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gov.uk/ukspaceagency
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The UK Space Agency inspires and leads the UK in space to benefit our planet and its people.

IAC is back to Baku 50 years later under the theme

Global Challenges and Opportunities: Give Space a Chance

Join us next year for an extraordinary celebration of space in a unique ambiance of hospitality, cultural diversity and acclaimed space legacy!
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IAF Alliance Programme Partners 2022

- BLUE ORIGIN
- ESA
- LOCKHEED MARTIN
- ASI
- AEB
- HE SPACE

For more info:
www.gloc2023.org

GLOC 2023 will address various topics of interest in relation to space and climate change with a specific focus on:

- Climate change impacts on the environment
- Applications and services driven by climate change
- Impacts of a changing climate on policy and law
- Commercial opportunities created by a changing climate
- Present and future international collaboration on space missions related to climate change
- Social, communications, economic and cultural dimensions of environmental change

Join us for the GLOC 2023 RECEPTION!
IAC 2022, Monday 19 September 17:00 - 17:45
Norwegian Pavillion (Booth D10)
1 Welcome Messages

1.1 Message from the International Astronautical Federation (IAF)

Esteemed colleagues,

Never have there been more space missions in the planning, or commercial companies and emerging and developing space nations engaged in space ventures than today. The International Astronautical Congresses provides the main platform for global space actors to meet, share and connect.

The 73rd International Astronautical Congress, IAC 2022, is taking place in the beautiful city of Paris, France and it is hosted by the Centre National d’Études Spatiales (CNES), a member of IAF since 1981. Paris will host the IAC for the fourth time after 1950, 1963 and 1982. With the theme Space for @ll, the IAC 2022 will be reaching beyond the space community and bring together many communities that can benefit from space applications and offer them opportunities for networking and forging new contacts and potential partnerships.

IAF and CNES have been working intensively to make this IAC 2022 the place-to-be for many space and non-space communities to gather and reflect on the rapidly increasing global space economy; and to connect the global space community with flourishing start-ups, entrepreneurs, research organizations and manufacturers from all sectors to exchange ideas and showcase their own achievements.

I am particularly delighted to invite you to this unique event where the space community can interchange views and share experiences. Thank you for your commitment and active participation.

Enjoy the your IAC 2022!

Pascale EHRENFREUND

President,
International Astronautical Federation (IAF)

1.2 Message from the Chair of the Local Organizing Committee (LOC)

CNES is delighted to welcome you to the 73rd International Astronautical Congress in the beautiful city of Paris. Paris hosted the very first IAC in 1950, then again in 1963 and 1982, and now will hold the record for the city with most IACs hosted.

While hosting this IAC 2022, CNES is pleased to be celebrating the 60th anniversary of its inception. IAC is indeed a catalyst affording great opportunities across the space community, as it provides unique momentum to spotlight space activities, boosts synergies and forges ties with an increasingly diverse panel of international partners. CNES is also glad to announce that the IAC 2022 exhibition is already a record-breaking one, with around 8,000 sq.m for exhibitors from all over the world.

With the theme of Space for @ll, CNES wants to make this IAC an outstanding opportunity to bring together the burgeoning global ecosystem of agencies, big companies, start-ups, entrepreneurs, laboratories and research scientists likely to get involved in space activities or benefit from them. Special attention is also being paid to students and young professionals who will be closely associated through dedicated events.

On Wednesday 21 September, CNES is hosting a public open day for families. Besides the exhibition and sponsors’ large-scale mock-ups on display, visitors will be able to attend events with astronauts, planetary exploration specialists, experts in Earth observation and applications serving citizens, and even authors of space-inspired fiction.

France is one of the world’s most visited countries; its capital offers a wealth of culture, history and heritage that make any stay worthwhile. We are sure you will enjoy your time here!

Lionel SUCHET

Chair,
IAC 2022 Local Organizing Committee,
Chief Operating Officer,
Centre National d’Études Spatiales (CNES)
1.3 Message from the International Programme Committee (IPC) Co-Chairs

Dear Colleagues and Friends,

On behalf of the International Programme Committee, we are very pleased to welcome all of you to the 73rd International Astronautical Congress (IAC) hosted for the 4th time in the beautiful city of Paris, France. The year 2022 will be a significant symbol for France as it is both the year of the celebrations of the 60th anniversary of CNES and the year it hosts the International Astronautical Congress (IAC), the largest specialized gathering in the space sector worldwide. Space has become an essential asset for society. Major topics such as the evolution of access to orbit, the build-up of large constellations and associated sustainability issues, the need to monitor Earth and climate change from space, and the amazing roadmap of human and robotic exploration missions for the next decade have inspired a very exciting panel of contributions to the conference.

The International Programme Committee has selected an outstanding array of material from a record collection of more than 4,800 abstract proposals. In addition, Plenary Events, Highlighted Lectures, Late Breaking News, Special Sessions and Interactive Presentations, will offer the most exciting points of view on recent research breakthroughs, technical advances, cooperation opportunities and emerging space technologies, and the IAF Global Networking Forum will provide even more opportunities to hear from some of the most qualified colleagues of the Space community.

In addition to the more than 5,000 leading figures in the international space industry from 70 countries, the Paris IAC 2022 encourages participation from users and partners from other sectors not belonging to the space community, according to the motto “Space for All”. Upon this, we intend to highlight the countless domains such as agriculture, fisheries, land planning, mobility, healthcare, tourism, construction and public works, for which space offers new solutions. Participating in the IAC 2022 will also enrich the youth’s knowledge in space science and technology. It will act as an accelerator for STEM education and will be a source of enormous pride and inspiration for the ambitious younger generations.

We firmly believe that your participation in IAC 2022 in Paris represents a tremendous opportunity to experience the evolutionary role of international partnerships in exploration, research, and development.

By working hand-in-hand, we will come up with a common vision which could reveal novel pathways for the established and emerging space nations in 2023 when the upcoming IAC is held in Baku, Azerbaijan. Returning to the same city – Baku – after a half century later, IAC 2023 will define an ambitious agenda for all to take part in the global space initiatives and activities sustainably.

Welcome to Paris and enjoy the IAC 2022!

Pierre BOUSQUET
IPC Co-Chair,
Senior Expert Planetology,
Centre National d’Etudes Spatiales (CNES),
France

Dursay BADIRKHANOV
IPC Co-Chair,
Vice-Chairman,
Azercosmos Space Agency of the Republic of Azerbaijan,
Azerbaijan

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 433 members from 72 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 All 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: www.iafastro.org
E: info@iafastro.org

Connecting All Space People

Be part of the conversation @iafastro
3 Host

3.1 Centre National d’Études Spatiales (CNES)

For the last 60 years, CNES has played a pivotal role in the French, European and international space arena. CNES’s mission is to foster new initiatives, nurture innovation and employ its technical expertise to further the design, development and operation of orbital systems. It is also instrumental in maintaining France and Europe’s sovereignty in access to space and strategic data. With its four centres of excellence in Paris, Toulouse and French Guiana, CNES is working to extend France's scientific influence, promote its industry and more broadly encourage uptake of space applications.

Centre National d’Études Spatiales

2 place Maurice Quentin
75039 Paris Cedex 01, France

T:+33 1 44 76 75 00
W: www.cnes.fr

The Local Organizing Committee

- Lionel SUCHET  
  IAC 2022 Chair
  CNES

- Myriam COURNET  
  IAC 2022 Project manager
  CNES

- Christine GOUHOT  
  IAC 2022 Project and communication support
  CNES

- Philippe COLLOT  
  IAC 2022 Communication head
  CNES

- Céline CALLEYA  
  IAC 2022 Project support
  CNES

- Pierre BOUSQUET  
  IAC 2022 IPC Co-chair
  CNES

- Lionel BAIZE  
  IAC 2022 Project advisor
  CNES

- Jean-Paul BERTHIAS  
  IAC 2022 Advisor
  CNES
4 Partner Organizations

4.1 The International Academy of Astronautics (IAA)

The International Academy of Astronautics is a community of leading experts committed to expanding the frontiers of space, the newest realm of human activity. To foster the development of astronautics, the Academy undertakes a number of activities, including the recognition of outstanding contributors through elections and awards. It also facilitates professional communication, develops and promotes new ideas and initiatives, engages the public and fosters a sense of community among the members.

The IAA is a unique independent non-governmental organization established in 1960 and recognized by the United Nations in 1996. It is an honorary society with an action agenda. With about 1,200 elected members and corresponding members from 91 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 and publications.

The IAA has published more than 70 studies to date and is engaged in the preparation of about 40 others. The Academy also publishes four book series and its journal Acta Astronautica ranked 1st in the space area in the world and containing each year about 350 refereed papers. The Academy organizes about 25 conferences and regional meetings per year focused on the development and promotion of all space activities and covering all continents including space developing countries.

In addition, the Academy activity also includes, in cooperation with the International Astronautical Federation and the International Institute of Space Law, the traditional contribution to the International Astronautical Congress (IAC), where the Academy organizes 13 symposia. The Academy also continues to enjoy its participation in the COSPAR Assemblies and the International Society for Photogrammetry and Remote Sensing (ISPRS) congress. Although the IAA has many connections to these and other similar organizations, it is distinctive as the only International Academy of elected members in the broad area of astronautics and space.

IAA Academy Day will be held at the IAA Headquarters, 6 rue Galilee, Paris.

International Academy of Astronautics (IAA)

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

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

T: +33 1 47 33 82 15
E: general@iaamail.org
W: https://iaaspace.org/
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 forty 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 Moort 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, Asia, 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 Moort 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

IISL Board of Directors 2022 – 2023

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Guoyu Wang (China)
4.3 The Space Generation Advisory Council (SGAC)

The Space Generation Advisory Council in Support of the United Nations Programme on Space Applications is a global non-governmental, non-profit (US 501(c)(3)) organization and network which aims to represent university students and young space professionals aged 18-35 to the United Nations, space agencies, industry, and academia. Headquartered in Vienna, Austria, the SGAC network of members, volunteers, and alumni has grown to more than 21,000 members representing more than 165 countries.

SGAC was conceived at UNISPACE III in 1999, as part of the Vienna Declaration, “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 in advancing humanity through peaceful uses of space.” SGAC holds Permanent Observer status at the United Nations Committee on the Peaceful Uses of Outer Space (UN COPUOS) and regularly takes part in the annual meeting, as well as its Legal and Scientific and Technical Subcommittees. SGAC holds consultative status at the United Nations Economic and Social Council (UN ECOSOC), contributing to discussions on the role of space in achieving the UN Sustainable Development Goals.

As a volunteer-run organization, SGAC believes in empowering its members and providing them with opportunities for professional development through roles in the SGAC teams.

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

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SGAC Board of Directors:

**SGAC CHAIRS**

<table>
<thead>
<tr>
<th>Name</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hamza HAMEED</td>
<td>Pakistan</td>
</tr>
<tr>
<td>Anthony YUEN</td>
<td>Australia</td>
</tr>
</tbody>
</table>

**SGAC EX-OFFICIO**

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Davide PETRILLO</td>
<td>Italy</td>
</tr>
<tr>
<td>Valentina LUCHETTI</td>
<td>Italy</td>
</tr>
</tbody>
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**DIRECTORS**

- Ahmed Baraka, Regional Coordinator Middle East
- Rawan AlShammari, Regional Coordinator Middle East
- Tensae Alemayehu, Regional Coordinator Africa
- Rania Toukebri, Regional Coordinator Africa
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- Eleonora Lombardi, Regional Coordinator Europe
- Elizabeth Barrios, Regional Coordinator North, Central America and the Caribbean
- Angel Arcia, Regional Coordinator North, Central America and the Caribbean
- Ivi Casas Del Valle, Regional Coordinator South America
- Santiago Enriquez, Regional Coordinator South America
**5. PARIS**

**5.1 General Information A – Z**

We are pleased to welcome you to the 73rd International Astronautical Congress 2022. Here you will find some important information about the Congress.

**ACCESS TO THE PARIS CONVENTION CENTRE**

**By Public Transport:**
- Entrance Gate A2 – Porte de Versailles
- Metro: Line 12, station Portes de Versailles or Line 8, station Balard
- Tramway: Lines T2 or T3, station Portes de Versailles
- Bus: Line 39 or 80, station Portes de Versailles
- Bicycle: Vélib’ station in avenue Ernest Renan

**By Car:**
- Parking: Car Park 7: Rue Marcel Yol, 92170 Vanves

**By Plane:**
- From Roissy-Chars de Gaulle airport:
  - Take the Roissybus to Paris-Opéra, then take Metro Line 8 (direction Balard) to Madeleine, and change to Line 12 (direction Mairie d’Issy) to Porte de Versailles-Parc des Expositions station
  - Take the RER B (direction Saint-Rémy-lès-Chevreuse) to Cité Universitaire station, then take tramway T3 (direction Pont du Garigliano) to Porte de Versailles-Parc des Expositions stop.
- From Orly airport:
  - Take the Orlyval train to Antony, then the RER B to Cité Universitaire, change to the tramway T3 and get off at the Porte de Versailles-Parc des expositions stop
  - Take the Orlybus to Denfert-Rochereau, then the RER B to Cité Universitaire, change to the tramway T3 and get off at the Porte de Versailles-Parc des expositions stop.

**Carpooling:**
A great way to fight pollution is by using carpooling. Please register with the following link: [Link]

**ACCESSIBILITY**
The Paris Convention Centre is fully accessible for persons with disabilities. The entire IAC 2022 onsite staff is trained to support delegates with handicaps and/or reduced mobility. Do not hesitate to ask them should you require any specific assistance. More information can be found under [www.iac2022.org/accessibility/](http://www.iac2022.org/accessibility/)

**ACCOMMODATION**
Please visit the hotel counter in the registration area if you wish to book a hotel room or if you have any problem with your hotel reservation.

**BABYSITTING**
Need a babysitter while you are at IAC 2022? Barnett Consulting offers babysitting services so that your children can be kept outside the congress in complete safety. Send your request by e-mail to concierge@barnettconsulting.fr.

**BANKING FACILITIES**
The currency in Paris is Euros. A cash machine is situated on level 7.1 of the Paris Convention Centre.

**CATERING AREA**
Delegates can use one of the several facilities at the Paris Convention Centre.
Within the Exhibition Area, Hall 7.2:
- Delegates coffee during exhibition opening time
- Four restaurants to purchase meals, sandwiches, and desserts as well as beverages.
Within the entrance hall:
- Restaurant Bistrot de Paris
Water fountains are available throughout the Congress Centre, and a water bottle is offered to each delegate in the congress bag.

**CLOAKROOM**
The Cloakroom is located on Registration level 7.1 of the Paris Convention Centre.
There is no charge.
The Cloakroom will be open during the following hours:
- 16 September: 7:00-20:00
- 17 September: 7:00-21:30
- 18 September: 7:00-22:00
- 19 September: 7:00-21:30
- 20 September: 7:00-21:30
- 21 September: 7:00-19:30
- 22 September: 7:00-18:00

**CONGRESS BAG**
The Congress Bag, containing the Congress material, can be obtained at the Congress Material Counter close to the Registration Counter.

**CONGRESS PROGRAMMES**
As part of the CSR approach of IAC 2022, there will be no printed copies of the IAC 2022 Final Programmes. The programmes are available online on the IAF Website.


**CONGRESS COURTESY AND CODE OF CONDUCT**
The IAF expects its staff, members, volunteers, and event participants to be guided by the highest standard of ethics, to communicate professionally and constructively, whether in person or virtually, handling dissent or disagreement with courtesy, dignity, and an open mind; being respectful when providing feedback, and being open to alternate points of view.

Amongst unacceptable behaviors at any IAF activity or event are:
- Abuse: threats, intimidation, bullying, stalking, or other types of abuse.
- Discriminatory harassment: includes offensive verbal or written comments and negative behavior, sustained disruption of talks or other events, either in real or virtual space.
- Sexual harassment: sexual harassment may involve any conduct of a verbal, nonverbal, or physical nature, including written and electronic communications.

[iaf-code-of-ethics–professional-conduct.pdf](https://iafastro.org)

**The currency in Paris is Euros.**
CSR POLICY
CNES, the 73rd International Astronautical Congress host, vows to produce the first sustainable IAC! As the Professional Congress Organizer chosen by CNES, K.I.T. Group France shares this commitment and has integrated sustainable practices at all levels of the construction and organization of the event.

The certification process has been initiated according to the ISO 20121: 2012 “responsible event” standard. ISO 20121 offers guidance and best practice to help manage the event and control its social, economic, and environmental impact.

In addition to ISO 20121, IAC 2022 has decided to go even further and calculate its Carbon Footprint: the total amount of greenhouse gases (including carbon dioxide and methane) generated by our actions in all departments of the event: from registration, accommodation, transport, materials, to food, energy, and waste.

Objective 1: Eco-designing its communication with the various stakeholders. It means that we:
- Raise awareness of the CSR approach among our stakeholders.
- Reduce the ecological footprint of the congress communication through responsible communication practices (for example, the congress programs will not be printed but will be available in digital format).

Objective 2: Positive social impact: making the congress accessible and welcoming to all
- Make the event accessible to all (within the venue with adapted care).
- Commitment to parity and diversity with, for example, the wearing of gender-neutral clothing by reception staff.
- Develop the experience of others by having solidarity partners intervene during the Public Day.

Objective 3: Environment: control consumption and promote responsible actors
- Limiting waste production, rationalizing consumption (eliminating single-use plastic, energy management).
- Use eco-responsible suppliers via a responsible purchasing policy.
- Carry out the carbon footprint of the event.

Objective 4: Health, safety, and collaboration: putting the health, safety, and satisfaction of conference participants at the center of our concerns
- Ensure a safe environment for all participants (implementation of a safety policy specific to the event).
- To ensure the good health of the participants by including a medical service during the event.
- Fully satisfying the stakeholders through an optimized quality of service and the evaluation of their satisfaction.

Objective 5: Favor local products, take advantage of certification, and transmit innovation outside of space
- Use local suppliers to generate positive local economic spin-offs.
- Certify the congress ISO 20121, an international standard, to make it a reference for sustainable development in the space industry.
- Be a platform for innovation exchange between space and non-space actors.

EMERGENCY PHONE NUMBERS
Dial 112 for all emergencies (police, fire, medical). Callers will then be placed through to the appropriate emergency service.

ENTITLEMENTS
The registration fees for the following categories: delegates, retired people, young professionals, full-time students, and teachers include:
- a congress badge,
- congress bag,
- admission to the plenary programme,
- access to all scientific and technical sessions,
- access to the exhibition hall,
- the Welcome Reception,
- and the Opening Ceremony.

EXHIBITION AREA
Congress participants are invited to visit the Exhibition Area located in Hall 7.2.
Opening Hours:
18 September: 9:00-18:00
19 September: 9:00-18:00
20 September: 9:00-18:00
21 September: 9:00-18:00
22 September: 9:00-16:15

IAF SECRETARIAT
You find us in the IAF team in Hall 7.3 Room E01A!

IAF MEMBERS LOUNGE
The IAF Members Lounge is located in the Exhibition Area (Hall 7.2) and is accessible for all IAF Members.

INFORMATION POINTS
Located on levels 7.2 and 7.3 of the Paris Convention Centre. Hosts and hostesses will be present for any information:
16 September: 13:00-18:00
17 September: 8:00-18:00
18 September: 7:00-18:00
19 September: 8:00-17:00
20 September: 8:00-17:00
21 September: 8:00-17:00
22 September: 8:00-13:00

INSURANCE AND LIABILITY
The International Astronautical Federation (IAF) and the Centre National d’Etudes Spatiales (CNES) 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 on Hall 7.3, east side of the building. 50 touchscreens will be at your disposal for consultation during the whole event.
IAC 2022 will hold an Interactive Presentation Award Ceremony on Wednesday 21 September 2022, with awards for the top five presentations. IAC 2022 will also hold two IP sessions, one 1-hour session on Monday 19 September 2022 and 1.5-hour session on Wednesday 21 September 2022 which will follow the Interactive Presentation Award Ceremony.

The main goal of the IP sessions is to create a lively interaction between presenters and interested congress delegates, do not hesitate to join and participate!

LANGUAGE
The official Congress language is English.

LOST AND FOUND
Lost items can be collected at the cloakroom during the Congress. Any objects found during the Congress and not claimed will remain at the Congress Venue.
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
The IAC 2022 Public Day takes place on Wednesday 21 September from 9:00-18:00. Visitors can visit the Exhibition and take part in sessions taking place in Room Paris. More information can be found on the IAC 2022 website. [https://iac2022.org/public-day/](https://iac2022.org/public-day/)

REGISTRATION OPENING TIMES
The registration counters are open during the following times:
- 16 September: 13:00-18:00
- 17 September: 8:00 - 18:00
- 18 September: 7:00-18:00
- 19 September: 8:00-17:00
- 20 September: 8:00-17:00
- 21 September: 8:00-17:00
- 22 September: 8:00-13:00

SMOKING POLICY
It is forbidden to smoke in any part of the Paris Convention Centre.

SOCIAL MEDIA
Stay up to date with the latest developments at the IAC and the latest news from IAC. Visit us on [https://www.facebook.com/IACParis2022](https://www.facebook.com/IACParis2022)
Find us on "LinkedIn Logo" [https://www.linkedin.com/company/iac2022](https://www.linkedin.com/company/iac2022)
Follow us on "Twitter Logo" [https://twitter.com/IACParis2022](https://twitter.com/IACParis2022)
#IAC2022

SPACE FOR @LL LOUNGE
Delegates are invited to relax in the Space for @ll Lounge located within the Exhibition Area, Hall 7.2.
This lounge illustrates the commitment to sustainable development and declines "Space for @ll" the slogan of the Congress. Delegates can there read about the IAC 2022 CSR commitment (ISO 20121, carbon footprint) and the actions in favor of sustainable development (limitation of printing, elimination of single-use plastic, local suppliers). Best practices with all types of actors are shared and solidarity actors (associations) will get the opportunity to speak and to share their experience with the public.

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 back of Hall 7.3.
Opening hours:
- 17 September: 14:00-20:00
- 18 September: 8:00-18:00
- 19 September: 8:00-18:00
- 20 September: 8:00-18:00
- 21 September: 8:00-18:00
- 22 September: 8:00-18:00

SURVEY
A survey about Congress will be available online after the Congress. This survey will help us better understand your needs and wishes.

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Taxis G7: 36 07 (0,45 cts/mn + Price of a call)
Taxi Parisien: +33 1 84 60 40 54

WI-FI ACCESS
Wireless internet is available for registered delegates free of charge at the Congress Centre. Please select the network "IAC2022", enter the password "IACPARIS2022" and follow the instructions.
We are looking forward to welcoming you to Paris!
6.2 Registration

Registration hours:

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Registration fees:

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All rates are inclusive of 5% VAT

Registration Categories:

- **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.
- **Delegate Non-Members** (Standard) are full-paying Participants not members of IAF, IISL, or IAA.
- **Retired Persons** are defined as no longer employed and full-time retired, (will be requested to provide a document confirming their status).
- **Young Professionals** will have to upload an ID card or passport as a proof of the 35 years of age limitation (that has to be valid at the time of the Congress)
- **Students** will be requested to upload a valid student card (that has to be valid at the time of the Congress) and must be under 35 years old.
- **Primary and Secondary level Teachers** must provide documentation from their organization to confirm they are educators of primary or secondary level.
- **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** must submit a request for press credentials to cover IAC 2022 in Paris. All requests will be reviewed by IAF staff; and submitting a request does not guarantee credentials will be granted. Press will have to upload a valid government- or company-issued Press Card/Press Credential or provide other documentation proving their status as “Working Press” or “Media” as part of the registration process. NOTE: Although press can access Technical Sessions as observers, they are forbidden to present papers.
## FRIDAY 16 SEPTEMBER

| 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 |
|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| HALL 7.2 | 721/722 |       |       |       |       |       | IPC Steering Group - Session 1 13:00 - 14:30 |       |       |       |       |       |       |       |       |       |
| HALL 7.2 | 723/724 |       |       |       |       | IPC Finance Committee 10:00 - 12:30 |       |       |       |       |       |       |       |       |       |
| HALL 7.3 | WD6 |       |       |       |       |       | IAF/ISEB Educators Professional Development Workshop 08:30 - 17:00 |       |       |       |       |       |       |       |       |
| HALL 7.3 | EOSA |       |       |       |       |       | IAF Technical Activities Committee (TAC) 15:00 - 16:30 |       |       |       |       |       |       |       |       |
| HALL 7.4 | 741A |       |       |       |       |       |       |       | 29th UN/IAF Workshop 08:00 - 17:00 |       |       |       |       |       |       |
| HALL 7.4 | 741B + C |       |       |       |       |       |       |       | Space Generation Congress 08:00 - 18:30 |       |       |       |       |       |       |

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### Cross-Cultural Communications and Presentation Workshop
08:30 - 13:00

### IAF Bureau Meeting - Session 1
15:00 - 18:00

### IAF Space Education and Outreach Committee (SEDC) - Session 1
14:00 - 16:00

### IAF Space Propulsion Committee
16:00 - 17:30

### IAF Committee for the Cultural Utilisation of Space (ITACCUS) - Session 1
17:30 - 18:30

### IAF Workforce Development-Young Professionals Programme Committee (WD-YPP)
10:00 - 12:00

### IAF Workshop Global Workforce Development Subcommittee
13:00 - 14:00

### IAF Commercial Spaceflight Safety Committee
14:30 - 16:00

### IAF Astrodynamics Committee - Session 1
16:00 - 16:00

### IAF Space Power Committee
13:30 - 15:00

### IAF Space Astronomy Technical Committee (SATC)
15:00 - 16:30

### IAF Space Astronomy Technical Committee (SATC)
16:00 - 18:00

### IAF International Meeting for Minister & Members of Parliaments (MMoP)
08:30 - 13:00

### MMoP Press Conference
14:00 - 15:00

### YP Event
19:00 - 20:00

### YP Reception
20:00 - 21:00

### IAA Space Debris Committee
09:00 - 10:30

### IAF Space Traffic Management Committee and SpS Session
10:30 - 12:00

### YP IPMC Workshop
09:00 - 18:00

### IAC Hosts Summit
10:30 - 13:00

### GLOC 2023 - IPC Meeting
13:00 - 15:00

### IAF Earth Observations Committee
15:00 - 16:30

### IAF Subcommittee on the Global Earth Observation System of Systems (GEOSS)
16:30 - 18:00

### IAF ESL/YSL Meeting
18:00 - 19:00

### IAF Committee for the Cultural Utilisation of Space (ITACCUS) - Session 1
10:30 - 12:00

### IAF Space Transportation Committee
12:00 - 14:00

### IAF Space Exploration Committee
14:00 - 16:00

### IAF Materials and Structures Committee
16:30 - 18:00

### 29th UN/IAF Workshop
08:00 - 17:00

### UN/IAF Reception
18:30 - 20:00

### MMOp Dinner
19:00 - 22:00
## Sunday 18 September

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**Welcome Reception**
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**Welcome Reception** 19:30 - 22:00

**Technical Sessions**

- Technical Sessions C4.1  | 15:15 - 17:45
- Technical Sessions E2.1  | 15:15 - 17:45
- Technical Sessions E9.2  | 15:15 - 17:45
- Technical Sessions D4.1  | 15:15 - 17:45
- Technical Sessions E4.1  | 15:15 - 17:45
- Technical Sessions E1.1  | 15:15 - 17:45
- Technical Sessions B5.1+C20 | 15:15 - 17:45

**IAF Human Spaceflight Committee**

- 11:00 - 13:00

**IAF Space Entrepreneurship and Investment Committee (SEIC)**

- 11:00 - 12:30

**IAF Space Communications and Navigation Committee (SCAN)**

- 11:30 - 13:30

**IRSL Moot Court Semi-finals**

- 15:15 - 17:45

**IAF Human Spaceflight Committee**

- 11:00 - 13:00

**SGAC Boot-Camp**

- 13:00 - 14:00

**ESAs VIP Luncheon**

- 12:30 - 13:30

**Hal 7.3 Back room VIP Gathering**

- 08:30 - 09:15
## 73rd International Astronautical Congress (IAC 2022)

### 18 - 22 September 2022, Paris, France

#### Monday, 19 September

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<th>Hall</th>
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<tr>
<td>HALL 7.2.</td>
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<td>07:00 - 22:00</td>
<td>IAF Space Economy Committee 14:00 - 15:30</td>
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## Welcome Message

**International Astronautical Congress**

18 - 22 September 2022, Paris, France

### MONDAY 19 SEPTEMBER

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**Technical Sessions**

- Technical Sessions D4.2 | 10:15 - 12:45
- Technical Sessions E1.2 | 10:15 - 12:45
- Technical Sessions B2.1 | 10:15 - 12:45
- Technical Sessions E6.4 | 10:15 - 12:45
- Technical Sessions D4.3 | 15:00 - 17:30
- Technical Sessions E1.3 | 15:00 - 17:30
- Technical Sessions B2.2 | 15:00 - 17:30
- Technical Sessions E6.3 | 15:00 - 17:30

**IAF Committees**

- IAF Committee on Space Security 09:30 - 12:00
- IAF Committee on Small Satellite Missions 13:00 - 14:00
- IAF Space Life Sciences Committee 14:00 - 15:00
- IAF Space Universities Administrative Committee (SUAC) 17:30 - 19:00

**IP Sessions**

- IP Session 12:45 - 13:30

**Space Climate Observatory**

- Meeting 10:00 - 12:00

**Industry**

- Industry Breakfast 08:00 - 08:45
- Industry Luncheon 12:30 - 13:30

**SGAC**

- Advisory Board 14:00 - 16:00
- Board of Directors 16:00 - 18:00
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<th>Time</th>
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<th>IAF GNF Sessions 10:15 - 11:40</th>
<th>IAF Industry Relations Committee (IRC) 13:30 - 15:30</th>
<th>IAF Committee for Liaison with International Organisations and Developing Nations (CLODON) 15:30 - 17:30</th>
<th>IAF Honours and Awards Committee 13:30 - 15:00</th>
<th>IAF EIC - CSIF New Space Business Plan Competition (NSBPC) 15:00 - 17:00</th>
<th>YP Event 19:00 - 20:00</th>
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## TUESDAY 20 SEPTEMBER

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| HALL 7.3. | E048      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|       | E068      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| HALL 7.3. | E08B      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|       | 731 /732  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|       | 733 /734  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|       | E04A      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|       | E05A      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|       | E07A      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|       | IP Screens|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| HALL 7.4. | Terminal 7   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|       | Maison des Océans|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

### Technical Sessions
- E04B: Technical Sessions E3.3 (10:15 - 12:45)
- E06B: Technical Sessions D3.1 (10:15 - 12:45)
- E08B: Technical Sessions E3.4 (15:00 - 17:30)
- 731 /732: Technical Sessions B2.3 (15:00 - 17:30)
- 733 /734: Technical Sessions E8.2 (15:00 - 17:30)
- E04A: IAF Committee on Planetary Defense and Near-Earth Objects (NEOs) (10:30 - 11:30)
- E05A: IAA SETI Permanent Committee Meeting (10:00 - 11:00)
- E07A: IAA SETI Permanent Committee Meeting (14:00 - 15:00)
- E06A: IAA Study Group 3.26 (11:30 - 13:00)
- E06A: IAA Study Group 3.30 (13:00 - 14:30)
- E06A: IAA Study Group 3.27 (14:30 - 16:00)
- E06A: IP Session 12:45 - 13:30
- E06A: IDEA Luncheon 12:30 - 13:30
- E06A: Press Conference Sustainability as the Game Changer (15:00 - 16:30)
- E06A: IFL Moot Court (14:00 - 18:00)
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### Special Sessions
- Technical Sessions A3.4A | 10:15 - 12:45
- Technical Sessions A8.3.5 | 10:15 - 12:45
- Technical Sessions A9.3.5 | 10:15 - 12:45
- Technical Sessions B4.6 | 10:15 - 12:45
- Technical Sessions B3.6/3.5 | 10:15 - 12:45
- Technical Sessions A6.5 | 10:15 - 12:45
- Technical Sessions C1.6 | 10:15 - 12:45
- Technical Sessions D2.6 | 10:15 - 12:45
- Technical Sessions D3.5 | 10:15 - 12:45
- Technical Sessions E1.5 | 10:15 - 12:45
- Technical Sessions D1.4A | 10:15 - 12:45
- Technical Sessions A2.4 | 10:15 - 12:45
- Technical Sessions A1.5 | 10:15 - 12:45
- Technical Sessions C2.6 | 10:15 - 12:45
- Technical Sessions C3.3 | 10:15 - 12:45
- Technical Sessions C4.7 | 10:15 - 12:45
- Technical Sessions C8.4B/C4.5A | 10:15 - 12:45
- Global Technical Sessions C3.3 | 10:15 - 12:45
- Technical Sessions C3.3 | 10:15 - 12:45
- Technical Sessions C4.7 | 10:15 - 12:45

### IAF Meetings
- IAF Bureau Meeting - Session 2 | 10:15 - 12:30
- IAF Space Education and Outreach Committee (SEOC) - Session 2 | 08:00 - 09:30
- IISL Board of Directors | 13:00 - 17:00
- IPC Steering Group - Session 2 | 10:00 - 12:30
- HHL 3 | 17:45 - 18:45

### Special Events
- James Webb Media Event | 16:00 - 17:45
### Wednesday 21 September

#### Hall 7.3.

**Time** | **Events**
--- | ---
07:00 | Technical Sessions B5.3 | 10:15 - 12:45
08:00 | Technical Sessions A7.1 | 10:15 - 12:45
09:00 | Technical Sessions D4.4 | 10:15 - 12:45
10:00 | Technical Sessions B6.1 | 15:00 - 17:30
11:00 | Technical Sessions E3.6 | 15:00 - 17:30
12:00 | Technical Sessions B2.5 | 15:00 - 17:30
13:00 | Technical Sessions E4.2 | 15:00 - 17:30
14:00 | Technical Sessions B2.6 | 15:00 - 17:30
15:00 | Technical Sessions E6.1 | 15:00 - 17:30
16:00 | Inter-Agency Space Debris Coordination Committee Meeting 09:00 - 11:00
17:00 | IAF Space Habits Committee 10:30 - 12:00
18:00 | IAF Space Museums and Science Centres Committee 14:30 - 16:00
19:00 | IAF Space Societies Committee (SSC) 16:00 - 17:30
20:00 | IAF Enterprise Risk Management Committee (ERMC) 14:00 - 15:30
21:00 | IAF Knowledge Management for Space Organisations (KMTG) 14:00 - 15:00
22:00 | IAF Astrodynamics Committee - Session 2 16:30 - 18:00

#### Hall 7.4.

**Time** | **Events**
--- | ---
07:00 | IAA History Committee 12:00 - 14:00
08:00 | IP Screens Interactive Presentation Session 13:30 - 14:45
09:00 | Science and Academic Luncheon 12:30 - 13:30
10:00 | IAA Study Group Meeting 4.26 16:00 - 17:30
11:00 | IAF Enterprise Risk Management Committee (ERMC) 14:00 - 15:30
12:00 | IAF Knowledge Management for Space Organisations (KMTG) 14:00 - 15:00
13:00 | IAF Space Habits Committee 10:30 - 12:00
14:00 | IAF Space Museums and Science Centres Committee 14:30 - 16:00
15:00 | IAF Space Societies Committee (SSC) 16:00 - 17:30
16:00 | IAF Enterprise Risk Management Committee (ERMC) 14:00 - 15:30
17:00 | IAF Knowledge Management for Space Organisations (KMTG) 14:00 - 15:00
18:00 | IAF Astrodynamics Committee - Session 2 16:30 - 18:00
19:00 | IAA History Committee 12:00 - 14:00
20:00 | IAF Enterprise Risk Management Committee (ERMC) 14:00 - 15:30
21:00 | IAF Knowledge Management for Space Organisations (KMTG) 14:00 - 15:00
22:00 | IAF Astrodynamics Committee - Session 2 16:30 - 18:00
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#### Special Sessions

- **09:00 - 10:00**
  - IAF GNF Session 11:20 - 12:55
  - IAF General Assembly 10:15 - 12:30
  - IAF Bureau Meeting - Session 3 14:00 - 15:00
  - IAF GTF Stream 12:30 - 13:30

- **13:45 - 14:45**
  - IAF GNF Session 13:45 - 14:45

- **13:45 - 16:15**
  - Closing Ceremony 16:30 - 17:30
## THURSDAY 22 SEPTEMBER

| 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 |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Terminal 7 | | | | | | | | | | | | | | | |
| Musée des Arts Forains | | | | | | | | | | | | | | | |

**Technical Sessions**
- D3.2B | 10:15 - 12:45
- D3.3 | 13:45 - 16:15
- E1.9 | 13:45 - 16:15
- A7.3 | 13:45 - 16:15

**SGAC Executive Committee**
- 14:00 - 16:00

**IAF Committee on Developing Countries and Emerging Communities (ACDCEC)**
- 12:30 - 14:00

**IAF Latin American & Caribbean Subcommittee (IAC)**
- 14:00 - 15:30

**WSI/S Astronauts Lunch Break**
- 12:30 - 13:30

**Gala Dinner**
- 19:00 - 22:00
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