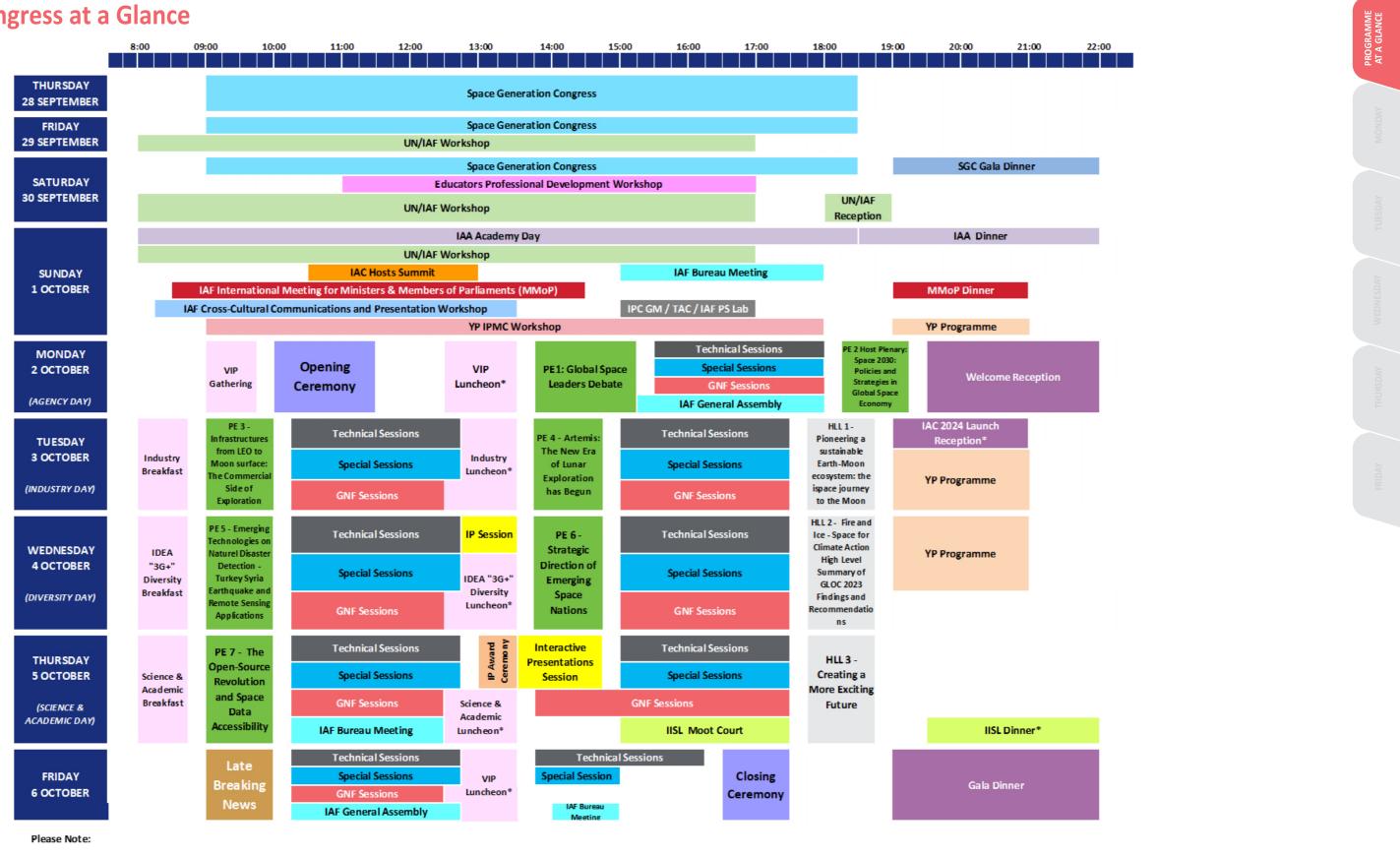








Congress at a Glance 1



*By invitation only; Pre-Congress events as well as the IISL Moot Court are dedicated to the respective participants







8.00

7.00

Plenary and IAF GNF Programme at a Glance

9.00

south pole

10.00

11.00

12.00

13.00

14.00

15.00



16.00

В

R

Α

к

PROGRAMME AT A GLANCE

2

* VIP Luncheon PE 1- One to One with Monday **Towards A Zero** Exhibition VIP Tou **Opening Ceremony** sponsored by 2 October **Debris Future Global Space Leaders** AIDAA/MICO inations in Lo PE 3 -Earth Orbit, **Enabling Science** Infrastructures Overcoming Sustaining Vital and Exploration ir ndustry Luncheor PE 4 - The Era of d Sustainability Industry from LEO to Moon Adversities: Deep Space -Tuesday Research, sponsored by **Lunar Exploration** Pillars for 3 October Breakfast surface: The lavigating through Commerce, Partnership and nnecting Peopl Voyager Space has Begun Infrastructure xploration throug ommercial Side of Challenging Times к on Earth private space **Opportunities** Exploration stations PE 5 - Emerging IDEA "3G+" Science on SSA-Technologies on Diversity HSF1 Mission: **Naturel Disaster** PE 6 - Strategic China Space Station *IDEA "3G+" Wednesday ampioning t Breakfast **Detection - Turkey** Exploring enefits Global Spac irection of Emergi 4 October ole that space **Diversity Luncheon** Exploration and sponsored by Syria Earthquake and Experiments and **Space Agencies** places in the Remote Sensing JPL Impact Applications IP Award **IP Session** Success in Ceremony Indian Space В В PE 7 - The Openpace Throug rrent Challenge Science and Gateway: R Policy 2023: rom Earth Source Revolution Security, Thursday in Space, what we Academic Humanity's Lunar **Emergence of** * Science and can learn from 5 October and Space Data Investment, o Suppo А India as Global Breakfast Space Station them? Academic Luncheo Accessibility and к Space Hub ustainabilit oes Everyone Really Love IAF – ASE Space Activities? How LBN: Chandrayaan ASTRONAUTS **Communications and** R 3: Initial results in **SESSION:** Friday torytelling Play a Crucial * VIP Luncheon Е 6 October exploring lunar Popularizing Space Role in Gaining Policy Α

hanges, Funding Support

and Workforce

Development

meet the Space

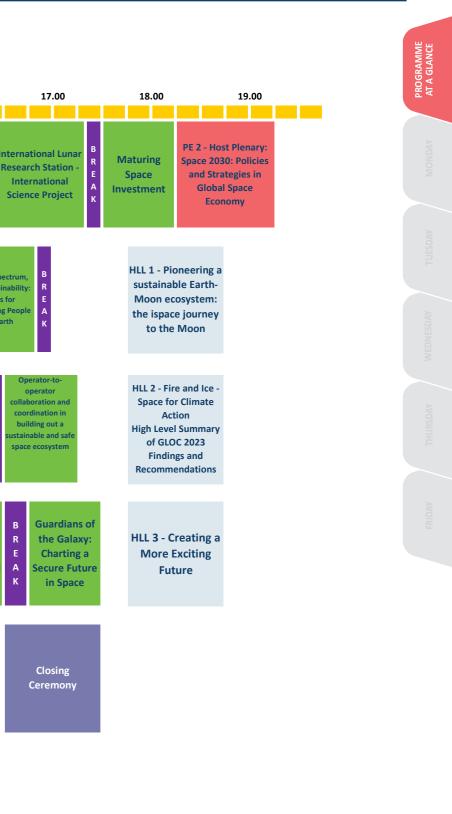
people"

К

*Upon Invitation Only











Daily Congress Programme 3

Monday 2 October

Location: BCC Auditorium

10:00 - 11:30

9:00 - 9:45

Master of Ceremonies



Nargiz BIKE-PITERSON Vice President, Regional General Counsel, Growth and Emerging Markets Takeda, United Arab Emirates

VIP Gathering

Opening Ceremony

Speakers:



Christian FEICHTINGER Executive Director, International Astronautical Federation (IAF), France

Yuval HARARI

Teacher,

Jerusalem,

Israel

Historian and History

Hebrew University of



Anthony TSOUGRANIS VP: Honours and Awards, IAF Bureau,

Opening Exhibition/Ribbon cutting/VIP Tour 11:30-12:00

Location: Exhibition Pavillion, Baku Convention Complex

12:30 - 13:30 VIP Luncheon (upon invitation only)

Location: Federation's Terrace, Baku Convention Centre

Sponsored by:



Allianz (II) MiCo



WELCOME REMARKS Clay MOWRY President, International Astronautical Federation (IAF), United States





Tommaso BANDERA Senior Operations Manager, Allianz MiCo Milan,

President, (AIDAA), Italv

WELCOME REMARKS **Clay MOWRY** President, International Astronautical Federation (IAF), United States

13:45 - 15:15 Plenary 1 – One-To-One With Global Space Leaders

Location: Heydar Aliyev Center (HAC) Auditorium

Master of Ceremony



Christian FEICHTINGER Executive Director, International Astronautical Federation (IAF), France

Opening Welcome



Samaddin ASADOV Chairman of the Board, Azercosmos Space Agency of the Republic of Azerbaijan, Azerbaijan









Claudio TAFFURI Italian Ambassador to Azerbaijan, Italy



MONDAY

13





Speakers:



SARAH AL AMIR Her Excellency Sarah Al Amiri Minister of State for Public Education and Advanced Technology and Chairwoman UAE Space Agency. United Arab Emirates



Pam MELROY Deputy Administrator, National Aeronautics and Space Administration (NASA), United States

President,

Japan

Japan Aerospace

Hiroshi YAMAKAWA

Exploration Agency (JAXA),





Russia

Yury BORISOV

Director General,

ROSCOSMOS,





MODERATOR Mishaal ASHEMIMRY Vice President for Diversity Initiatives, International Astronautica Federation (IAF), Saudi Arabia

Guoping LI

China

President,

Italy

Chief Engineer,

China National Space

Teodoro VALENTE

Italian Space Agency (ASI),

Administration (CNSA)

15:30 - 16:15 IAF GNF – Towards A Zero Debris Future



Location: Heydar Aliyev Center (HAC) Auditorium

This panel is driven by the shared concern about the continuing degradation of the outer space environment which puts space activities evermore at risk and, consequently, the need for more ambitious actions on space debris mitigation and remediation from all stakeholders. Heads of agencies are invited to highlight their views and measures on space safety and sustainability. The goal of the panel would be to identify collective efforts of a community of proactive actors towards jointly defined ambitious, meaningful and measurable targets by 2030. ESA's recently announced zero-debris charter will be introduced and discussed as a vehicle to drive joint ambitions in this field.





Speakers:







India







Michael NICOLLS Vice President Starlink Engineering, SpaceX, United States



16:25 - 17:20 IAF GNF – International Lunar Research Station - International **Science Project**

Location: Heydar Aliyev Center (HAC) Auditorium

The ILRS is a scalable and maintainable comprehensive scientific experiment facility proposed by China and jointly built by many countries, and operates autonomously on the lunar surface and lunar orbit for a long time, with short-term manned participation. It has ability to support energy supply, central control, communication& navigation, space-earth round trip, lunar scientific research and ground support, and continues to carry out multidisciplinary, multi-target, large-scale scientific and technological activities such as scientific exploration and research, resource development and utilization, and cutting-edge technology verification.

For this reason, we provide for details of series of cooperative opportunities for all interested international partners in the phases of the plan, demonstration, design, development, implementation, operation and scientific research of ILRS project during the event. Within speeches, we invite all interested international partners to cooperate in ILRS and contribute more for the peaceful exploration and use of Moon in the interests of all humankind, adhering to the principles of equality, openness and integrity.

Organized by:



Dengyun YU

Committee.

Corporation,

China

China Aerospace

Deputy Director of the

Science and Technology

Science and Technology

Speakers:

Qiong WANG Lunar Exploration and Space Engineering Center; Deputy Chief Designer of CLEP Chang'e-8 mission, China National Space Administration (CNSA) China



17:30 - 18:15 IAF GNF – Maturing Space Investment

Location: Heydar Aliyev Center (HAC) Auditorium

Investors around the globe are enabling new space capabilities, from launch facilities to satellite services to human activities on-orbit. As start up space companies mature and government space budgets grow, institutional investors are targeting space opportunities, considering use cases across commercial, civil and national security communities. This panel brings together perspectives on very substantial investments in space now and in the future.



MODERATOR













Engineer Of System Research Institute Deep Space Exploration

Thomas ZURBUCHEN

Professor and Director of





MODERATOR Lei WU Producer and Senior Space Correspondent. CGTN, China







Speakers:

Dana BAKI Chief Commercial Officer, The Exploration Company, United Arab Emirates

> **MODERATOR** Bhavya LAL Former Associate

United States

Administrator for Technology, Policy, and Strateay. National Aeronautics and Space Administration (NASA),





Pacôme REVILLON CEO, Euroconsult, France

PE

19:30 - 22:00 Welcome Reception

Location: Heydar Aliyev Center (HAC), Lobby & White Garden

Starts at 19:30 and will be held at the Heydar Aliyev Center ground floor. The programme includes speeches by Azercosmos and IAF, musical performances, cultural showcases by different performers, as well as appetizers and beverages service.





The National Space Policy aims to enhance the space sector's contribution to the national economy and promote the regional and international presence of the space agencies.

18:15 - 19:15 Plenary 2 – Space 2030: Policies And Strategies In Global Space Economy

The policy sets the general framework for countries' space industry and activities for the years leading up to 2030, including government activities related to space, commercial activities, scientific activities carried out by the public and private sectors and academic institutions and research and development centres.

Space presents significant opportunities in space ecosystem, space economy, contributing to the use of space science and technology as invaluable tools to help implement the SDGs as well.

There are already many tangible changes and challenges to the traditional ways of conducting space activities, with many new actors entering the field and new technologies affecting our efforts. Today, national and regional space agencies are working to extend the knowledge of space, and apply space science and technology to improve the lives of people worldwide.

The panel discussions will cover policy discussions on emerging space affairs issues and continue engaging with stakeholders to support and promote dialogue among governments, industry and the private sector, academia and society to effectively tackle challenges and address changes in the space ecosystem.

Speakers:



Chairman of the Board, Azercosmos Space Agency of the Republic of Azerbaijan. Azerbaijan



Serdar Hüseyin YILDIRIM Chairman of The Board and President. Turkish Space Agency (TUA), Türkiye





Dunay BADIRKHANOV

Azercosmos Space Agency of

the Republic of Azerbaijan,

Vice-Chairman.

Azerbaijan

Uri ORON Director, Israel Space Agency (ISA), Israel















Tuesday 3 October

08:00 - 08:45 Industry Breakfast

Location: Federation's Terrace, Baku Convention Centre



Clay MOWRY President, International Astronautical Federation (IAF), United States



KEYNOTE SPEAKER Julien-Alexandre LAMAMY Managing Director, ispace Europe, Luxembourg

IRC POSITION PAPER: ON THE SCARCITY OF WORKFORCE IN AEROSPACE INDUSTRIES. ROADMAP TO BETTER ATTRACT **TOMORROW'S TALENTS**

Speaker:



Carlo MIRRA Chair, IAF Industry Relations Committee, The Netherlands

09:00 - 10:00 Plenary 3 – Infrastructures From Leo To Moon Surface: The Commercial **Side Of Exploration**



Location: Heydar Aliyev Center (HAC) Auditorium

Space is now more and more accessible. The next logical step is to make it also affordable and sustainable. The goal is to build a thriving commercial ecosystem, enriched by a variety of players and infrastructures.

The panelists for this session represent the diversity of approaches and objectives that have been emerging in the realm of Commercial Space Exploration. The market is still in its infancy and several entities are bravely investing to grow it as they venture in LEO, on the Moon... and soon even beyond.

Speakers:



Dana BAKI Chief Commercial Officer, The Exploration Company, United Arab Emirates



Manfred JAUMANN Head of Low Earth Orbit and Suborbital Programs in Space Space Exploration, Airbus Defence and Space GmbH

Christian MAENDER Executive Vice President of In-Space Solutions. Axiom Space, LLC, United States



CARLO MIRRA Chair, IAF Industry Relations Committee, The Netherlands

10:15 - 11:15 IAF GNF – Overcoming Adversities: Navigating Through **Challenging Times**

Location: Heydar Aliyev Center (HAC) Auditorium

during tumultuous periods.

Organized by:



Speakers:



Valeriya BARASHKOVA

Manny SHAR Orbit Fab. United Kingdom



Chairman and CEO. Voyager Space Holdings, United States



United States

11:25 - 12:20 IAF GNF – Destinations In Low Earth Orbit, Sustaining Vital Research, Commerce, Exploration Through Private Space Stations

arianeGroup

Location: Heydar Aliyev Center (HAC) Auditorium

With a planned decommissioning of the International Space Station (ISS) in 2030, it is a matter of urgency that space agencies and commercial industry promote private space stations and laboratories. Turning concepts into a concrete reality is now a priority. Investors, Legal Experts, space agencies, and launch providers will discuss the importance of stimulating the efforts, pooling the resources, and preparing the infrastructure necessary for maintaining a human presence in Low Earth Orbit.

Organized by:







Networking Forum

Global

A deep dive into the firsthand experiences of leaders shedding light on their unique strategies and personal journeys of resilience

Managing Director,



Sita SONTY CEO. Space Tango. United States

MODERATOR Kyle ACIERNO Managing Director, OffWorld Europe,







Speakers:



Eric STALLMER Executive Vice President for Policy.

Robyn GATENS

Space Station.

United States

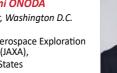
Director of the International

Space Administration (NASA),

National Aeronautics and

Government Affairs and Public Voyager Space Holdings Inc., United States

Masami ONODA Director, Washington D.C. Office. Japan Aerospace Exploration Agency (JAXA), United States



Steven RUTGERS Chief Commercial Officer, Arianespace, France

MODERATOR Scott PACE

Director. Space Policy Institute, George Washington University, United States

12:30 – 13:30 Industry Luncheon (Upon Invitation Only)

Location: Federation's Terrace, Baku Convention Centre



VOYAGER

SPONSOR KEYNOTE

Speaker:

United States



WELCOME REMARKS

Clay MOWRY President, International Astronautical Federation (IAF). Chief Revenue Officer. Voyager Space Holdings, United States

EXCELLENCE IN INDUSTRY AWARD CEREMONY



WELCOME REMARKS Andreas LINDENTHAL VP: Financial Matters and Industry Relations. IAF Bureau, Germany

Awardee:









Chair, IAF Industry Relations Committee The Netherlands

Cheryl REED

Program Director, Science and Robotic Exploration, Tactical Space Systems, Northrop Grumman Corporation United States



13:45 - 14:45 Plenary 4 – The Era Of Lunar Exploration Has Begun

Location: Heydar Aliyev Center (HAC) Auditorium

In the early morning hours of November 16, 2022, the massive Space Launch System (SLS) core stage and solid fueled boosters erupted to life to launch the first human-rated spacecraft to the moon in almost 50 years. After a series of perfectly timed burns, the uncrewed Orion separated from its SLS booster after less than two hours on a path to lunar orbit. This marked the beginning of the Artemis program and ushered in a new era in space exploration and this is just the beginning!

This proposal for an Exploration Plenary features robotic and human astronautical activities under way that are focused on exploration beyond Earth. Artemis-1 was the first in a series of increasingly complex missions that will enable human exploration to the Moon and Mars. The primary goals for Artemis-1 were to demonstrate Orion's systems in a spaceflight environment and ensure a safe re-entry, descent, splashdown, and recovery prior to the first flight with crew on Artemis II.

This plenary will discuss the beginning of the Artemis program and how future exploration objectives will be achieved. The panel will address lunar missions and how technology and infrastructure enables interoperable global lunar utilization where industry and international partners can maintain continuous robotic and human presence on the lunar surface. The panel will also touch on Artemis science accomplishments and future plans to address high priority science questions that are best done by on-site human explorers on and around the Moon and Mars, aided by surface and orbiting robotic systems.

Speakers:



Sharmila BHATTACHARYA Program Scientist for Space Biology in the Biological and Physical Science Division National Aeronautics and Space Administration (NASA), United States



MODERATOR Nuioud MERANCY

Strategy & Architecture Lead for Exploration Systems Development Mission Directorate,

National Aeronautics and Space Administration (NASA), United States

15:00 - 15:55 IAF GNF – Enabling Science And Exploration In Deep Space -**Partnership And Infrastructure Opportunities**

Location: Heydar Aliyev Center (HAC) Auditorium

This session will explore the transformative impact of deep space infrastructure on science and exploration. Building on the global Artemis program's momentum, numerous commercial companies are investing in the development of essential infrastructure to support and enhance lunar science and exploration missions. These companies intend to provide commercial services ranging from communication and navigation to mobility and power supply. At the same time, advanced scientific payloads are being developed across a diverse range of organizations.

This session will discuss how novel commercial services support much greater capability for lunar exploration and scientific endeavors, and the way these innovative business models will pave the way for the sustainable exploration of Mars and beyond, enabling





Associate Administrator for the Exploration Systems Development Mission Directorate (ESDMD). National Aeronautics and Space Administration



Hiroshi SASAKI

General for Human Spaceflight Technology

Agency (JAXA),

Japan

Vice President and Director

Japan Aerospace Exploration

Global

Forum

Networking

Meet, Share, Conne











scientific payloads to leverage the expanding infrastructure capabilities. The discussion will highlight a new and important area where scientists, government space agencies and commercial industry are working together to achieve common goals.

Organized by:



Speakers:



Ramon BLANCO US Head of Space, Added Value Solutions (AVS), United States



Agency Chief Technologist, National Aeronautics and Space Administration (NASA),

Daniel SCHEERES Distinguished Professor, Colorado Center for Astrodynamics Research University of Colorado, United States







MILO Space Science Institute,

16:05 - 16:50 IAF GNF – Space, Spectrum, And Sustainability: Pillars For **Connecting People On Earth**



Location: Heydar Aliyev Center (HAC) Auditorium

This would be a 45-minute moderated fireside chat discussion around space spectrum and sustainability considerations and on the positive impacts of space-based communications to people on Earth.



Speakers:







Switzerland





MODERATOR

Audrey L. ALLISON Senior Project Leader, Center



Holger KRAG Head of Space Debris Office, European Space Agency (ESA), Germany

17:45 - 18:45 Highlight Lecture – Pioneering A Sustainable Earth-Moon Ecosystem: The HLL ispace Journey To The Moon Location: Heydar Aliyev Center (HAC) Auditorium Speakers: Yoshitsugu HITACHI Janelle WELLONS INTRODUCTION Lander System Engineering Spacecraft Operations Takeshi HAKAMADA Group Manager, Engineer,





Young Professionals Networking Event (restricted to Young Professionals) 19:00 - 21:00

Location: Heydar Aliyev Center (HAC), Hall C

Join us for the opportunity for speed mentoring with industry leaders about how to navigate your career. Networking and reception will follow.

Sponsored by:



19:00 - 21:00 IAC 2024 Launch Reception (By invitation only)

Location: Heydar Aliyev Center (HAC), White Garden







Founder & CEO, ispace, inc, Japan

23





Wednesday 4 October

08:00 - 08:45 IAF IDEA 3G+ Diversity Breakfast

Location: Federation's Terrace, Baku Convention Centre

Psychological Safety: A Foundation for DEIA

We know from research that diversity is necessary and yet insufficient to have the most productive, creative teams. Psychological safety is a critical component for ensuring all team members speak up, voice their ideas, or raise a red flag is something is wrong. As part of its Diversity, Equity, Inclusion and Accessibility

(DEIA) Strategy, JPL has identified the need for increased psychological safety in our teams, particularly our flight projects, to ensure we achieve our missions successfully. In this session, you will learn what psychological safety is and how to create it.



Jet Propulsion Laboratory California Institute of Technol



WELCOME REMARKS Mishaal ASHEMIMRY Aerospace Consultant & Special Advisor to CEO, Saudi Space Agency (SSA), Saudi Arabia



WELCOME REMARKS Clav MOWRY President, International Astronautical Federation (IAF), Chief Revenue Officer, Voyager Space Holdings, United States

Psychological Safety: A Foundation for DEIA

We know from research that diversity is necessary and yet insufficient to have the most productive, creative teams. Psychological safety is a critical component for ensuring all team members speak up, voice their ideas, or raise a red flag is something is wrong. As part of its Diversity, Equity, Inclusion and Accessibility (DEIA) Strategy, JPL has identified the need for increased psychological safety in our teams, particularly our flight projects, to ensure we achieve our missions successfully. In this session, you will learn what psychological safety is and how to create it.

Speaker:



Keyur PATEL Director for Astronomy and Physics. Jet Propulsion Laboratory (IPI). United States



09:00 - 10:00 Syria Earthquake And Remote Sensing Applications

Location: Heydar Aliyev Center (HAC) Auditorium

On the morning of February 6, 2023, Turkey and Syria woke up with a completely different dream. A natural nightmare!. 7 hours after the nightmare was over, another nightmare occurred. More than 40,000 people lost their lives in two major earthquake disasters with magnitudes of 7.8 and 7.5. More than 100,000 people were left homeless and 10 different cities in Turkey were severely affected. The whole world was united with Turkey/Syria and a lot of material and moral assistance was provided. Undoubtedly, the wounds of this disaster will be hard to heal. As humans heal post-disaster wounds, we, as the space practitioners, must come up with ideas to mitigate the worst effects of disasters in the future. Therefore, this panel at IAC2023 will discuss how space technologies can contribute to natural disasters like this, by influencing the effects of Turkey/Syria Earthquake. The panel evaluates the earthquake as a "case study" and identifies the lesson learned and the expected improvements. Invited panelists from different backgrounds will evaluate the current and future status of projects in the Earth observation technologies such as image processing, early warning systems, remote sensing applications, artificial intelligence and communication practices. In addition, the moderator will manage the panel interactively with various aspects such as technological, socio-economical, socio-cultural and next generation perspectives. Therefore, this panel will create awareness for the Turkey/Syria earthquake, strengthen inter-institutional collaborations, motivate future generations and create an inspiration at the IAC2023. Topics covered in this panel can also be presented at other international events such as COP28, in Dubai.

Speakers:







Ozan KARA and Space. Institute.

Africa,

Planet.

Germany

10:15 - 11:15 IAF GNF – Science On SSA-HSF1 Mission: Exploring Experiments And Impact

Location: Heydar Aliyev Center (HAC) Auditorium

As part of its recently launched sustainable Human Space Flight (HSF) program, aimed at conducting diverse missions to expand Saudi's contributions to science, The Saudi Space Agency (SSA) has sent two astronauts, including the first Arab female astronaut, to the International Space Station (ISS) for a ten-day mission aboard SSA-HSF1 mission.

During their time aboard the ISS, the astronauts conducted 11 research experiments in a microgravity environment. They also engaged in three interactive educational outreach experiments with students in the Kingdom, bringing the total number of experiments to 14, focusing on human research, cell sciences, and cloud seeding.

Researchers from the King Faisal Specialist Hospital and Research Centre, Dr. Khalid S. Abu Khabar and Dr. Wijdan Ahmadi, conducted cell science experiments to understand the impact of space on the inflammatory response and RNA lifespan. A cloud seeding experiment in microgravity, simulating increased rainfall rates, was supervised by Dr. Ashraf Farhat from King Fahd University for Petroleum and Minerals.





Plenary 5 – Emerging Technologies On Natural Disaster Detection - Turkey



Rene GRIESBACH Regional Manager Pre-Sales in Europe, Middle East and



Karen ST. GERMAIN Director for Earth Science, National Aeronautics and Space Administration (NASA), United States







The findings from these experiments will support the development of suitable living conditions for humans in space colonies on the Moon and Mars. Additionally, Dr. Bader Shirah's team from Nebula Research and Development Company developed six experiments on human research, focusing on adaptation during spaceflights, brain impact assessments, and effects on human health in space.

Over 12000 Saudi students actively participated in ISS outreach experiments to enhance their understanding of space science and its potential for improving life on Earth.

This GNF session will include scientists and astronauts directly involved in SSA-HSF1 to discuss the experiments from the perspectives of the primary investigators, astronauts' execution, and students' outreach, as well as the research outcomes and impacts.

CMSA welcomes your participation in the event

Organized by:





Khalid S. ABU KHABAR Researcher, 4 Cell Science Experiments, King Faisal Specialist Hospital & Research Centre, Saudi Arabia



Ali AL-QUARNI Astronaut.

Saudi Space Agency (SSA), Saudi Arabia









Saudi Space Agency (SSA), Saudi Arabia

Bader SHIRAH Researcher, 6 Nervous System Experiments,

Ahmed AL-GHOFAILI

Exploration and Science,

Sector Head – Space

& Research Centre. Saudi Arabia

King Faisal Specialist Hospital





Nicolas PRODUIT Research Scientist University of Geneva Astronomy Department, Switzerland

to human spaceflight will be discussed.

CMSA welcomes your participation in the event!

Hong YANG

Chief Designer,

China

Chinese Space Station

benefit all human beings.

Organized by:

Speakers:

Researcher. China

Lei WU

CGTN.

China

12:30 - 13:30 IAF IDEA 3G+ Diversity Luncheon (Upon Invitation Only)

Location: Federation's Terrace, Baku Convention Centre





IAF Excellence in "3G" Diversity Award Ceremony



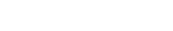
Anthony TSOUGRANIS VP: Honours and Awards. IAF Bureau, United States



Speakers:

MODERATOR

Valanathan MUNSAMI Denuty CEO Saudi Space Agency (SSA), Saudi Arabia



Location: Heydar Aliyev Center (HAC) Auditorium

large-scale and systematic space research with human participation.

IAF GNF – China Space Station Benefits Global Space Exploration 11:25 - 12:20

The in orbit construction of China's Tiangong Space Station has been successfully completed in 2022, marking the commencement of

a new phase focused on application and development that will span over a decade. This presents a historic opportunity to conduct

The space station features a basic three-module configuration consisting of the core module, Tianhe, and two lab modules, Wentian and Mengtian. It is designed to be a versatile space lab, capable of accommodating 25 experiment racks as well as exposed platforms for scientific exploration. Tiangong supports research in space life science and human research, microgravity physics, space astronomy and earth science, space new technology and application etc. Hundreds of thousands of experiments will be rolled out as planned.







A distinguished panel will discuss various aspects of the China Space Station, including overall scheme, building process, technical performances, vision of space science and research facilities etc. CMSA has also prepared to tell the story of Tiangong and its willingness to strength communication with global partners. How can commercial spaceflight inject new vitality and bring inspiration

China will continue to adhere to the development concept of openness and sharing, and carry out more and deeper pragmatic cooperation with countries and regions committed to the peaceful utilization of outer space. China Space Station is destined to

> Producer and Senior Space Correspondent,





Conamin LYU

Deputy Chief Designer of Space Utilization System of Manned the Space Program, Chinese Academy of Sciences, China

MODERATOR Lingi ZHU

Director of Asia Pacific Office, IAF Select Committee on Satellite Commercial Applications. China

WELCOME REMARKS Clav MOWRY

International Astronautical Federation (IAF), United States







AWARDEE

Colegio Federado de Ingenieros y Arquitectos de Costa Rica (CFIA)



"Joining Central American young, women, and indigenous peoples in Space through first Central American space project"



Marco Antonio ZÚÑIGA President of the General Board of Directors. Colegio Federado de ngenieros y de Arquitectos de Costa Rica (CFIA), Costa Rica

L'SPACE NASA Proposal Writing and Evaluation Experience (NPWEE) Project





"For recruiting and preparing a multigenerational and diverse space sector workforce while innovating over 100 new technologies"



Sheri Klug BOONSTRA Principal Investigator, NASA's Lucy Student Pipeline

and Competency Enabler L'SPACE) Program, United States

13:45 - 14:45 Plenary 6 – Strategic Direction Of Emerging Space Nations



Location: Heydar Aliyev Center (HAC) Auditorium

Space is vast becoming an important tool in advancing the developmental agendas of emerging space nations. We are at an era where space programmes of emerging space nations are receiving similar priority from national decision makers as that of space faring nations. What has changed?

In this session we will discuss why the chosen countries have ventured into space and why their governments are rallying behind them. The interesting question we need answered is 'Why are emerging nations suddenly giving space a chance?' The speakers will further share with us the global relevance of their national programmes. Furthermore, we will understand whether there is a common strategic drive within emerging space nations or whether their efforts are unique in nature.

Speakers:



Michal BRICHTA Slovak Investment and Trade Development Agency (SARIO) - Slovak Space Office, Azerbaijan



Zolana RUI JOAO General Manager, National Space Program Management Office (GGPEN),



15:00 - 15:30 IAF GNF – Going For Humanity: Creating A Responsible And Sustainable Universe

Location: Heydar Aliyev Center (HAC) Auditorium

As we prepare to explore more of the solar system than ever before, how we go is just as important as what we do when we reach our destination. NASA Deputy Administrator Pam Melroy will discuss how NASA is considering the ethical, legal, and social implications of performing future missions to explore the Moon, Mars, and beyond.

Organized by:



Speaker:



Pam MELROY Deputy Administrator, National Aeronautics and Space Administration (NASA), United States

15:40 - 16:20 IAF GNF – International Perspectives On Championing The Role That Space Places In The World

Location: Heydar Aliyev Center (HAC) Auditorium

As space sector professionals, students and enthusiasts, we're used to passionately talking to each other about space, and its many benefits.

We're well-versed in the multitude of ways that we use space - including using space applications to help us monitor climate change variables to protect our planet to using global navigation systems and satellite communications to help us connect, travel and work.





Natavan HASANOVA

Strategy and Business Development Director. Azercosmos Space Agency of the Republic of Azerbaijan.

Grzegorz WROCHNA Polish Space Agency (POLSA),





Humbulani MUDAU

CEO, South African National Space Agency (SANSA), South Africa

MODERATOR

Asanda SANGONI

Acting Managing Director, Earth Observations South African National Space Agency (SANSA), South Africa









We understand how important studying other planets is - and how this helps us understand the origins of the Universe, how the Earth formed and what its future might be, leading to advancements in science, technology and engineering.

However, there is still a need for us to 'make the case for space' to a wider audience. We need to convince policy-makers, budgetholders, potential new investors and the workforce of tomorrow of the value of space, to ensure that we're securing investment, a talented workforce and encouraging innovation in the sector.

This session will look at how we can better champion the power of space to inspire people, offer greener, smarter solutions and support a sustainable future.

Organized by:



Speakers:



Aanieszka ŁUKASZCZYK Vice President Government Affairs, EMEA, Planet. Belgium





Meganne CHRISTIAN Reserve Astronaut / Exploration Commercialisation, UK Space Agency, United Kingdom



MODERATOR

Engagement, International and Inspiration Director, UK Space Agency, United Kingdom

Anu OJHA





16:30 - 17:15 IAF GNF – Operator-To-Operator Collaboration And Coordination In Building Out A Sustainable And Safe Space Ecosystem



Location: Heydar Aliyev Center (HAC) Auditorium

Space is crucial for life on our planet, impacting the lives of billions of citizens around the world every day. Space technologies provide humanity with global positioning, precise weather predictions, internet connectivity and the capacity to monitor the Earth in nearreal time. This is enabled by major advancements in space technology and an increasing number of satellites in orbit. However, this proliferation of space-based assets requires a deliberate and coordinated approach to space traffic management (STM).

Ensuring the security of space infrastructure and the long-term sustainable use of space, is essential to provide a secure framework for the continuation of activities based on the collection and use of valuable data and services coming from satellites. The international regulatory frameworks relating to space sustainability should build off of existing voluntary best practices in order to develop more concrete mechanisms to maximize the benefits space offers.

This GNF will focus on themes around operator-to-operator collaboration and coordination and the role of SSA data and services in building out a sustainable and safe space ecosystem. We are aiming for a private sector-centered set of voices.

Speakers:



leffrey APELDOORN Head of Government Solutions Europe. Netherelands

Astroscale. United States



Catherine DOLDIRINA



Highlight Lecture - Fire And Ice - Space For Climate Action High Level 17:45 - 18:45 Summary Of GLOC 2023 Findings And Recommendations

Location: Heydar Aliyev Center (HAC) Auditorium

Mitigating and adapting to Climate Change is the major societal challenge of our times, and existential for life on Earth as we know it. The IAF Global Space Conference on Climate Change (GLOC) 2023 in Oslo, Norway was convened to inform political, media, users, the public and the space community on the unique contributions the space community is making and develop recommendations for how to accelerate the contribution.

Organized over three days, the conference provided a unique opportunity by convening a large set of influential actors across Government, Industry, Academia, non-Governmental Organizations, and across the developed and developing worlds from around the globe. There was an overwhelming response to the calls for technical and high-level sessions to provide a rich confluence of results, plans, ideas, directions, and recommendations. Indeed, the conference plan had to be expanded substantially from the original plan to accommodate the high level of interest. The aim was showcase and develop understanding and recommendations summarized by the theme: "Fire and Ice, space for climate action" to increase awareness and emphasis for decision makers across all sectors. Fire and Ice in the theme highlights the particular effect of climate change at the high and low temperature climatic zones of Earth in the equatorial and polar regions.

This Highlight Lecture will present the GLOC 2023 high level summary for the whole IAF community as a prelude for use in COP 28 in the United Arab Emirates. Audience questions and input will be welcome. Through this highlight lecture, we want to share the outcomes of this very important GLOC 2023 gathering with the broader space community, and thereby foster increased influence within the community, and grow momentum and support to carry these results forward to COP 28 in the United Arab Emirates. Audience guestions and input will be welcome.

Speaker:



James GRAF Director, Earth Science and NASA Jet Propulsion







Chris BLACKERBY Group COO & Director,

Agnieszka ŁUKASZCZYK Vice President Government





Amber CHARLESWORTH

Senior Manager, Space Policy. Amazon, Project Kuiper, United States

MODERATOR Tania MASSON-ZWAAN

VP: Science and Academic Relations. IAF Bureau Assistant Professor and Deputy Director of the International Institute of Air and Space Law (IIASL), Leiden University, Netherlands

HLL

Harry CIKANEK

IAF Earth Observations







19:00 - 21:00 Young Professionals Networking Event (restricted to Young Professionals)

Location: Heydar Aliyev Center (HAC), Hall C

Join us for a night focusing on space educational offerings and how you can get involved with our organizations. Networking and reception to follow.

Sponsored by:

Thursday 5 October

08:00 - 08:45 IAF Science & Academic Breakfast

Location: Federation's Terrace, Baku Convention Centre

Speakers:



International (ITU), Switzerland

MODERATOR Tanja MASSON-ZWAAN

VP: Science and Academic Relations, IAF Bureau, Assistant Professor and Deputy Director of the International Institute of Air and Space Law (IIASL), Leiden University,

09:00 - 10:00

Location: Heydar Aliyev Center (HAC) Auditorium

Netherlands

This Plenary highlights how the increasing accessibility of data, software, and other tools has revolutionized space, planetary and Earth science research over the last decade. A group of talented young professionals from different fields will speak on the impact of open science in their work. The importance of openness and accessibility has been highlighted by IAF member organizations like NASA, which has designated 2023 as The Year of Open Science.

Speakers:



Mohammad **IRANMANESH** Space Systems Engineer and Co-Founder, Lide.space,



Maheen PARBHOO Innovation Analyst, Research Institute for Innovation and Sustainability (RIIS), South Africa

Professor, United States











Timur KADYROV

Senior Radiocommunication Engineer, Space Services Department (SSD), Telecommunication Unior



Tejas BHARADWAJ

Research Assistant, Carnegie Endowment for International Peace India, India

Plenary 7 – The Open-Source Revolution And Space Data Accessibility



Emma LOUDEN

Anthony YUEN Formerly Assistant

Weill Cornell Medicine,





Oné MIKULSKYTĖ

Science & Organization Lead, Team Tumbleweed Netherlands

MODERATOR James GREEN

Chief Executive Officer, Chairman, Space Science Endeavors LLC, The Metavisionaries, United States





Location: Heydar Aliyev Center (HAC) Auditorium

Them

Speakers:

10:15 - 11:05



Julien-Alexandre LAMAMY Managing Director, ispace Europe, uxembourg



IAF GNF – Current Challenges In Space, What We Can Learn From





Global

Forum

Networking

Global

Forum

Networking

11:20 - 12:20	IAF GNF – Gateway: Humanity's Lunar Space Station

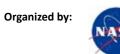


NASA's Gateway Program is an international and commercial collaboration to establish humanity's first space station in lunar orbit. Building on decades of success with ISS, Gateway is an enabler of the emerging lunar economy by extending more than 20 years of partnership and technology from low-Earth orbit to cis-lunar space and beyond.

The audience will hear directly from leaders at NASA, Northrop Grumman, the Canadian Space Agency, European Space Agency, and Japanese Aerospace Exploration Agency about how public-private partnerships spanning more than a dozen countries on three continents are delivering the core elements of the lunar space station. They will leave the forum with a new understanding of how Gateway will:

- · Provide benefits for all of humanity through onboard science investigations to study heliophysics, life sciences, and human health
- Grow the aerospace industry through the application of existing and leading-edge technologies in deep space, like Northrop Grumman's Cygnus architecture, advanced solar electric propulsion and autonomy
- And inspire the next generation of Earth's children when international teams of astronauts fly to and live on Gateway for longer duration missions at the Moon and prepare for journeys to Mars

The audience will also receive a status update on Gateway's progress ahead of the 2025 launch of the space station's first elements to lunar orbit.





Speakers:



Sean FULLER Gateway International Program Manager, National Aeronautics and Space Administration (NASA) United States



Jon OLANSEN Gateway Program Manager, National Aeronautics and Space Administration (NASA), United States

MODERATOR Tiffany TRAVIS Gateway Strategic Communications Manager, National Aeronautics and Space Administration (NASA), United States



Location: Federation's Terrace, Baku Convention Centre

Speaker:



International Cooperation Center of China Aerospace

France

14:10 - 14:40 IAF GNF – Using Data From Earth Observation To Support Sustainable Development Goals: Analysis Of National Cases And **Challenges For The Future**

- Earth observation data for agriculture, food security and climate change in the next ten years
- How space technologies assist in mitigating climate change
- Earth observation data is increasing rapidly. We need to better collaborate across the public and private space and technology sectors and to involve close stakeholder engagement.

Organized by:

azercosmos

Speakers:



Ismat BAKHISHOV Director of GIS Center, Azercosmos Space Agency of the Republic of Azerbaijan.





Fidan BEHBUDOVA Head of PR and Communication Unit Azercosmos Space Agency of the Republic of Azerbaiian. Azerbaijan

Location: Heydar Aliyev Centre (HAC) Auditorium

The GNF will unveil the following points:





MODERATOR Christian FEICHTINGER Executive Director,

International Astronautical Federation (IAF),





Director, Internationa



Fani KALLIANOU DE JONG

Principal Manager, European Bank for Reconstruction and Development (EBRD), United Kingdom





14:50 - 15:35 IAF GNF – Success In Space Through Security, Investment, And Sustainability



Location: Heydar Aliyev Centre (HAC) Auditorium

The IAF has undertaken a three-pronged initiative to address security, investment, and sustainability in its programs and activities. President Clay Mowry has shaped this agenda for the IAF, and will moderate a panel that explores these three forces that are shaping the future of space: the surge of private and public investment in space, space as a key element of geopolitics and particularly global security, and the relevance of sustainability to space, from managing climate to protecting the viability of the space environment.

Panelists will discuss the critical interaction among investment, security, and sustainability:

- National security users seeking to leverage new commercial capabilities enabled by investment
- Sustainable space environment contributing to national security mission outcomes
- Investment in debris remediation technologies supporting sustainability
- Shared elements of industrial base across commercial and national security applications and how they can be shaped to drive more sustainable outcomes

Speakers:



Nobu OKADA VP: Space Economy and Sponsorship, IAF Bureau. Founder & CEO, Astroscale. lanan





MODERATOR

Clay MOWRY President. International Astronautical Federation (IAF). Chief Revenue Officer, Voyager Space Holdings, United States

IAF GNF – Indian Space Policy 2023: Emergence Of India As Global 15:45 - 16:30 Space Hub



Location: Heydar Aliyev Centre (HAC) Auditorium

The Indian government initiated the space sector reforms, under the visionary leadership of the Hon'ble Prime Minister of India and his clarion call for Make in India, Make for World. As part of the reforms, the Indian National Space Promotion and Authorization Centre (IN-SPACe) was established on 24th June 2020. IN-SPACe has been found to promote, enable, authorise and supervise Non-Government Entities (NGEs) to undertake space activities as an integral part of the Indian space program. Over the past three years, the Indian NGEs and the private sector have received these reforms very well. Today, IN-SPACe has received over 300 proposals submitted by NGEs and registrations from over 1200 space organisations.

On 6th April 2023, the Indian government approved India's much-awaited Indian Space Policy 2023. This national space policy of the Government of India seeks to institutionalise private sector participation in the space sector with the Indian Space Research Organization (ISRO) focusing on research and development of advanced space technologies and IN-SPACe focussing on the development of space ecosystems in the country. Thus, the policy delineates the roles and responsibilities of ISRO, IN-SPACe, NGE and NewSpace India Limited (NSIL). The policy document has been optimistically welcomed as an essential step that would significantly broaden India's opportunity for further enhancing its stake in the global space economy.

In this context, IN-SPACe proposes to use the Global Networking Forum (GNF) to deliberate with our global partners the essence of the Indian Space Policy 2023 and the means to realise its stated objectives. At the GNF, we would also examine the potential of the Indian Space Policy 2023 to catapult India's capabilities as a friendly space-faring nation, one that aspires for Make in India, Make for World, and with sufficient competence to serve the national space economy and constructively contribute to the global space economy.

Organized by:



Speakers:



Clay MOWRY Chief Revenue Officer, Voyager Space Holdings,

Head. Australia

16:45 - 17:30 IAF GNF – Guardians Of The Galaxy: Charting A Secure Future In Space

Location: Heydar Aliyev Center (HAC) Auditorium

The global space sector is experiencing significant expansion, accompanied by an increasing number of participants and security challenges. In response, the IAF Security Task Force, comprising subject matter experts from various fields, proposes a GNF session comprised of diverse stakeholders such as space agencies, industry representatives, policymakers, and NGOs. The focus of the conversation will be the crucial importance of operating safely and responsibly within the space domain. A secure space environment not only fuels innovation but also safeguards the benefits that space systems provide to people on Earth. By fostering a secure space domain, we open up endless possibilities for scientific exploration, groundbreaking innovation, commercial development, and harmonious international collaboration. Leading experts will contribute to an engaging, interactive discussion shedding light on emerging security challenges in space and potential strategies to address them.

The session aims to raise awareness about security challenges, stimulate academic debate, and catalyze the development of collaborative solutions. All speakers in this session are members of the IAF Security Task Force. The session format will be a fireside chat, during which speakers will touch upon a variety of subjects. These will range from the sustainability of the space environment and space traffic management to potential threats to outer space activities, actions with deliberately harmful intent, and strategies for reducing space threats. The event's goal is to heighten awareness of emerging security challenges, promote information exchange, discuss obstacles, and explore collaborative solutions for ensuring a safe space environment for all.

Speakers:



Israel Space Agency (ISA)

Anil KUMAR India





Enrico PALERMO

Australian Space Agency



MODERATOR Pawan GOENKA

Chairman. Indian National Space Promotion Authorization Centre (IN-SPACe), India



Associate Director, ISTRAC and Chief General Manager, Safe & Sustainable Space **Operations Management** Indian Space Research Organisation (ISRO),



MODERATOR

Steve EISENHART

VP: IAF Global Networking Forum, IAF Bureau. Senior Vice President. Space Foundation. United States





17:45 - 18:45 Highlight Lecture – Creating A More Exciting Future

HLL

Location: Heydar Aliyev Center (HAC) Auditorium

As the most powerful launch system ever developed, SpaceX's Starship and Super Heavy launch vehicle is a fully and rapidly reusable transportation system designed to carry satellites, payloads, crew, and cargo to a variety of orbits and Earth, lunar, or Martian landing sites. SpaceX's Chief Engineer Elon Musk will provide an update on the design and development of Starship as SpaceX strives to fundamentally change the future of space transportation and help make life multiplanetary.

Speaker:





MODERATOR Clay MOWRY President, International Astronautical Federation (IAF), United States

Friday 6 October

09:00-10:00 Late Breaking News – Chandrayaan-3: Initial Results In Exploring Lunar South Pole

Location: Heydar Aliyev Center (HAC) Auditorium

India, the first nation to land in this region and the 4th to soft land on the moon surface. This is humanity's first step in exploring lunar south high latitude region. Chandrayaan-3's Lander has successfully deployed the Rover on the lunar surface. With this, the initial objectives of demonstrating safe and soft landing on the southern high latitudes of the Moon and exhibiting rover mobility on the lunar surface have been achieved. To achieve the further scientific objectives, the instruments accommodated in the Lander and Rover have already started operating in this region and are carrying out in-situ observations. The successful soft landing proved many new technologies in terms of sensors, actuators, simulation, navigation, guidance, control etc. which will be useful for future missions. In addition, the unexplored landing location (~69 deg S) is being characterized by science payloads in terms of seismicity, thermosphysical properties, plasma environment, elemental composition would be unique. ISRO is keen to present the preliminary scientific results from this historic mission at IAC 2023, as Late Breaking News.

Speakers:



M. S. ANURUP Director, Space Transportation Programm Office (STPO), Indian Space Research Organisation (ISRO),



India

Victor JOSEPH Associate Scientific Secretary & Director, Technology Development & Innovation Indian Space Research Organisation (ISRO)

10:15 - 11:15 IAF GNF – IAF-ASE Astronauts Session: "Popularizing Space - Meet The Space People"

Location: Heydar Aliyev Center (HAC) Auditorium

These days we see a surge of new ways to get people into Space. Is Space loosing its pristine, exclusive character? On the podium Space travellers will reflect on their motivations to launch into Space.

Organized by:









D. GOWRISANKAR

International & Internaency Indian Space Research Organisation (ISRO),



Anil KUMAR

Associate Director, ISTRAC and Chief General Manager, Safe & Sustainable Space Operations Management, Indian Space Research Organisation (ISRO), India







Speakers:



Ali AL-QUARNI Astronaut. Saudi Space Agency (SSA), Saudi Arabia

MODERATOR

Astronautics.

Germanv

Reinhold EWALD Astronaut and Professor of

University of Stuttgart,







Anna Yuryevna KIKINA Astronaut. ROSCOSMOS, Russia

12:30 - 13:30 VIP Luncheon (Upon Invitation Only)

Location: Federation's Terrace, Baku Convention Centre

16:30 - 17:30 **Closing Ceremony**

Location: Heydar Aliyev Center (HAC) Auditorium

The Closing Ceremony provides a formal end to the activities of the IAC. There will be a video summary of the week's highlights, presentation of awards, and at the end of the ceremony, the Congress flag will be handed over to the next host country – Italy.

Master of Ceremony:



Christian FEICHTINGER Executive Director, International Astronautical Federation (IAF),

Speakers:



Awards, United States

19:00 - 22:00

Gala Dinner

Location: Gulustan Palace

The dinner starts at 19:00 and will be held at Gulustan Palace. The programme includes speeches by IAF, Azercosmos and the Gala Dinner sponsor (Northrop Grumman), promotional video presentations, national Azerbaijani musical performances, classical music performances, national dances, as well as contemporary music. At the dinner, a variety of delicious dishes pertaining to Azerbaijani cuisine will be served.

Sponsored by: NORTHROP GRUMMAN





11:30 - 12:30 IAF GNF – Does Everyone Really Love Space Activities?: How **Communications And Storytelling Play A Crucial Role In Gaining**

Global Æ Networking Forum

Location: Heydar Aliyev Center (HAC) Auditorium

Space-based Earth observations can play a key role in addressing global challenges such as climate change, biodiversity loss, disasters, and other social-economic and environmental issues through their ability to capture data over a range of spatial, spectral and temporal resolutions. But how do the public, policymakers, and other stakeholders truly understand this value of Earth observation and other space data and assets to address problems on Earth? What can the space community do to increase awareness and engagement around technology adoption? This session will feature a variety of communications and space experts to discuss outreach and community understanding of how space assets and data serve as a tool for action. It will also explore challenges to communication and how these problems might be overcome.

Policy Changes, Funding Support, And Workforce Development

Organized by:



Speakers:













Ksenia OZKOK

Re.Brand Academy,

Founder,

Türkiye





Ian CHRISTENSEN Director of Private Sector Programs, Secure World Foundation, United States

Sergey STANOVKIN

Commercial Representatives

BBC Global News

United Kingdom

Head,

in Eurasia,







Anthony TSOUGRANIS IAF VP for Honours and

International Astronautical Federation (IAF),



FRIDAY



Notes

IAC2024.ORG



14 - 18 OCTOBER 2024 MILAN, ITALY



SUPPORTED BY:



ORGANIZED BY:

HOSTED BY:





INTERNATIONAL 75th ASTRONAUTICAL CONGRESS

RESPONSIBLE SPACE FOR SUSTAINABILITY

SAVE THE DATE!

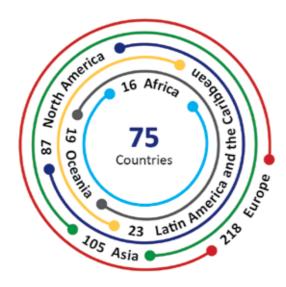
% LEONARDO

CO-HOSTED BY:



Join the IAF, the world leading space advocacy body!





Become an IAF Member

- Download the Application Form on www.iafastro.org
- ✓ Participate in the IAF Committees in charge of defining the Technical Programme
- ✓ Propose to host a Plenary Event during the IAC
- Propose a Global Networking Forum (GNF) Event to showcase your organization's latest achievements or to discuss the most interesting topics about Space
- ✓ Participate and vote in the General Assembly and nominate IAF Officers
- Host one of our events!

JOIN US



Download the Application Form on our website (www.iafastro.org) or request it to the Secretariat.



We will review your application and ask in case of missing information.



Complete the Application Form and attach the requested documents.



Once reviewed, your application will be recommended by the IAF General Counsel.



Send everything to our Secretariat. (info@iafastro.org)



Final approval by the General Assembly during the IAC.

Connecting **@ll** Space People

Sponsors and Media Partners

Premier Sponsor



Platinum Sponsors





Gold Sponsors





Silver Sponsors

AIRBUS



JXA

NORTHROP⁻ GRUMMAN

Bronze Sponsors



BLACK SKY

Sponsors



Allianz (II) MiCo



ITALDIZAIN

UNIMETAL



VOYAGER

Media Partners



SPACE IN AFRICA

































ORGANIZER:



International Astronautical Federation

100 Avenue de Suffren 75015 Paris, France

Phone: +33 1 45 67 42 60 E-mail: info@iafastro.org www.iafastro.org

Connecting @ll Space People

HOST:



Azercosmos, Space Agency of the Republic of Azerbaijan

72 Uzeyir Hajibayli str. Baku, Azerbaijan, AZ1000

Phone: +99412 310 0055 E-mail: info@azercosmos.az www.azercosmos.az

