

**IAC
2023
BAKU**

74th INTERNATIONAL ASTRONAUTICAL CONGRESS

ORGANIZED BY:



HOSTED BY:



**2 - 6 OCTOBER 2023
BAKU, AZERBAIJAN**

Global Challenges and Opportunities:
Give Space a Chance

SUPPORTED BY:



HIGHLIGHTS

WELCOME MESSAGE

Bravo Baku! The 74th International Astronautical Congress (IAC) in Baku, Azerbaijan was a resounding success and proved to be the most diverse event in Federation history! Our host Azercosmos, the Space Agency of the Republic of Azerbaijan, worked tirelessly to organize an incredible Congress attended by 5385 delegates from 132 countries.

The IAC returned to the city of Baku for the second time, where it was first hosted 50 years prior with the 24th IAC in 1973. The President of the Republic of Azerbaijan, Ilham Aliyev, warmly welcomed the IAC delegates during the opening ceremony and discussed the historic importance of organizing this event in the Caucasus region again a half a century later.

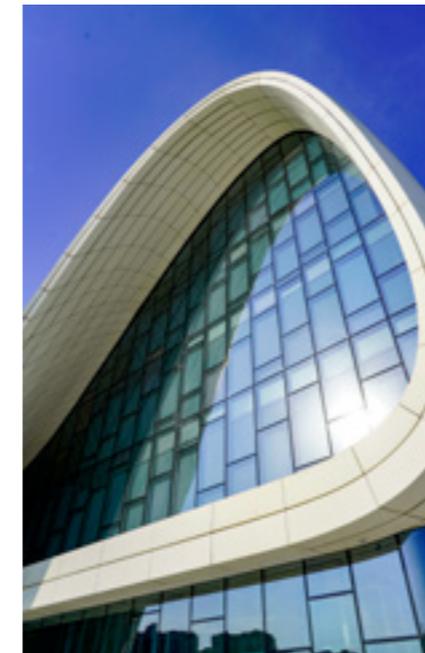
Under the theme *"Global Challenges and Opportunities: Give Space a Chance"*, the focus during this IAC has been on sustainability, security, and international collaboration. In addition to the more than 5,300 in-person delegates, more than 50,000 people joined the IAC from all over the globe thanks to the free live streaming of several sessions. More than 1,200 organizations were represented at the IAC, as well as 150 exhibitors and 30 sponsors. The programme consisted of over 46 Plenary, IAF GNF and Special Sessions, and more than 2,400 technical papers were presented during the week.

As usual there were many special highlights during the IAC week. To mention a few, the IAF World Space Award Winner, Elon Musk connected virtually to the IAC, for an exciting talk on future plans for SpaceX's Starship project. The virtual talk was a huge success and has been viewed 49 million times since the live webcast. During the Late Breaking News session ISRO shared the latest updates on the impressive Chandrayaan-3 lunar mission. Also, for the first time as part of the IAF International Astronauts Chapter, IAC brought together 17 International Astronauts covering space flights from 1969 to 2023.

Enjoy this booklet capturing the main highlights of the splendid IAC 2023 in Baku, Azerbaijan. Next year we are heading to Milan, Italy for the 75th International Astronautical Congress, organized together with our host AIDAA and two co-hosts ASI and Leonardo. It promises to be another spectacular IAC and we cannot wait to gather the whole space community again!

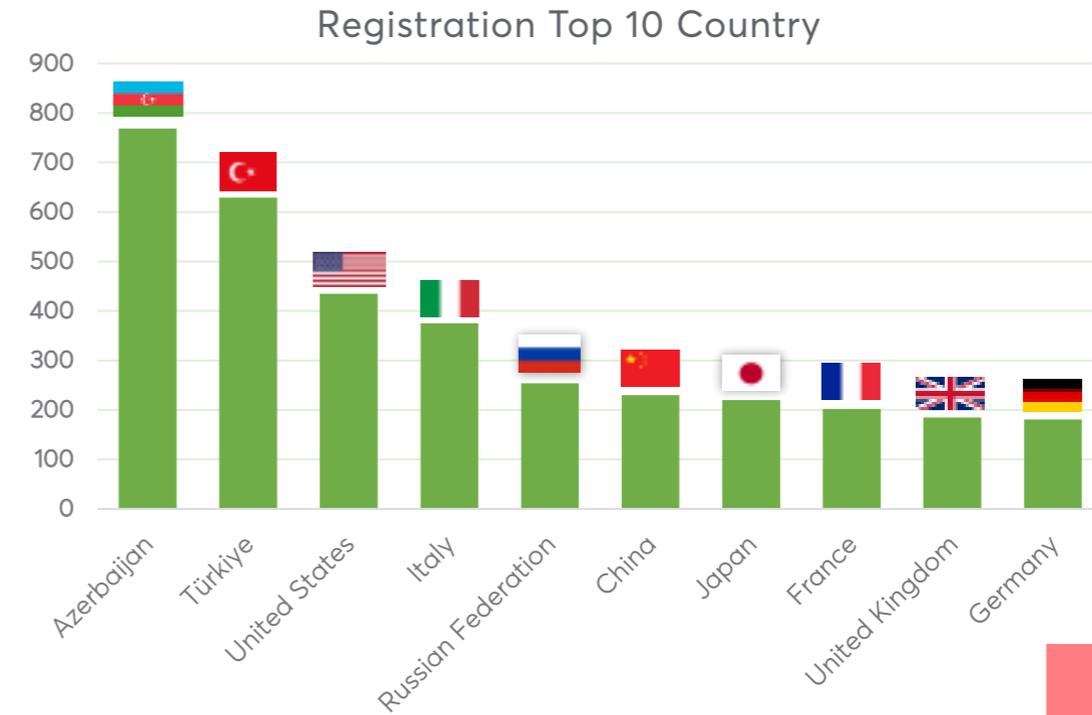
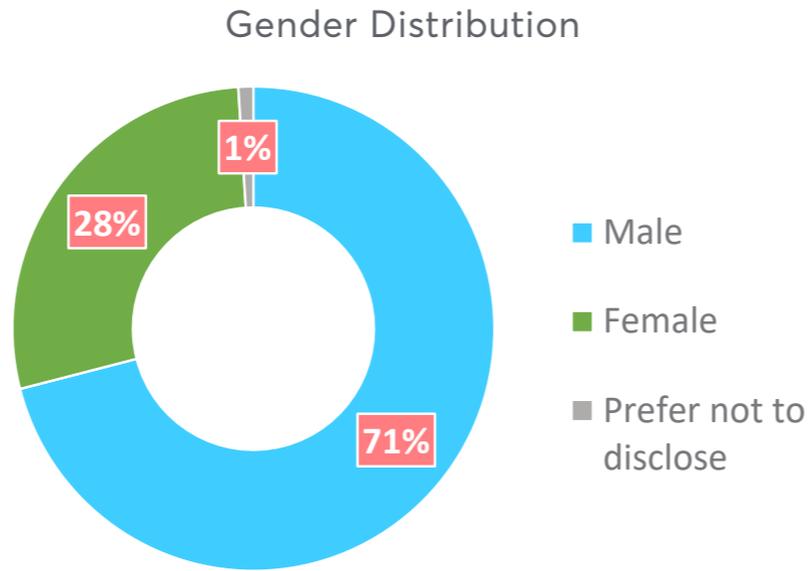
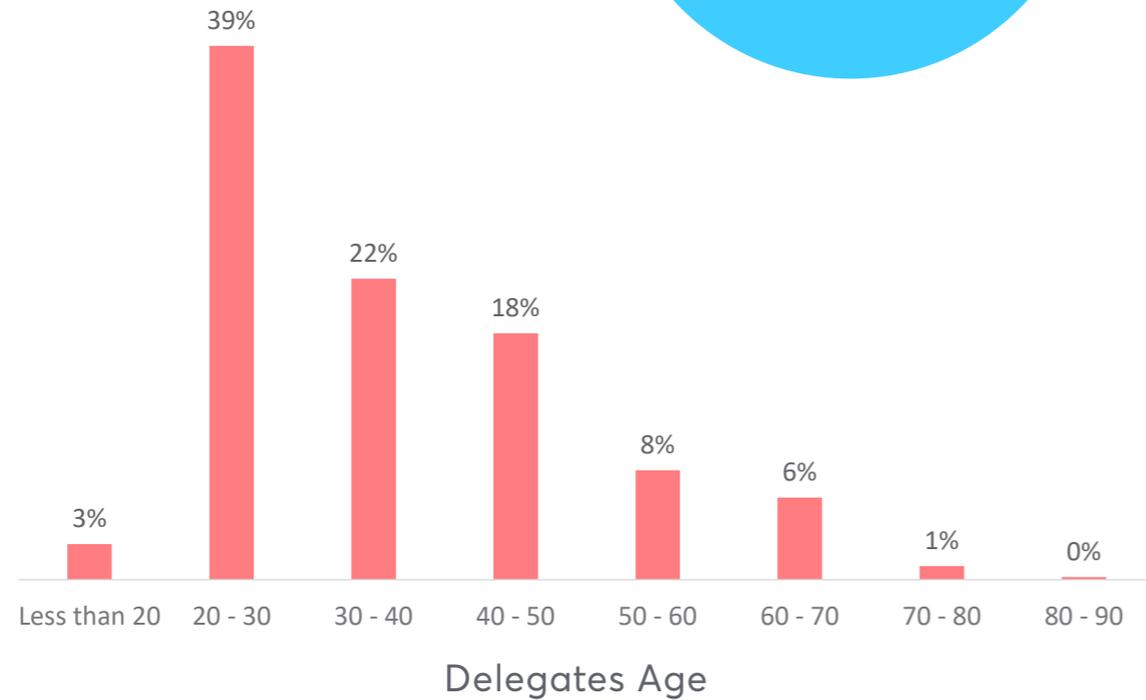
Clay MOWRY

President,
International Astronautical Federation (IAF)



REGISTRATION

Statistics

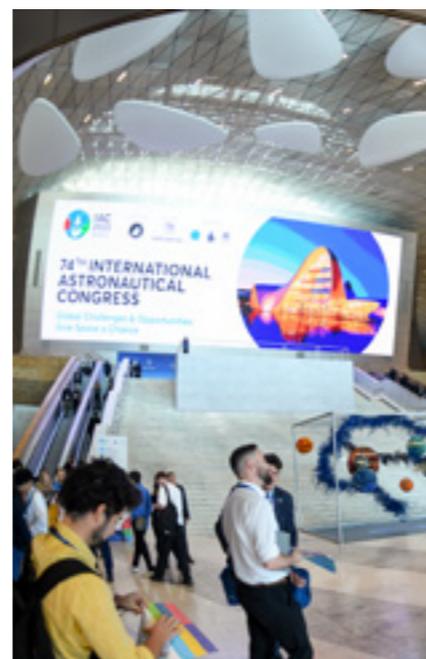


Next Generation by Age

| | Less than 20 | 20 - 24 | 25 - 29 | 30 - 35 |
|-----------------|--------------|---------|---------|---------|
| Next Generation | 5% | 34% | 33% | 26% |

MONDAY

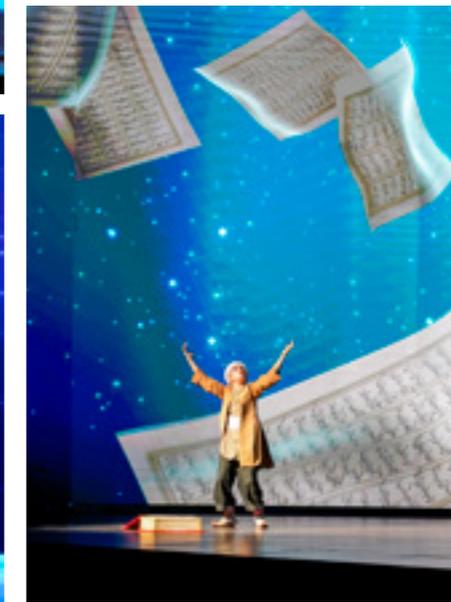
Agency Day



The Arrival



MONDAY



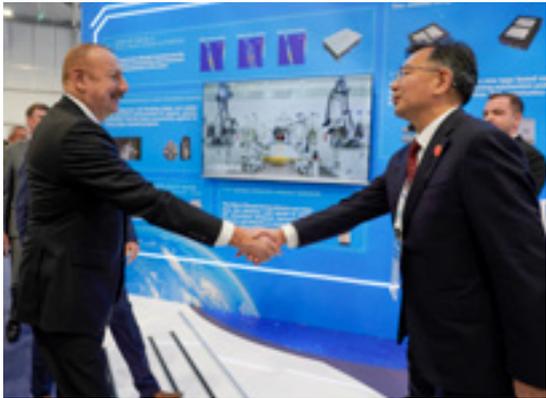


The Exhibition Opening

... officially opened!

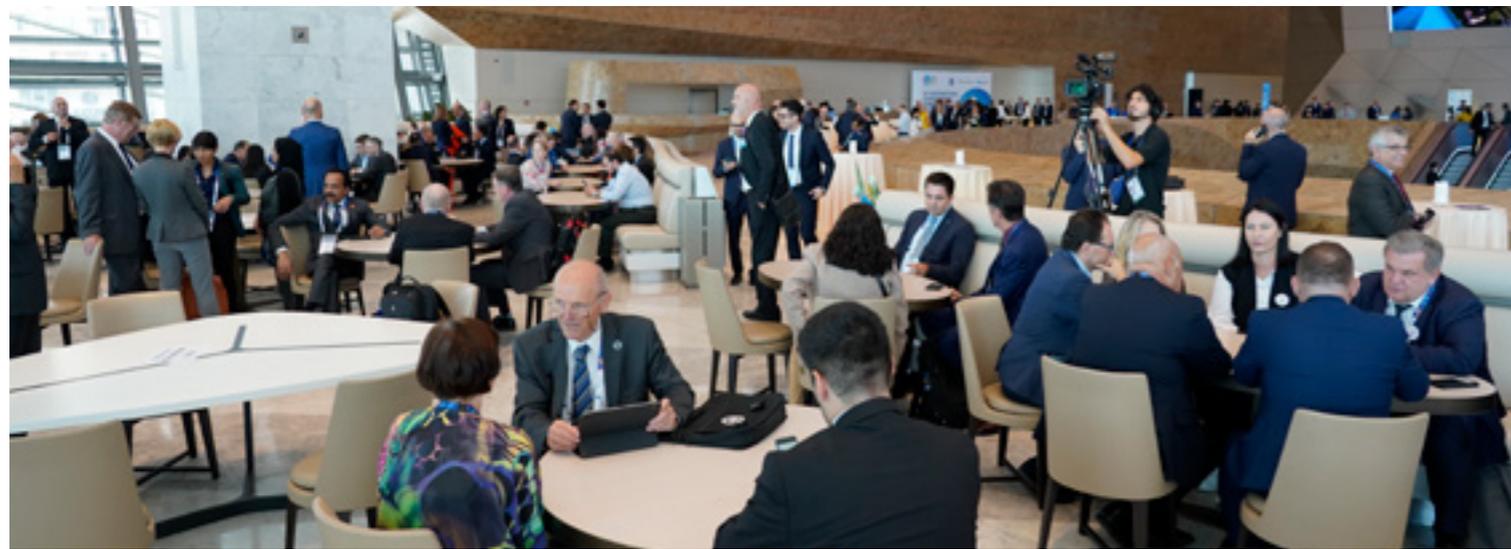


VIP Exhibition Tour



IAF General Assembly

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"International cooperation will be paramount in shaping our collective journey into space"

Teodoro VALENTE
President, Italian Space Agency (ASI)





"Technologically it is that much easier, timewise much quicker and much cheaper, when we shared the costs"

Serdar Hüseyin YILDIRIM

Chairman of the Board and President, Turkish Space Agency (TUA)



IAF Global Networking Forum



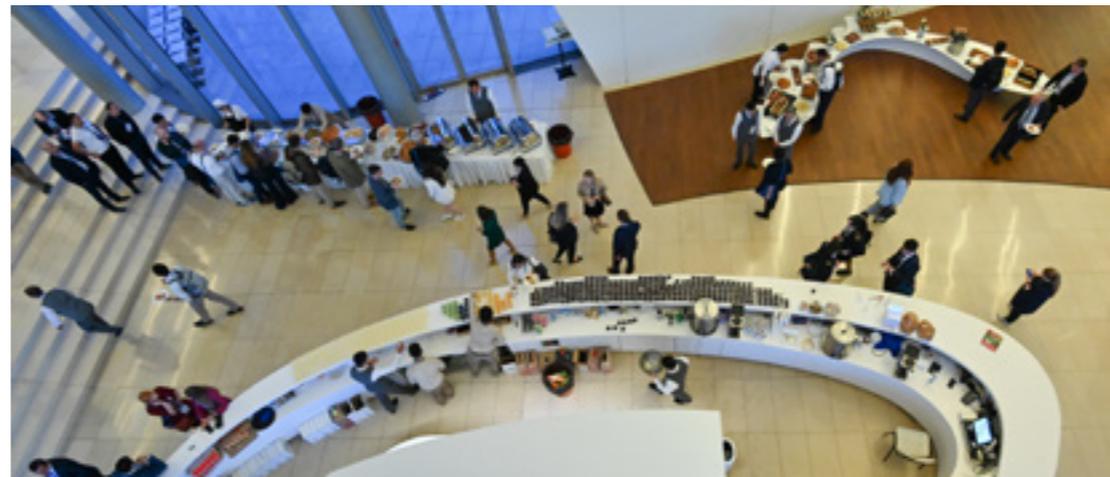
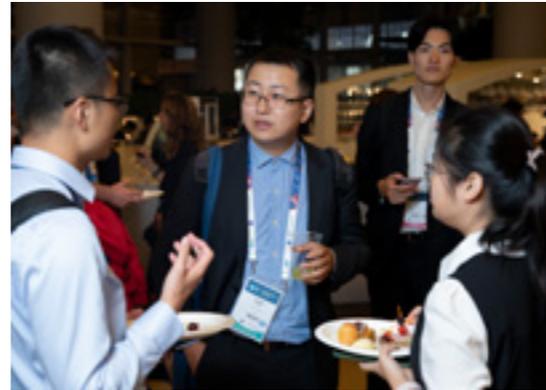
MONDAY



Special Sessions

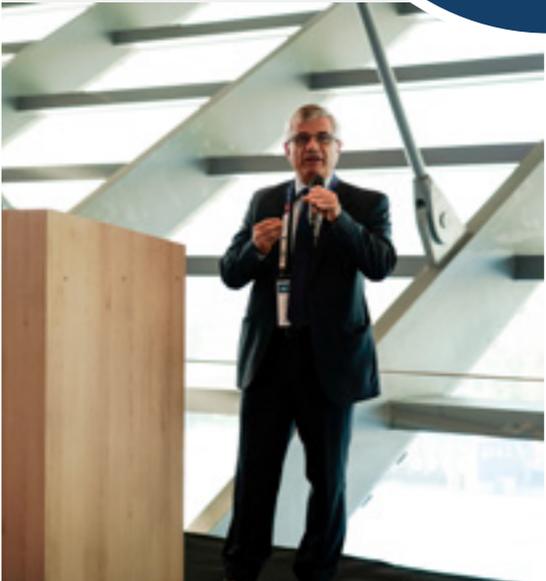


Welcome Reception



TUESDAY

Industry Day





"Taking gravity out of the equation, you can fundamentally change the way physics behaves in space"

Christian MAENDER

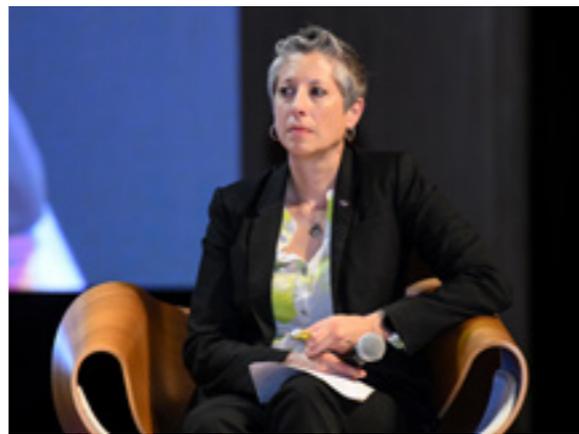
Executive Vice President of In-space Solutions, Axiom Space

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The recipients of this year's IAF Excellence in Industry Awards are Northrop Grumman in the large industry category, and Astroscale in the SME category.



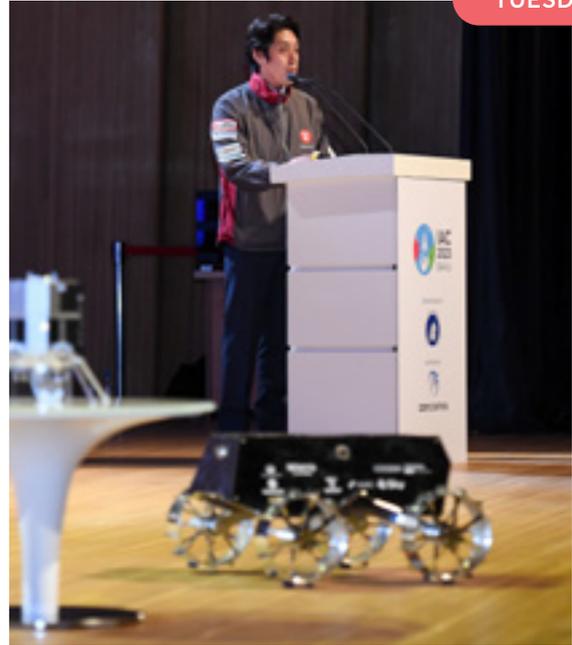


"Having the human element has been very important for science"

Sharmila BHATTACHARYA

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





"I believe the continuity our team is gathering from all over the world, literally, is now bringing us to the next stage, the sustainable stage of the lunar exploration"

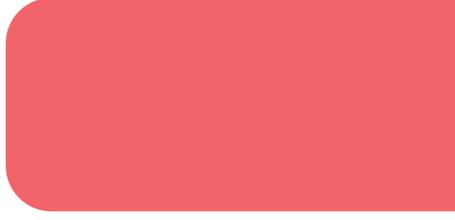
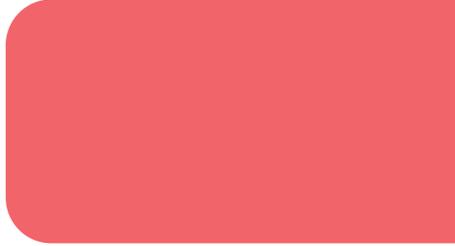
Takeshi HAKAMADA
Founder and CEO, ispace



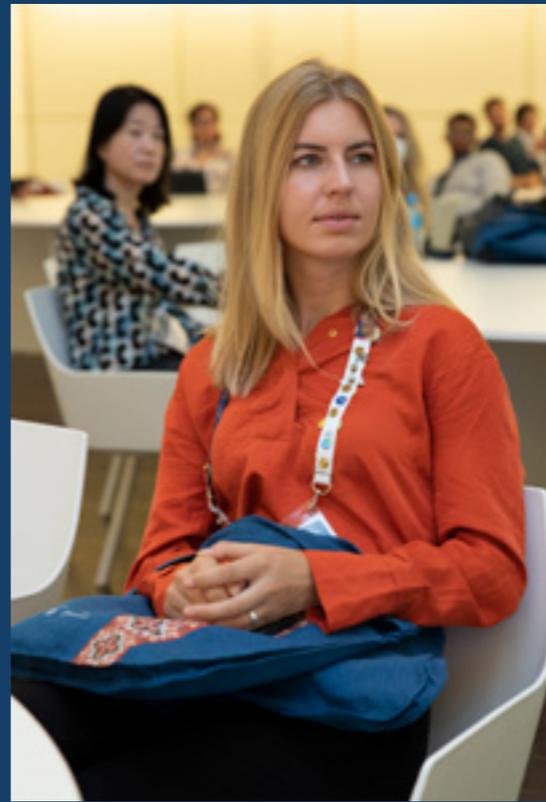
IAF Global Networking Forum



TUESDAY



Special Sessions



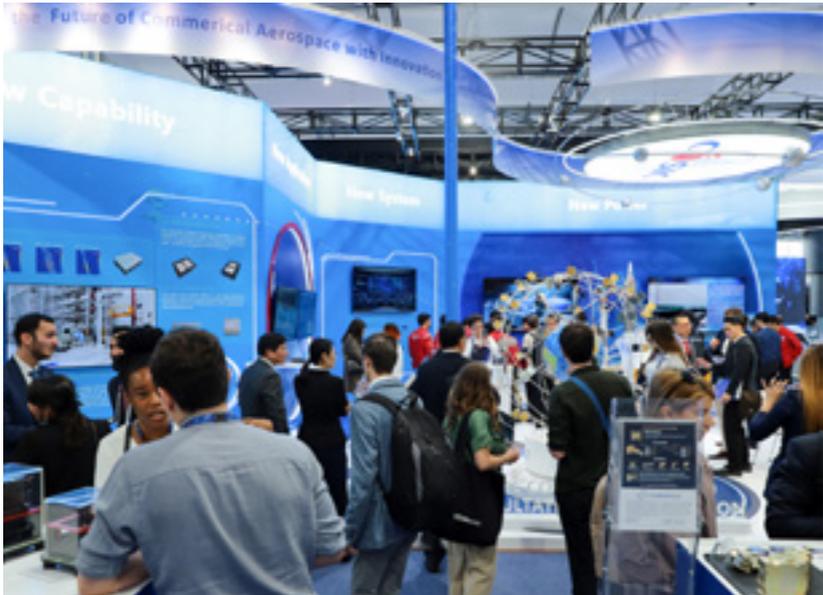
Technical Sessions



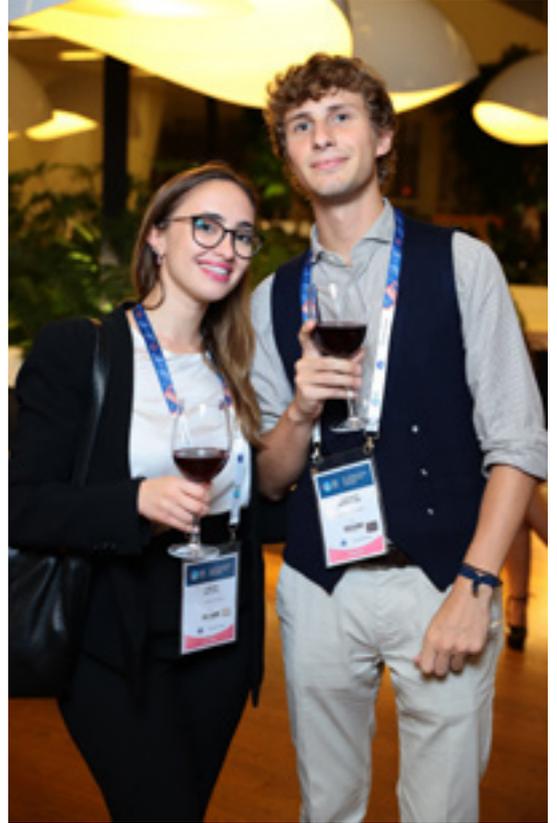
...allows the Starship-derived Human Landing System (HLS) to land at various locations on the Moon. The first human flight of Mars and return occurs in the 2030s with the first crewed Mars mission. Space is a critical domain for national security activities, but for the most part, all current space weapons are ground-based.

- For All Mankind – China has continued its human spaceflight plans as described earlier. The United States has established a presence on the Moon as described by “Moon to Mars.” The United States will establish a presence on the Moon as described by “Moon to Mars.” The United States will establish a presence on the Moon as described by “Moon to Mars.”

Exhibition



IAC 2024 Reception



WEDNESDAY

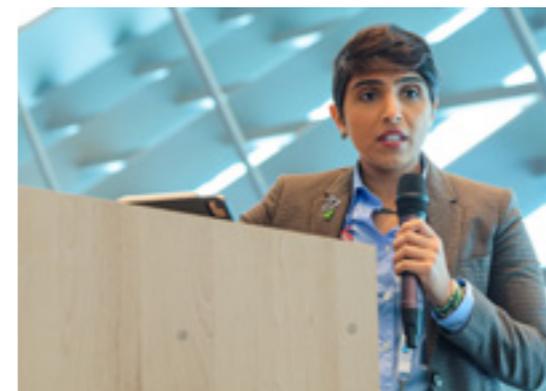
Diversity Day



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WEDNESDAY





"We talk a lot about space data. And space data is not what these rescue relief teams and authorities need. They need actionable information"

Remco TIMMERMANS
Content Marketer, SpaceSide

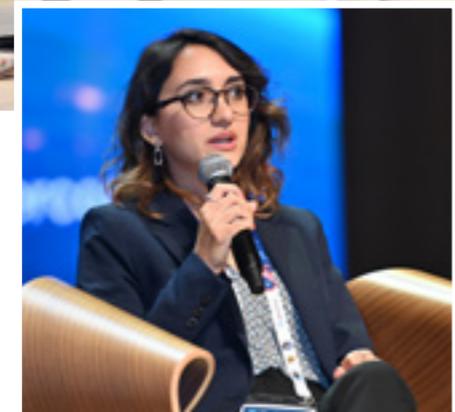
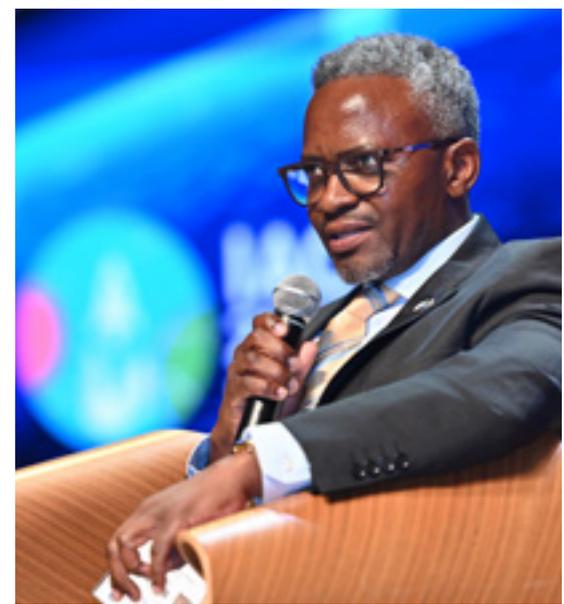
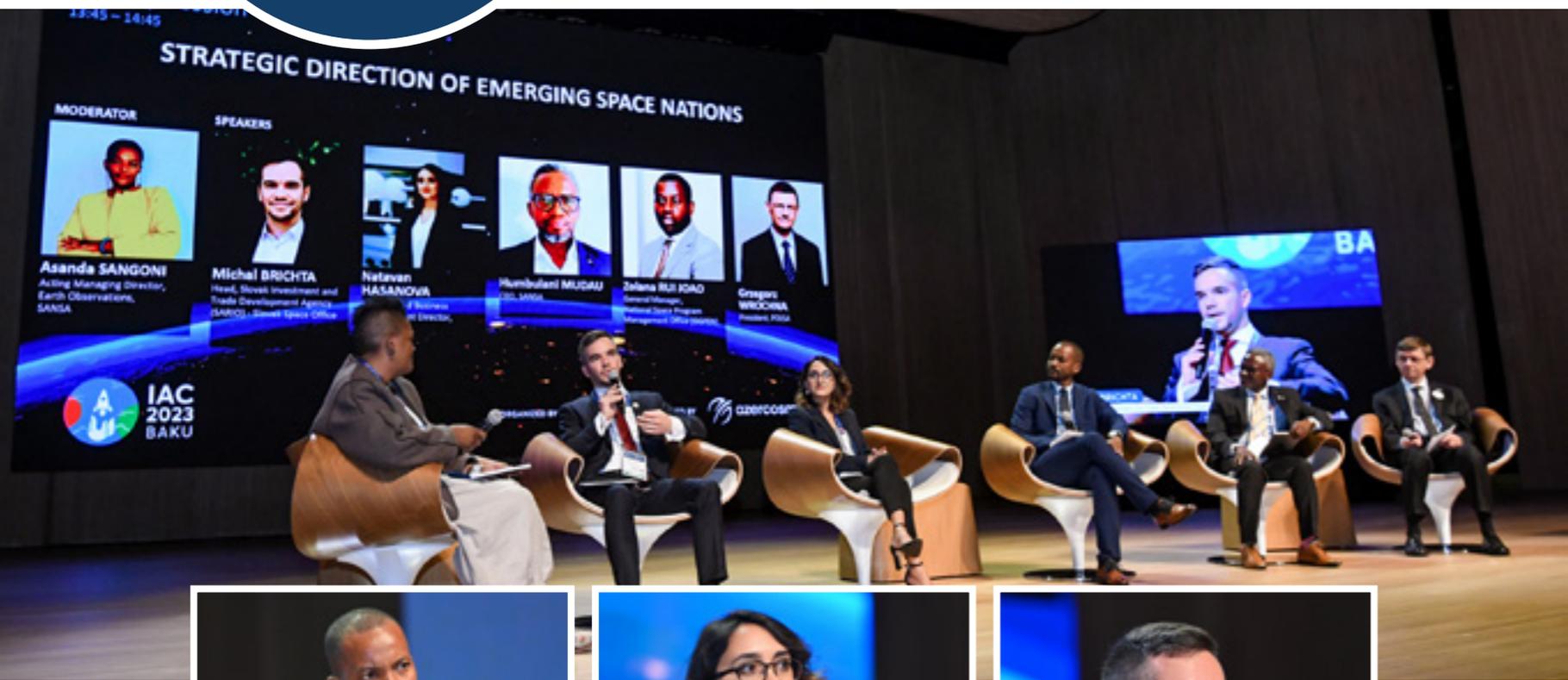






"Space creates value and has long term benefits for all humankind"

Natavan HASANOVA
Strategy and Business Development Director, Azercosmos



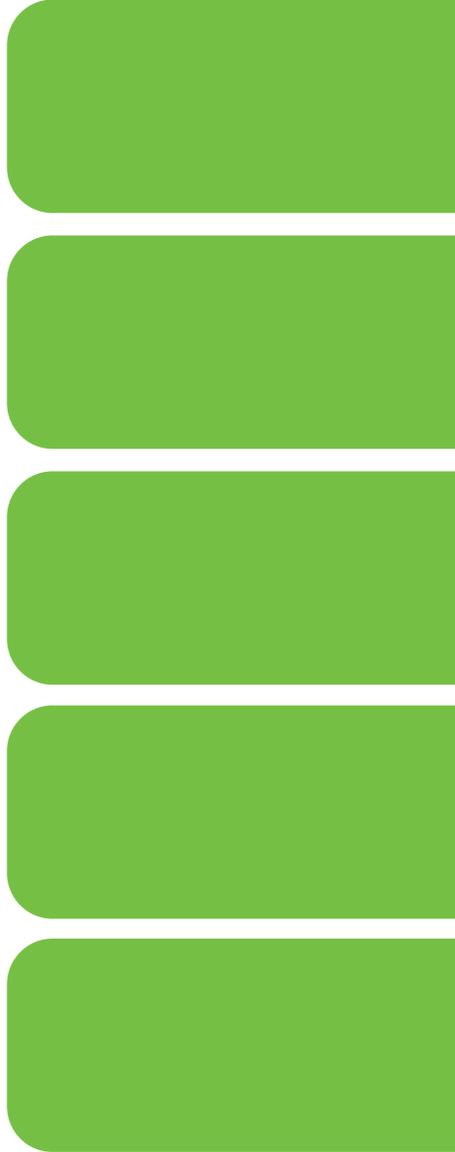
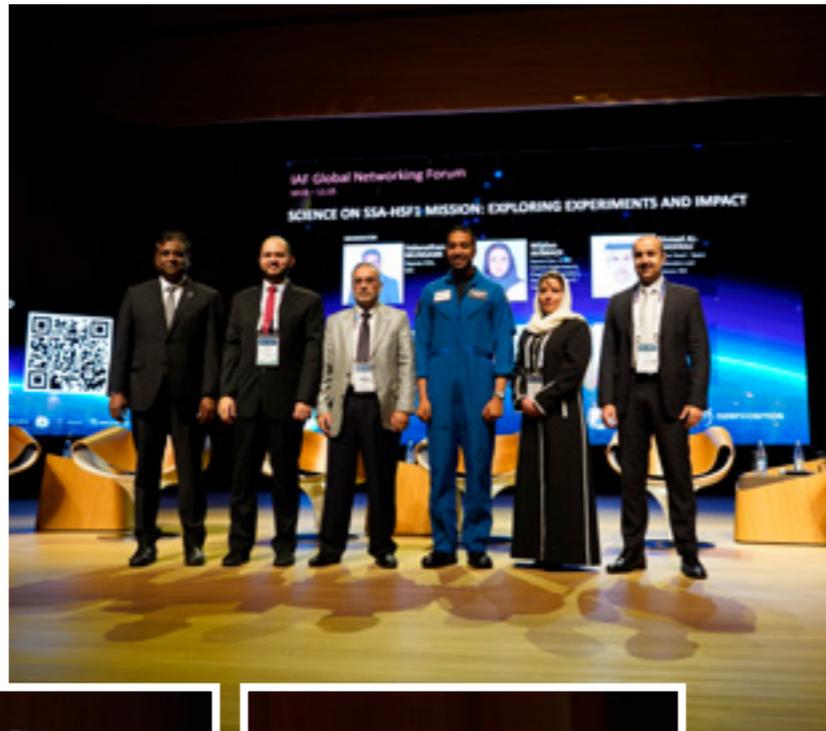


"We brought together space and non-space communities in an unconventional conference to answer difficult questions on making an impact"

James GRAF
Director of Earth Science and Technology, National Aeronautics and Space Administration (NASA)



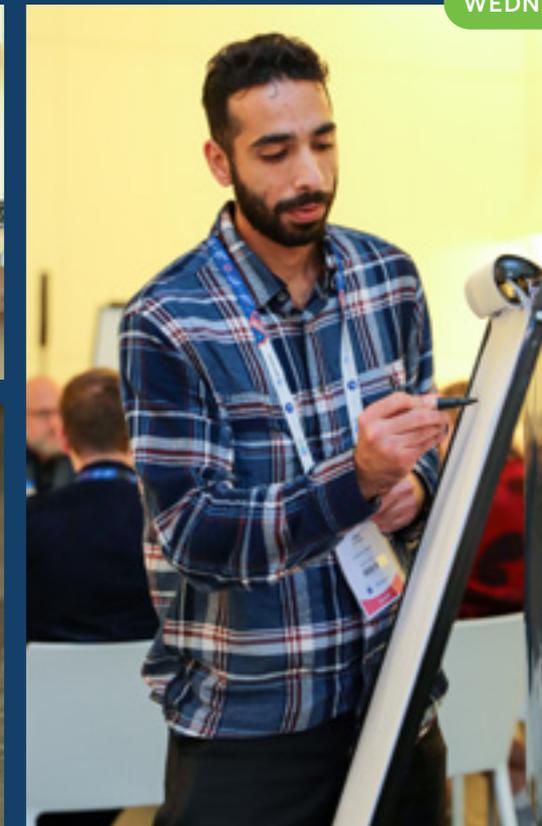
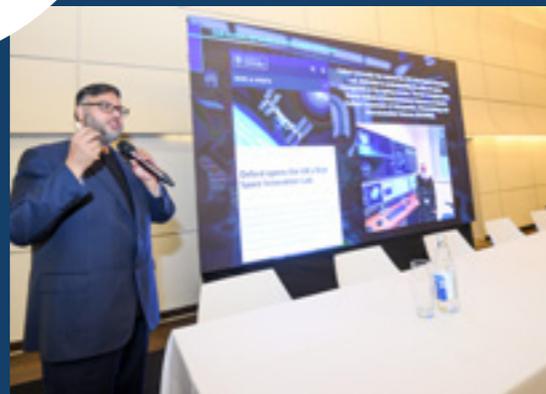
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Special Sessions

SpS

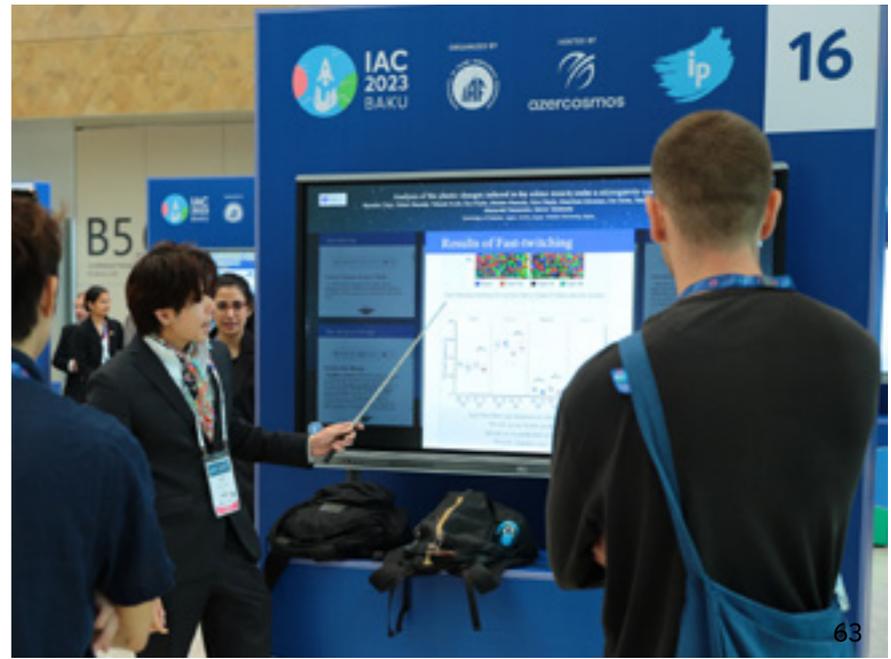
WEDNESDAY



Technical Sessions



Interactive Presentations



THURSDAY

Science and Academic Day





"We're now able to distribute the mission risk across an entire fleet of tumbleweeds and entire swarm. It's really as simple as not putting all of your eggs in one basket"

Oné MIKULSKYTÉ

Science and organization lead, Team Tumbleweed



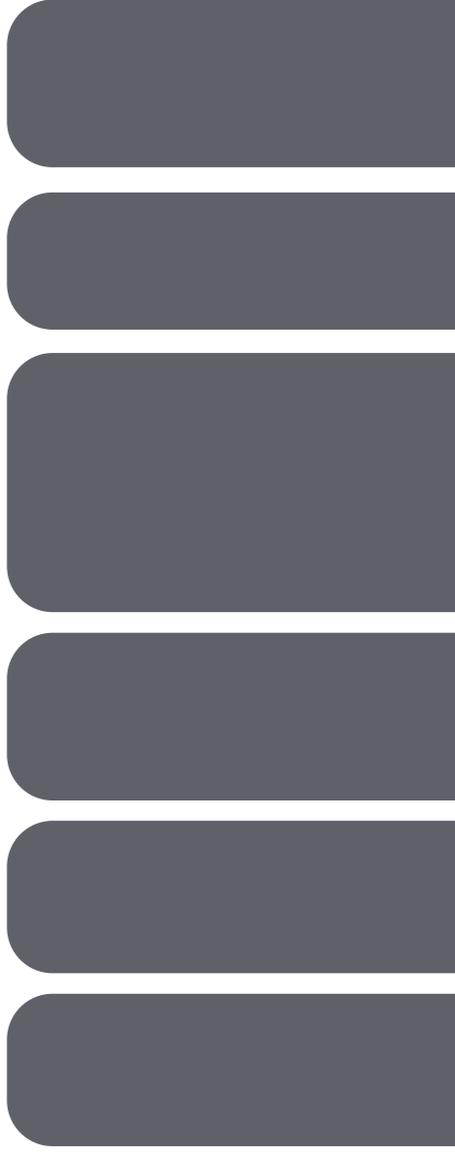




"When you step into the Starship fairing payload volume, it looks like a cathedral"

Elon MUSK
CEO and Founder, SpaceX

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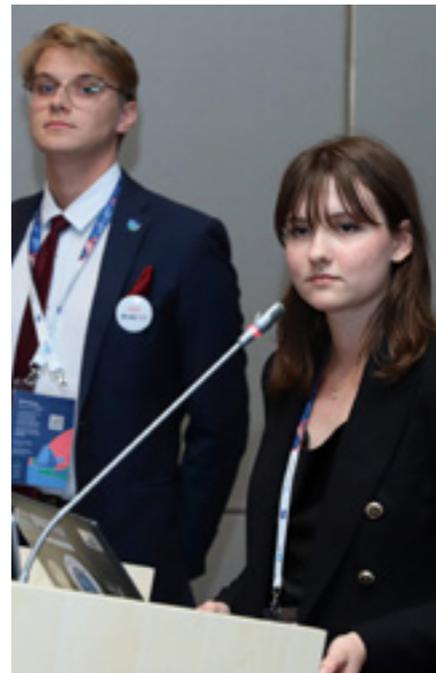
Special Sessions



Technical Sessions



THURSDAY



Interactive Presentations

AWARD CEREMONY AND INTERACTIVE PRESENTATIONS SESSION



IAF ESL/YSL
Breakfast

FRIDAY

Public Day





Astronauts Autograph Session

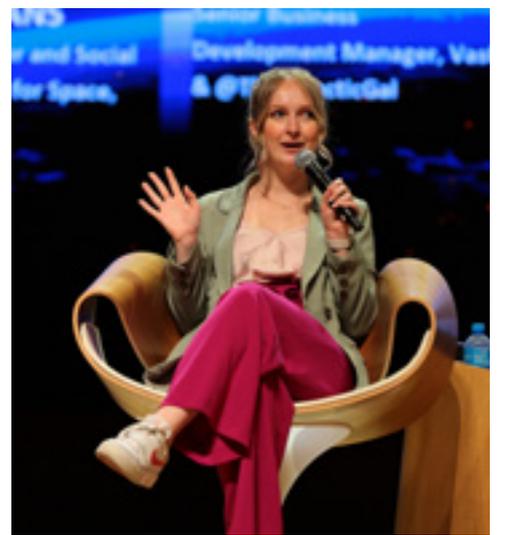
THE INTERNATIONAL ASTRONAUTS CHAPTER



IAF Global Networking Forum



FRIDAY



Special Sessions



Navigating Export Control Compliance in Commercial Space Endeavors

Respectiva

- Striking a Precise Balance: Advancing Economic Growth While Safeguarding National Security
- An overview of Export Control Laws:
 - The Treaty on the Non-Proliferation of Nuclear Weapons (NPT); the Chemical Weapons Convention (CWC); the Biological Weapons Convention (BWC); the Arms Trade Treaty (ATT)
 - International regimes: The Wassenaar Arrangement; the MTCR.
 - Dual-use products and technologies: Identifying dual-use products and technologies. Investigating potential legal, financial and reputational risks.

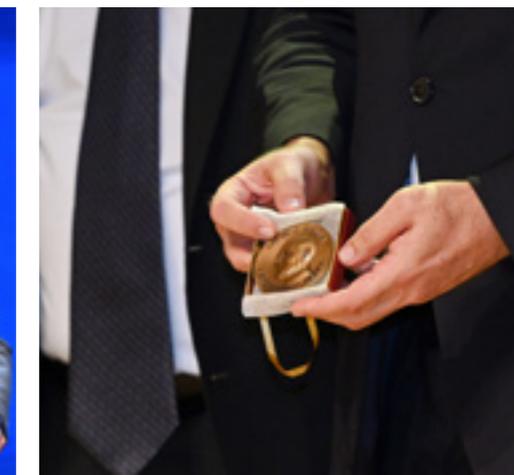
Public Day

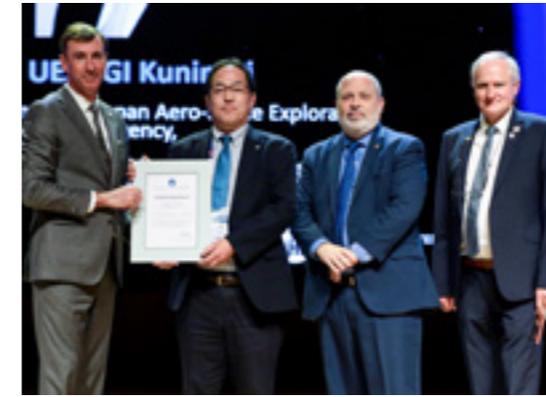




Four new Vice-Presidents have been elected to the IAF Bureau:

- **Michal BRICHTA**, Slovak Space Office, has been appointed as IAF VP for **Global Membership Development and Financial Matters**
- **Daming LI**, China Academy of Space Technology (CAST), has been appointed as IAF VP for **Societies and Museums**
- **Geraldine NAJA**, European Space Agency (ESA), has been appointed as IAF VP for **Industry Relations and Space Economy**
- **Asanda SANGONI**, South African National Space Agency (SANSA), has been appointed as IAF VP for **Honours and Awards**





Gala Dinner

FRIDAY







Thank you
and see you
in Milan!

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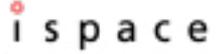
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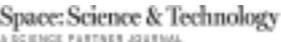
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Connecting @ll Space People
for a sustainable future 

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