**ORGANIZED BY:** 

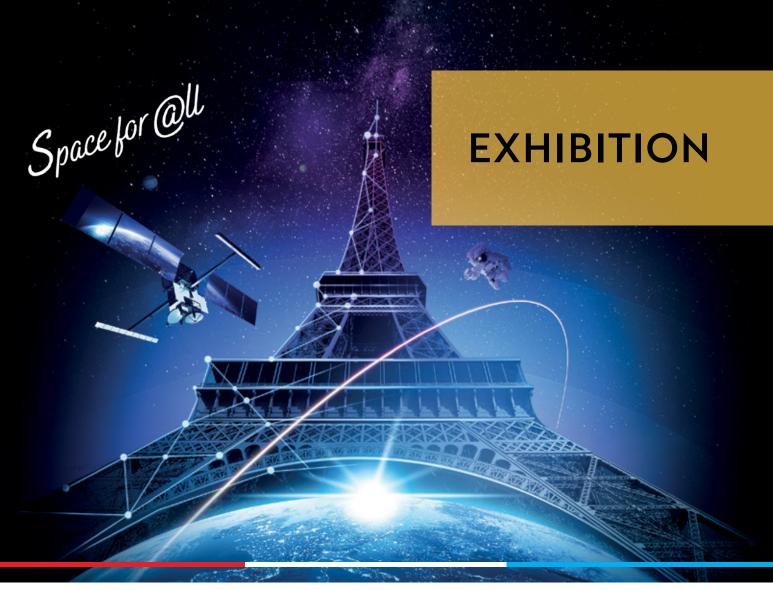
**HOSTED BY:** 







# 73rd INTERNATIONAL ASTRONAUTICAL CONGRESS 18 - 22 SEPTEMBER 2022, PARIS, FRANCE



SUPPORTED BY:



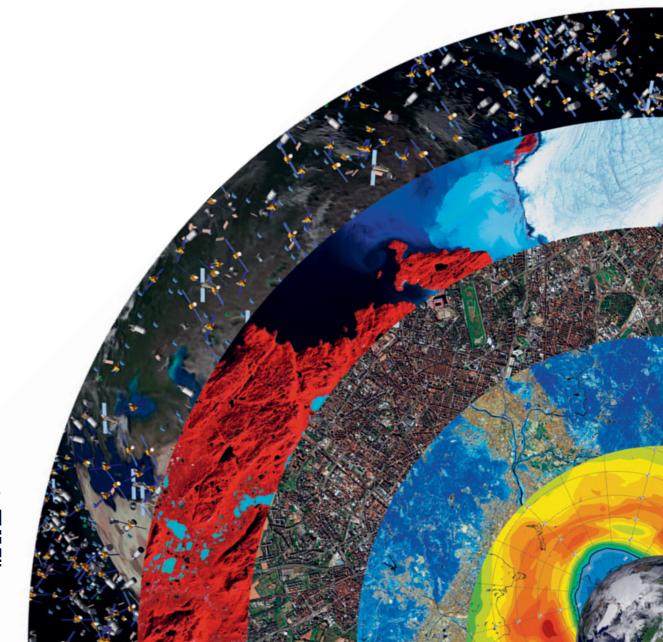








# SUSTAINABLE SPACE FOR A SUSTAINABLE EARTH











Fire and Ice - Planetary Extremes in a Changing Climate

## 23 - 25 MAY 2023 | OSLO, NORWAY



- 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) For more info:









## **CONTENTS**

1.

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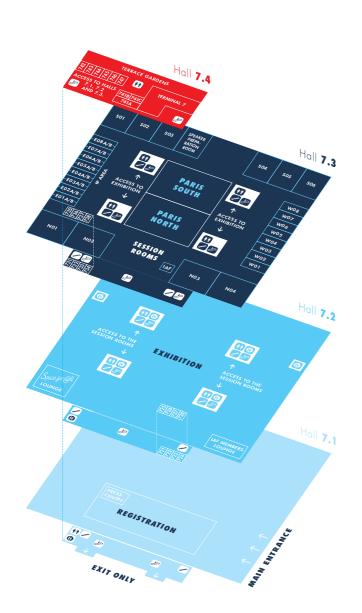
# 73 rd INTERNATIONAL ASTRONAUTICAL CONGRESS 18 - 22 SEPTEMBER 2022, Paris, France













## **1.1 Exhibition Times**

EVENT DATE:	EXHIBITOR ACCESS	SHOW TIMINGS
Sunday 18 September 2022	08:30 – 18:30	09:00 – 18:00
Monday 19 September 2022	08:30 – 18:30	09:00 – 18:00
Tuesday 20 September 2022	08:30 – 18:30	09:00 – 18:00
Wednesday 21 September 2022	08:30 – 18:30	09:00 – 18:00
Thursday 22 September 2022	08:30 - 18:30	09:00 – 16:15





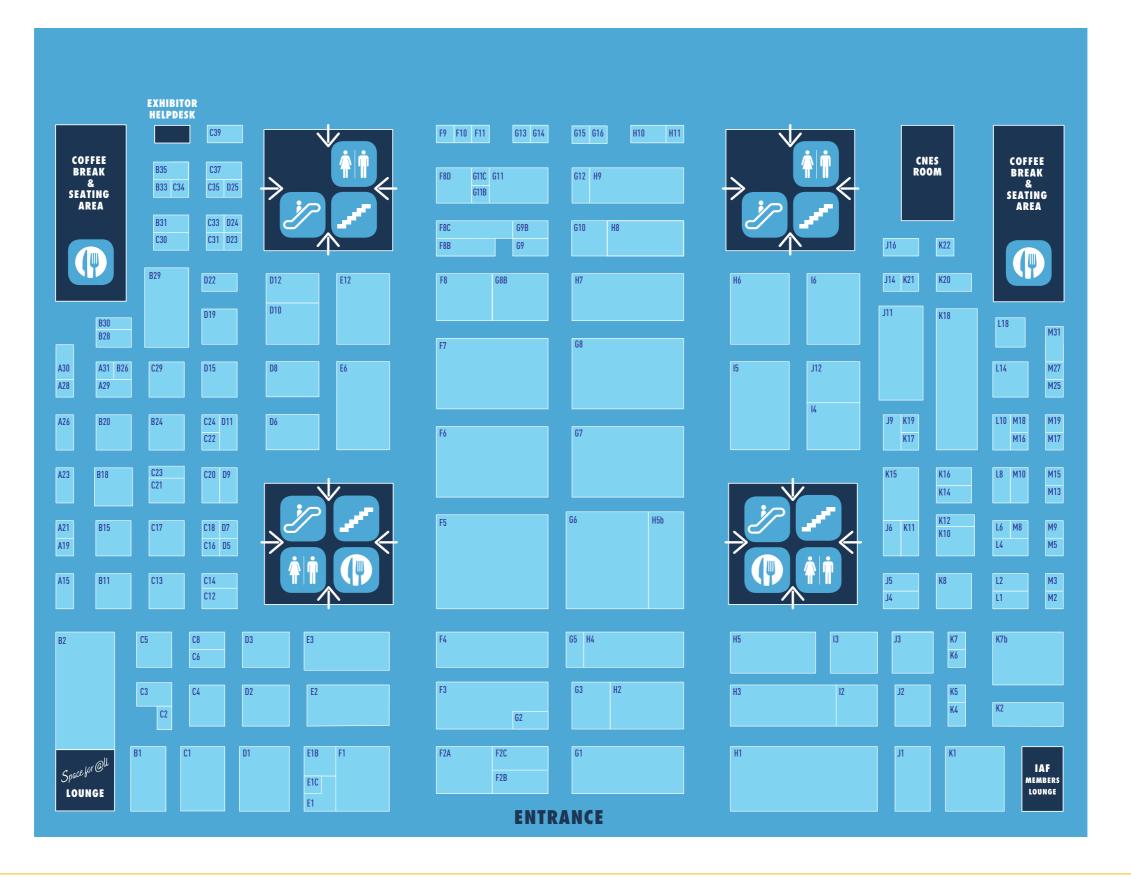
TIME

FLOOR PLAN

TSI

ALPHABETICAL

## 1.2 Exhibition Floor Plan









## 1.3 Exhibitors List By Booth Number

Exhibitor	Booth	Exhibitor	Booth
International Astronautical Federation (IAF)	Hall 7.3	Agencia Espacial Portuguesa - Portugal Space	C29; D15
Slovak Space Office	A15	Mynaric	C3
IAC MILAN 2024	A21	SEE Lab (Space Economy Evolution	C30
United Nations Office for Outer Space Affairs (UNOOSA)	A26	Laboratory) - SDA Bocconi School of Management	
Skyroot Aerospace	A29	KP Labs	C31
Metavisionaries	A30	LeoLabs	C33
Independence-X Aerospace	A31	UNIVERSEH	C34
Space Applications Services NV/SA	B1	Precious Payload	C35
Ministry of Economic Development	B18	Romanian Space Agency	C37
International Space Education Board (ISEB)	B2	China Great Wall Industry Corporation (CGWIC)	C39
SENER AEROESPACIAL	B20	Finland	C5
Neuraspace	B24	Swedish National Space Agency	C6; C4
Cubecom	B26	Swedish Space Corporation-SSC	C8
SPACEMAP INC	B28	NL-Space	D1
Polish Space Agency	B29	Norwegian Pavilion	D10
Dragonfly Aerospace	B30	Brazilian Space Agency	D12
ISAE-SUPAERO	B31	Fraunhofer AVIATION & SPACE	D19
ORBITAL OUTPOST X/SPACE ROBOTICS	B33	Telespazio	D2
WORKERS		Sabelt Spa	D22
UK Industry Booth	B35	GISTDA	D23
PIEMONTE	C1	UNSEENLABS	D24
HEAD Aerospace Group	C12	LATVIA	D25
TURKISH SPACE AGENCY	C13;17; B11;15	Space Exchange Switzerland	D3
GLENAIR	C14	SWISS SPACE OFFICE (SSO)	D3
Tensor Tech CO., LTD.	C16	Syrlinks	D5
3D PLUS	C18	German Pavilion	D6; D8; E6; E12
QSTC CANADA INC	C2	Perihelion	D7
NanoAvionics	C20	Astos Solutions	D9
AAC Clyde Space	C21	Rolls Royce	E1
PLUG IN	C22	Surrey Satellite Technology Ltd	E1B
Amphinicy Technologies	C23	Space Park Leicester	E1C
EnduroSat	C24	SPAIN SPACE	E2

Belgium Space	E3	INDIAN SPACE RESEARCH ORGANISATION	G8
SAFRAN AERO BOOSTERS	E3	EXOTRAIL	G9
UK Pavilion	F1	Ansys	G9B
SAFRAN	F2	LOCKHEED MARTIN CORPORATION	H1
Space T Co., Ltd.	F10	m+p international	H10
Space Wa-mama	F11	ALTEN	H11
AddUp	F2; G3	AIRBUS	H2
Axon' Cable	F2; G3	U.A.E. Space Agency	Н3
Comat	F2; G3	Alliance NewSpace France	H4
CS GROUP	F2; G3	Azercosmos, the Space Agency of the	H5
GROUPE ADF	F2; G3	Republic of Azerbaijan Agenzia Spaziale Italiana	H5B
HEMERIA	F2; G3	Korea Aerospace Research Institue	H6
SEREME	F2; G3	Saudi Space Commission	H7; G7
SODITECH SA	F2; G3	The Boeing Company	H8
SOPHIA ENGINEERING	F2; G3	ispace, inc.	H9
SpacEarth initiative	F2; G3	Nanoracks	113
Aerospace Valley	F3	Mohammed bin Rashid Space Centre	13
THALES ALENIA SPACE	F4	Ministry of High Tech Industry of the	13
ESA - European Space Agency	F5	Republic of Armenia	14
CNES	F6; G7	Japan Aerospace Exploration Agency	15
German Aerospace Center (DLR)	F7	NewSpace Catalonia	16
OHB SE	F8	Northrop Grumman	J1
Spaceopal GmbH	F8C	Luxembourg Space Agency	J11
Open Cosmos	F8D	Australian Space Agency	J12
Teledyne Brown Engineering	G10	IngeniArs S.r.I.	J14
Wroclaw Technology Park	G10B	SAB Launch Services	J16
Singapore Pavilion	G11	GMV	J2
Women in Aerospace Europe	G11C	Israel Aerospace Industry ltd./IAI	J3
BLAST	G12	Space Flight Laboratory (SFL)	J4
ANYWAVES	G13	ArkEdge Space Inc.	J5
UNISTELLAR	G14	ThrustMe	J6
Surrey Space Centre	G16	Astroscale	19
Ariane Espace		NASA	K1
ARIANEGROUP	G1	HE Space	K10
Air Liquide Advanced Technologies	G2	LEAF SPACE	K11
ONERA	G5	Zero-G	K12
ITA - ITALIAN TRADE AGENCY	G6	SATREC INITIATIVE	K14

ALPHABETICAL ODDEED

## INTERNATIONAL ASTRONAUTICAL CONGRESS

New Zealand Space Agency	K15	CONTEC	M31
KSAT - Kongsberg Satellite Services	K16	SolvGE - H2O2 Concentrator for high	M5
International Space University (ISU)	K17	concentration	
South African National Space Agency	K18	Amazon Czech Space	
Kayhan Space	K19	Blue Origin	
AVS Added Value Industrial Engineering	K20	Chinese Society of Astronautics	
Solutions, SL OFFICINA STELLARE SPA	K21	CLS  CLS	
NucleusVR	K21		
		CVA - Community of Ariane Cities	
Buble Studios	K2; K7B	Czech Aerospace Research Centre	
INNOSPACE	K4	Dinow Inc.	
Loft Orbital	K5	Emerging Countries of the IAF	
Cailabs	К6	EREMS	
Space Data Marketplace	К7	ESSP-SAS	
Sierra Space	K8; K9	European Commission - DG DEFIS	
Canadian Space Agency	L1	Eutelsat	
Interstellar Lab	L10	Jet Propulsion Laboratory	
MDA	L14	Maxar	
MDA Lunar Zebro   TU Delft	L14 L18	MEDES - Institute for Space Medicine	
		MEDES - Institute for Space Medicine and Physiology	
Lunar Zebro   TU Delft	L18	MEDES - Institute for Space Medicine and Physiology Skyline Celestial	
Lunar Zebro   TU Delft AUBERT & DUVAL	L18 L2	MEDES - Institute for Space Medicine and Physiology	
Lunar Zebro   TU Delft AUBERT & DUVAL Launcher ENTERPRISE ESTONIA -Estonian Space	L18 L2 L6	MEDES - Institute for Space Medicine and Physiology Skyline Celestial SPACE BD Inc. Space Generation Advisory Council Space Renaissance International LUNEX	
Lunar Zebro   TU Delft AUBERT & DUVAL Launcher ENTERPRISE ESTONIA -Estonian Space Office	L18 L2 L6 L8	MEDES - Institute for Space Medicine and Physiology Skyline Celestial SPACE BD Inc. Space Generation Advisory Council Space Renaissance International LUNEX MMAARS EuroSpaceHub	
Lunar Zebro   TU Delft AUBERT & DUVAL Launcher ENTERPRISE ESTONIA -Estonian Space Office D-Orbit	L18 L2 L6 L8 M10	MEDES - Institute for Space Medicine and Physiology Skyline Celestial SPACE BD Inc. Space Generation Advisory Council Space Renaissance International LUNEX	
Lunar Zebro   TU Delft  AUBERT & DUVAL  Launcher  ENTERPRISE ESTONIA -Estonian Space Office D-Orbit  Overleaf	L18 L2 L6 L8 M10 M13	MEDES - Institute for Space Medicine and Physiology Skyline Celestial SPACE BD Inc. Space Generation Advisory Council Space Renaissance International LUNEX MMAARS EuroSpaceHub Space: Science & Technology, a Science Partner Journal SpaceBuzz: 'launching' generations	
Lunar Zebro   TU Delft  AUBERT & DUVAL  Launcher  ENTERPRISE ESTONIA -Estonian Space Office D-Orbit  Overleaf  ENPULSION GmbH	L18 L2 L6 L8 M10 M13 M15	MEDES - Institute for Space Medicine and Physiology Skyline Celestial SPACE BD Inc. Space Generation Advisory Council Space Renaissance International LUNEX MMAARS EuroSpaceHub Space: Science & Technology, a Science Partner Journal SpaceBuzz: 'launching' generations worldwide into space	
Lunar Zebro   TU Delft AUBERT & DUVAL Launcher ENTERPRISE ESTONIA -Estonian Space Office D-Orbit Overleaf ENPULSION GmbH EMXYS	L18 L2 L6 L8 M10 M13 M15 M16	MEDES - Institute for Space Medicine and Physiology Skyline Celestial SPACE BD Inc. Space Generation Advisory Council Space Renaissance International LUNEX MMAARS EuroSpaceHub Space: Science & Technology, a Science Partner Journal SpaceBuzz: 'launching' generations worldwide into space University of Nebraska College of Law	
Lunar Zebro   TU Delft AUBERT & DUVAL Launcher ENTERPRISE ESTONIA -Estonian Space Office D-Orbit Overleaf ENPULSION GmbH EMXYS SWISSto12 SA Spire Global Thunderbird School of Global	L18 L2 L6 L8 M10 M13 M15 M16 M17	MEDES - Institute for Space Medicine and Physiology Skyline Celestial SPACE BD Inc. Space Generation Advisory Council Space Renaissance International LUNEX MMAARS EuroSpaceHub Space: Science & Technology, a Science Partner Journal SpaceBuzz: 'launching' generations worldwide into space	
Lunar Zebro   TU Delft AUBERT & DUVAL Launcher ENTERPRISE ESTONIA -Estonian Space Office D-Orbit Overleaf ENPULSION GmbH EMXYS SWISSto12 SA Spire Global	L18 L2 L6 L8 M10 M13 M15 M16 M17	MEDES - Institute for Space Medicine and Physiology Skyline Celestial SPACE BD Inc. Space Generation Advisory Council Space Renaissance International LUNEX MMAARS EuroSpaceHub Space: Science & Technology, a Science Partner Journal SpaceBuzz: 'launching' generations worldwide into space University of Nebraska College of Law Way4Space Azista BST Aerospace DASSAULT AVIATION	
Lunar Zebro   TU Delft  AUBERT & DUVAL  Launcher  ENTERPRISE ESTONIA -Estonian Space Office D-Orbit  Overleaf  ENPULSION GmbH  EMXYS  SWISSto12 SA  Spire Global  Thunderbird School of Global Management - Arizona State University Institute of Experimental and Applied	L18 L2 L6 L8 M10 M13 M15 M16 M17 M18 M19	MEDES - Institute for Space Medicine and Physiology Skyline Celestial SPACE BD Inc. Space Generation Advisory Council Space Renaissance International LUNEX MMAARS EuroSpaceHub Space: Science & Technology, a Science Partner Journal SpaceBuzz: 'launching' generations worldwide into space University of Nebraska College of Law Way4Space Azista BST Aerospace	

## 1.4 Exhibitors List in Alphabetical Order

#### Booth: C18

Booth: C21

#### **3D PLUS**

**AAC Clyde Space** 



Contact: Email: agicquel@3d-plus.com Amélie Gicquel Web: https://www.3d-plus.com/

3D PLUS is a world leading supplier of advanced high density 3D microelectronic products and Die/Wafer Level stacking technology meeting the demand for high reliability, high performance and very small size of today's and tomorrow's electronics.



Contact: Email: niki.lonsdale@aac-clydespace.com Niki Lonsdale Web: https://www.aac-clyde.space/

AAC Clyde Space, a leading New Space company, specialises in small satellite technologies and services that enable businesses, governments, and educational organisations to access high-quality, timely data from space.

Email:

#### Booth: F3 Aerospace Valley



Aerospace Valley is the first world competitiveness cluster for the aerospace sector, serving three strategic industries -Aeronautics, Space and Drones – and covering the Occitanie-Pyrénées-Méditerranée and Nouvelle-Aquitaine regions

With its Ecosystems of Excellence - Embedded and Communicating Systems; Structures, Materials and Processes; Propulsion and Embedded Energy; Economy of Data and Artificial Intelligence; Solutions for the Industry of the future -Aerospace Valley drives a supportive, competitive and attractive community aimed at fostering innovation in order to serve

Ranking in the top 3 world competitiveness clusters for the performance of its cooperative R&T projects (among which 739 have already been funded), Aerospace Valley is in charge of animating a dynamic network of international reputation, composed of 830 members (industries, research labs, training centres, universities and high schools, local authorities, structures for economic development) including 592 SMEs.

#### Booth: F2; G3 AddUp



Email: manon.delarbre@addupsolutions.com Web: https://addupsolutions.com/fr/

rodriguez@aerospace-valley.com

AddUp is a joint venture created in 2016 by Fives & Michelin groups. Specialized in metal 3D printing, this french actor offer Metal Additive Manufacturing solutions to industrials thanks machines & parts production.

#### Booth: C29; D15 Agencia Espacial Portuguesa - Portugal Space



Contact: Email: hugo.costa@ptspace.pt Hugo André Costa Web: https://ptspace.pt/

The Portuguese Space Agency - Portugal Space is an organization created by the Portuguese government to implement the National Strategy for Space (Portugal Space 2030). The Agency's primary purpose is to promote and strengthen Space in Portugal, its ecosystem and its value chain for the benefit of society and the economy in the country and worldwide, acting as a business and development unit for research entities and companies. Portugal Space coordinates the Portuguese participation in several international organizations such as the European Space Agency (ESA), and advises the Portuguese government on the contributions and subscriptions made to ESA. Portugal Space also coordinates the Portuguese participation in European Southern Observatory (ESO), in the European Solar Telescope (EST) and the recent SKA Observatory as a founder member. Portugal Space is also the national representative for Portugal to the European Commission for matters related to Space, namely the European Union Space Program (Copernicus, Galileo, GOVSATCOM, SSA) and Horizon Europe and has a seat on the Board of the EUSPA (European Union Agency for the Space Programm).

#### Booth: H5B Agenzia Spaziale Italiana



Contact: Email: stefania.arena@asi.it Stefania Arena Web: www.asi.it

The Italian Space Agency (ASI), created in 1988, is a national public body having the task of preparing and implementing the Italian space policy in accordance with the Government directives set by the "Interministerial Committ".



xavier.boulpiquante@ariane.group

http://www.ariane.group



Booth: G2

Air Liquide Zina Labed

INTERNATIONAL ASTRONAUTICAL CONGRESS

Air Liquide Advanced Technologies

Email: zina.labed@airliquide.com Contact:

Web: https://advancedtech.airliquide.com/fr

A world leader in gases, technologies and services for Industry and Health, Air Liquide is a key partner in the space industry for more than 50 years. Air Liquide offers cryogenic and innovative solutions for launchers, satellites and space exploration.

Booth: H2 **AIRBUS** 

**AIRBUS** 

denise.hagg@airbus.com Fmail: Web: https://www.airbus.com/en

Airbus pioneers sustainable aerospace for a safe and united world. Airbus constantly innovates to provide efficient and technologically-advanced solutions in aerospace, defence, and connected services. Airbus is one of the world's leading space businesses.

Booth: H4 **Alliance New Space France** 

a ALLIANCE

Email: sami@spacesense.ai Contact: Web: https://www.spacesense.ai/ Sami Yacoubi

The mission of the NewSpace France Alliance is to bring together all the players in the NewSpace sector in France to promote its know-how nationally and worldwide

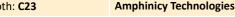
Booth: H11 Alten



Email: space@alten.com Web: https://www.alten.com/

Within 30 years, ALTEN has become leader in both outsourced Engineering and IT Services. The ALTEN Group has a workforce of more than 46 000 employees in 30 countries, 88% of whom are engineers. Its 2021 turnover was €2.925

Booth: C23





Contact: Email: mirta.medanic@amphinicy.com Web: https://www.amphinicy.com/ Mirta Medanic

Amphinicy Technologies is a provider of complex tailor-made software solutions and all-around software support for the satellite industry, with a focus on ground infrastructure. Since its beginnings more than 20 years ago, more than 100 projects have been completed for international space and humanitarian agencies, leading satellite operators, mission operation centres and satellite equipment manufacturers worldwide. The company accumulated significant expertise and used it to create their our own products:

- 1. Monica, a modern monitoring and control system that can also be used as a framework to build custom solutions on top of.
- 2. Blink, an innovative, wide-band pure-software modem that introduces unprecedented short lead times, costeffectiveness and hardware vendor independence. Its rich delivery and licensing options include cloud-native deployment, deployment to traditional ground stations, billing per minute of use, among others.

Amphinicy Technologies is a verified Independent Software Vendor (ISV) of Amazon Web Services. The company recently announced the release of a cloud-native distribution of Blink that is available on the AWS Marketplace.

Offices: Zagreb, Croatia and Luxembourg,

Booth: G9B

Ansys



Contact: Jody Lyon Email: jody.lyon@ansys.com Web: https://www.ansys.com/fr-fr/products/

missions

Ansys is the global leader in engineering simulation. Our software solutions empower the world's most innovative companies to solve the most complex design challenges and deliver radically better products. Take a leap of certainty with Ansys.

Booth: G13 **ANYWAVES** 



Email: francois.morizur@anywaves.eu Web: https://anywaves.eu/

ANYWAVES develops revolutionary antennas for the satellite constellations market.

Unique European « pure player » antenna equipment manufacturer, ANYWAVES is EN 9100 certified & aims to become the leader of antennas for satellite constellations.

Booth: G1 **ARIANEGROUP** 



ArianeGroup shapes the future of space transportation. We are the lead contractor for Europe's Ariane launchers family and responsible for the design and the entire production process, including marketing by our Arianespace subsidiary, as well as for the missiles of the French oceanic deterrent force. ArianeGroup is a joint-venture is equally owned by Airbus

Email:

Web:

and Safran.

Astroscale

**Aubert & Duval** 

Booth: J5 ArkEdge Space Inc.



Contact: Email: verspieren@arkedgespace.com Quentin Verspieren Web: https://arkedgespace.com/

ArkEdge Space Inc. is a fast-growing Japanese start-up company specialized in the design, manufacturing, and rapid delivery of low-cost nanosatellites for both low earth orbit and deep space exploration missions.

Booth: D9 Astos Solutions



Contact: Fmail: ralph.rother@astos.de Ralph Rother Web: https://www.astos.de/

With state-of-the-art hardware and software solutions we take on the New Space challenge from Germany. Simulation, analysis, optimization, testing and GNC: We offer off-the-shelf or individualized solutions. Meet us at our booth, D9 and get your solution

Booth: J9



Contact: Email: a.stoehr@astroscale.com Alyssa Kato Stoehr Web: https://astroscale.com/

Astroscale is the first private company with a vision for the safe and sustainable development of space for the benefit of future generations, and the only company solely dedicated to on-orbit servicing across all orbits.

Booth: L2



https://www.aubertduval.com/fr/ Web:

Aubert & Duval is one of the world leaders in high-performance steels, superalloys, titanium and aluminum.

We design and develop advanced metallurgical solutions: Closed-die forgings, forged parts, bars and metal powders for additive manufacturing

Booth: J12 Australian Space Agency





Email: media@space.gov.au Web: www.space.gov.au

The Australian Space Agency delivers key space programs that develop Australia's space capability, unlock international space collaboration, and inspire and build a future space workforce. The Agency is also the regulator for Australian space activities.

Booth: K20 **AVS Added Value Industrial Engineering Solutions, SL** 



Email: space@a-v-s.es Web: https://www.a-v-s.es/

AVS is a Global Small company with offices and integration facilities in USA, UK and Europe. AVS has always been fully independent and privately owned since its birth in 2006, and has delivered hundreds of critical systems and subsystems in different areas including Nuclear Fusion, Accelerators and Space. In Space, the company develops its activity in a wide spectrum of areas including Telecom, Scientific missions, Robotic Exploration and Earth Observation programs.

Booth: F2; G3 Axon' Cable



Email: sa.hermant@axon-cable.com Web: https://www.axon-cable.com

Involved in numerous space projects in orbit and beyond for over 20 years, Axon' Cable has a wealth of experience in designing connectors, cables and cable assemblies able to withstand the stresses of launch and the harsh space environment.

## 13 INTERNATIONAL ASTRONAUTICAL CONGRESS





#### Booth: H5 Azercosmos, the Space Agency of the Republic of Azerbaijan

ozercosmos 🥢

Contact: Email: nargiz.samadova@azercosmos.az Nargiz Samadova Web: https://azercosmos.az/?lang=en

The leading force behind the development of innovative space ecosystem in Azerbaijan, Azercosmos, the Space Agency of the Republic of Azerbaijan, is committed to creating a more developed, connected and secure world for future generations.

#### Booth: E3 **Belgium Space**



michel.stassart@skywin.be

Web: www.skywin.be

The Belgium Space booth gathers 28 members of the 3 regional space associations: BAG (Brussels Aeronautical Group), VRI (Vlaamse Ruimtevaart Industriëlen), and Wallonie Espace. With the support of BELSPO (Belgian Science Policy Office).

#### Booth: G12 **BLAST**



Email: blast@starburst.aero https://starburst.aero/

BLAST, for "Boost and Leverage Aerospace & defense Technologies", is a public-private consortium led by Starburst in collaboration with ONERA, SATT Paris-Saclay and Ecole Polytechnique and with the support of BPI France and several major industrial players in the Aerospace and Defense (ASD) sector such as the CNES, MBDA and the French Defence Innovation Agency.

Thanks to the pooling of its members' respective skills and ecosystems, the program's purpose is to create and consolidate a pool of mature research projects and startups able to participate in major French and European programs and with marketable products while these projects are in the pre-seed phase. https://starburst.aero/blast

#### Booth: D12 **Brazilian Space Agency**



Email: gab@aeb.gov.br

The Brazilian Space Agency released the National Program for Space Activities 2022-2031. We aim to present the planning cycle for our space sector, including access to space and projects, and cooperation opportunities for the international space community.

#### Booth: K2; K7B

#### **Buble Studios**



Email: greetings@buble.com Web: www.buble.com

Buble is a creative engine of artists, entrepreneurs, and scientists developing new intellectual properties centred around space engagement, education, and entertainment with the goal of enabling humanity's epic future through inspiration.

#### Cailabs Booth: K6



Contact: clementine@cailabs.com Clémentine Palestro Web: https://www.cailabs.com/

Cailabs is a French deep-tech company which designs and sells photonic solutions for multiple applications including aerospace. Based on our beam shaping technology, TILBA allows optical communication to become accessible and easily deployable.

#### Booth: L1 **Canadian Space Agency**



Contact: Lindsay Small

lindsay.small@asc-csa.gc.ca Web: http://www.asc-csa.gc.ca/index.html

The Canadian Space Agency promotes the peaceful use of space through exploration, observation and innovation.

L'Agence spatiale canadienne encourage l'usage pacifique de l'espace, que ce soit pour l'exploration, l'observation ou l'innovation

#### Booth: C39 China Great Wall Industry Corporation (CGWIC)



Email: jiaoyz@cgwic.com Web: http://en.chgie.com/

Established in 1980, China Great Wall Industry Corporation (CGWIC) is the sole commercial organization authorized by the Chinese government to provide commercial launch services, satellite systems and to carry out space technology

#### Booth: F6: G7 CNES



Contact: Email: philippe.collot@cnes.fr

Philippe Collot Web: www.cnes.fr

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.

#### Booth: C39



Email: n.lecomte@comat.space Web: www.comat.space

Comat is a space equipment manufacturer. We provide instruments, products and flight equipment, Comat, a space pure player, puts its existence and expertise to the service of its clients; we are a space industry leader in complex mechanisms

in Europe.

#### CONTEC Booth: M31



Contact: Email: khw961031@contec.kr Hwan Young Kim Web: https://contec.kr/

Spin-off from Korea Aerospace Research Institute, CONTEC provides total solution for satellite mission from satellite data

collection, raw image pre-processing to image data analysis.

#### Booth: F2; G3 **CS GROUP**



Fmail: armelle.chelly@csgroup.eu

Web: https://www.c-s.fr/

CS GROUP designs, develops, deploys, maintains and operates smart, safe and interconnected systems. These systems, based on innovative solutions and products, guarantee the efficiency and security of our clients' operations and critical missions with extremely exacting requirements.

#### Booth: B26 Cubecom



#### Booth: M10 **D-Orbit**



Email: renato.panesi@dorbit.space Web: https://www.dorbit.space/

D-Orbit is a market leader in the space logistics services industry with a track record of space-proven technologies and successful missions. The company delivered over 80 payloads in orbit while developing advanced services for the needs of tomorrow

#### Booth: B30 **DragonFly Aerospace**



Email: info@dragonflyaerospace.com Web: https://dragonflyaerospace.com/

Dragonfly Aerospace is producing compact high-performance imaging satellites and payloads that are designed for large imaging constellations. Dragonfly is developing data infrastructure which will provide a data fusion for industries and societies.





Booth: M16

esa

exotrail

fgarciaq@emxys.com Email: Web: www.emxys.com

Booth: C24 EnduroSat

> Email: sisinni@endurosat.com

EnduroSat provides exceptional NanoSats and space services for business, exploration, and science teams.

Booth: M15 **Enpulsion GmbH** 

> Email: office@enpulsion.com Web: www.propulsion.at

ENPULSION is the world's leading manufacturer of electric propulsion systems for nano- and microsatellites. Its products **ENPULSION** are based on the company's proprietary Field-Emission Electric Propulsion (FEEP) technology.

Booth: L8 **ENTERPRISE ESTONIA - Estonian Space Office** 

eas@eas.ee Web: https://www.eas.ee/

INTERNATIONAL ASTRONAUTICAL CONGRESS

18 - 22 SEPTEMBER 2022, Paris, France

**EMXYS** 

Booth: M25 Epsilon3

Email: david@epsilon3.io **EPSILON** 

Epsilon3 is platform for complex aerospace operations. The software platform manages complex operational procedures, while saving operators time, improving productivity, and reducing errors. If you're running complex, high-stakes operations, Epsilon3 is for you. Epsilon3 is funded by Y Combinator and other world-class investors.

Booth: F5 **European Space Agency** 

> Email: roberto.lo.verde@esa.int Web: https://www.esa.int/

The European Space Agency (ESA) is Europe's gateway to space. Its mission is to shape the development of Europe's space capability and ensure that investment in space continues to deliver benefits to the citizens of Europe and the world.

Booth: **G9 Exotrail** 

> Contact: Email: lena.carton@exotrail.com Lena Carton Web: https://exotrail.com/

Exotrail is a France-based space company which designs, develops, and operates end-to-end mobility solutions for an agile space.

Booth: C14 Booth: C5 **Finland** 

markus.ranne@businessfinland.fi Email: FINLAND Web: https://www.lataamo.fi/

> Finland is an easily accessible, highly innovative space superpower which knows how to solve problems and enhance quality of life on earth.

Booth: D19 Fraunhofer AVIATION & SPACE

Fraunhofer

Email: aerospace@int.fraunhofer.de Web: https://www.fraunhofer.de/

Bringing together the competences of 27 Fraunhofer institutes, Fraunhofer AVIATION & SPACE conducts applied research in the field of aerospace industry.

Aerospace industry applications and services have become an indispensable part of daily life, underpinning the significant impact of aerospace technologies on everyone's economic and socio-political life. The importance of aerospace for our daily life becomes clear when you take a closer look: aviation means global mobility and thus creates the conditions for cultural and economic networking. Space applications are used to detect illegal logging or pollution; to clarify connections between climatic changes and circumstances that are harmful to health, which can also be used to create scenarios for possible pandemics; or to exchange news globally in real time. Mobility, networking, environmental protection, resilience, communication - these are only five of numerous socially relevant aerospace topics that the Fraunhofer AVIATION & SPACE institutes deal with

A central element of the institutes work is the cooperation with industrial companies and scientific partners from the aviation and space field. Therefor our members pool their technological expertise in order to provide the aerospace industry and funding agencies such as BDLI. ESA or the European Comission with a central point of contact. The sheer technological diversity of our participating institutes enables us to offer our customers a unique range of services and to act as systems provider, developing various components of the highest quality and integrating them into a complete system. An important core element here is the sustainability of materials, components and processes, both in the development and in the utilization phase.

In addition, Fraunhofer AVIATION & SPACE provides in-depth expertise in various fields of technology, such as optics, sensors, communication, automation as well as digitalization and Al. To this end, Fraunhofer makes important contributions to national and European research funding programs (e.g. LuFo program and InnoSpace Masters or Clean Sky 2, Clean Aviation, ESA spaceflight programs and Horizon Europe).

Booth: F7 German Aerospace Center (DLR)

Email: contact-dlr@dlr.de

https://www.dlr.de/EN/Home/home\_node. Web:

<u>html</u>

DLR conducts research and development activities in the fields of aeronautics, space, energy, transport, security and digitalisation. The German Space Agency at DLR plans and implements the national space programme on behalf of the federal government

Booth: **D6; D8; E6; E12** German Pavilion

> Email: pr@ecm-berlin.de Web: https://ecm-berlin.de/

The German Pavilion is offering a brokerage service helping to establish contacts with German aerospace companies and offering information on Germany as a leading business location - for market leaders and start-ups. More: iac.germannavilion.com

Booth: D23 **GISTDA** 

Email: kamolmas@gistda.or.th Web: https://www.gistda.or.th/home.php

Thailand's core agency for space and geoinformatics mandates, GISTDA is sparing no efforts in fully moving ahead with the development of the technology for shaping the future of humanity. For more information: marketing@gistda.or.th

**GLENAIR** 



Email: sales@glenair.fr Web: https://www.glenair.fr/

Glenair manufactures a broad range of high-performance cables and components. From our innovative line of nonpyrotechnic HDRMs to Blind Mate and high-reliability assisted separation force connectors to Micro/Nano and miniature circular connectors.

Booth: J2 GMV Aerospace and Defence S.A.U.



Contact: Email: mgraziano@gmv.com Mariella Graziano Web: https://www.gmv.com/en

GMV, a trusted partner for S/C Manufacturers and Operators and Space Agencies, provides engineering, SW&HW development, systems integration in mission analysis, avionics, satellite & mission control, flight dynamics, data processing, navigation & robotics





#### Booth: F2; G3

#### **GROUPE ADF**



gael.lehir@latesys.com Email: Web: http://www.groupeadf.com

Groupe ADF, a major player in industrial performance, offers smart industrial solutions. With nearly a century of experience, our engineering, equipment and support services integrate CSR issues and the benefits of digitalization.

#### Booth: K10

#### **HE Space Operations**

INTERNATIONAL ASTRONAUTICAL CONGRESS



Contact: Email: btenberge@hespace.com Barbara ten Berge Web: https://www.hespace.com/

HE Space provides customised contracting services to the European space market since 1982. We are matchmaking experts in engineering, science, operations, and more with institutional space organisations, major space companies, and New Space start-ups.

#### Booth: C12

#### **HEAD Aerospace France**



Email: contact@head-aerospace.fr Web: https://www.head-aerospace.eu/

HEAD Aerospace Group is a Global Space Company for the Future, supplying Space Products and Components as well as unsurpassed Earth Observation and Monitoring capabilities and Solutions through Satellite Imagery and HEAD's Skywalker IoT constellation.

#### Booth: F2; G3

#### **HEMERIA**



Email: amandine.delom@hemeria-group.com Web: https://www.hemeria-group.com/

As France's flagship smallsat manufacturer, HEMERIA built the first French commercial smallsat, ANGELS, orbited in 2019. In 2023 it will be supplying the 25 satellites of the KINEIS constellation set to deliver connectivity for the IoT.

#### Booth: A21

#### **IAC MILAN 2024**



The 75th International Astronautical Congress (IAC), that will be held in Milan (Italy) on 11-18 October 2024, will be organised by IAF, hosted by the Italian Association of Aeronautics and Astronautics (AIDAA) and co-hosted by the Italian Space Agency (ASI) and Leonardo.

#### Booth: A31

#### Independence-X Aerospace

#### PINDEPENDENCE X

izmir.yamin@independence-x.com Email:

iac2024@aidaa.it

Independence-X Aerospace is a NewSpace Transportation Systems company that provides Microgravity Experiment Reentry Capsule service, Launch Services, Communication Satellites, Ground Station service, and aims for interplanetary

#### Booth: G8

#### Indian Space Research Organisation (ISRO)



Email: nskumar.shar@gmail.com Web: https://www.isro.gov.in/

Indian Space Research Organisation (ISRO) is a public-funded R&D organisation under the Department of Space, Government of India, which is primarily responsible for all space-related activities within the country.

#### Booth: J14

#### IngeniArs S.r.l.



request@ingeniars.com Web: https://www.ingeniars.com/

IngeniArs is an Italian SME specialized in design and development of innovative high-tech electronic/informatics systems in the domains of Aerospace, Artificial Intelligence, Cybersecurity and Healthcare.

#### Booth: K4

#### **INNOSPACE**

#### **◯◯** INNO574CE

Email: marshal.win@innospc.com Web: http://www.innospc.com/

INNOSPACE is a South Korean space startup for small satellite launcher manufacturing and aerospace engineering services. Founded in 2017, the company is developing hybrid rocket-powered small satellite launchers (HANBIT) to provide lowlatency, low-cost, and reliable launch services in today's rapidly expanding small satellite market. INNOSPACE has offices in South Korea, Brazil and France and is expanding global business opportunities in the aerospace industry.

#### Booth: M2

#### Institute of Experimental and Applied Physics, Czech Technical University



Contact: Email: robert.filgas@utef.cvut.cz http://www.utef.cvut.cz/ieap Robert Filaas Web:

The IEAP CTU was founded in 2002 as a scientific-academic unit of the Czech Technical University oriented towards fundamental experimental research in subatomic physics and the application of mastered methods in other scientific and technical fields of research. The experimental program is based on the development of progressive detection techniques and methods (pixel and strip semiconductor detectors, scintillation detectors, spectrometric and imaging systems, etc.) and their use in particle and nuclear physics and in research fields, where similar instrumentation is required and applicable. Presently, the IEAP has roughly 100 employees, located in Prague.

IEAP, together with partners, have developed numerous radiation monitors used in space that are based on Timepix chips. Since 2012, several miniature systems have been hosted on the ISS. In 2013, radiation monitor SATRAM was launched to LEO onboard ESA's Proba-V satellite and has functioned flawlessly since. Other space projects include the Czech cubesat project VZLUSAT-1 in 2017, the Japanese RISESAT project in 2019 and the recently adopted EU Horizon 2020 "Mini-PAN" project. In addition, IEAP CTU is finishing development of HardPix, a single or dual layer Timepix3 radiation monitor with onboard processing. HardPix will fly on-board ESA's GOMX-5 mission in 2023, two HardPix units were procured by ESA to be part of ERSA on-board the Lunar Gateway and HardPix units might also serve as neutron spectrometers for water mapping on-board lunar rover missions.

#### Booth: Hall 7.3

#### International Astronautical Federation (IAF)



evelina.hedman@iafastro.org Contact: Evelina Hedman Web: www.iafastro.org

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 @II Space People" - the Federation advances knowledge about space and fosters the development and application of space assets by advancing global cooperation.

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

#### Booth: B2

#### **ISEB**

ISEB is comprised of ten international space agencies whose purpose is to provide a mechanism for enhanced cooperation among its members with regards to space education initiatives.

#### Booth: K17

#### International Space University



Contact: Email: geraldine.moser@isunet.edu Geraldine Mosei Web: https://www.isunet.edu/

The International Space University – a 35-year success story – is the world's premier international space education institution. ISU develops the future leaders of the world space community.

#### Booth: L10

#### Interstellar Lab



pedro@interstellarlab.earth Contact: Fmail: Pedro Chicalhon Web: https://interstellarlab.com/

Founded in 2018 by Barbara Belvisi. Interstellar Lab develops controlled-environment pods to create ideal conditions for plants to grow on Earth and in space. Our solutions are used from sustainable farming on Earth to astronaut life-support and food production in space.

## INTERNATIONAL ASTRONAUTICAL CONGRESS

Booth: B31

ISAE-SUPAERO

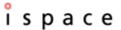


Contact: Email: virginie.malet@isae-supaero.fr Virginie Malet Web: https://www.isae-supaero.fr/fr/

World leader in aerospace engineering higher education.

Booth: H9

ispace, inc.



Contact: Email: a-ames@ispace-inc.com Andrew Ames Web: https://www.ispace-inc.com/

ispace is a lunar exploration company with over 190 employees and offices in Japan, Europe and the United States. ispace builds commercial lunar landers and rovers, aiming to provide a high-frequency, low-cost delivery service to the Moon..

Booth: J3

Israel Aerospace Industry Itd./IAI



Contact: Email: dronen@iai.co.il Dorit Roner Web: https://www.iai.co.il/

IAI, the National Space House of Israel, is acting as a one-stop-shop for cost-effective satellites ranging from Nano to several tons. Having over 40 years of experience in space technologies, IAI focuses on space systems for national security, scientific/ research and commercial applications.

Being "focused" in what we are doing and building, we obtain very high performances, most suitable for today's customers' needs. IAI implements its extensive experience in space technologies, along with new space approach.

Dozens of satellites have been successfully launched and operating with excellent performance in space, providing services to users in Israel and abroad. IAI works closely with its customers to enable efficient solutions, according to their special needs and budget constraints. IAI also offers the Shavit launcher, enabling launch of mid-size satellites to LEO orbits and has self-capabilities and proven records in conducting a full space project cycle.

Booth: G6

**ITA - ITALIAN TRADE AGENCY** 



Contact: Email: i.dellavalle@ice.it Ilaria Dellavalle Web: https://www.ice.it/it

ITA - Italian Trade Agency is the Governmental agency that supports the business development of our companies abroad and promotes the attraction of foreign investment in Italy.

Booth: 15

Japan Aerospace Exploration Agency (JAXA)



Contact: Email: sasamura.mami@jaxa.jp https://global.jaxa.jp/ Web: Mami Sasamura

The Japan Aerospace Exploration Agency (JAXA) is a National Research and Development Agency in Japan that aims to lead the society and create new value driven by science and technology.

Booth: M3

**JGC CORPORATION** 

JGC JGC CORPORATION

Email: yokoyama.takuya@jgc.com Web: https://www.jgc.com/en/

The Engineering company in Japan. Its manufacturing facilities include petroleum refining plants, chemical plants, LNG plants, and natural gas processing plants over the course of the company's history it implemented over 20,000 projects in 80 countries.

Booth: K19

**Kayhan Space** 



Contact: greg@kayhan.space https://www.kayhan.space/ Greg Ruda Web:

Kayhan Space is a software company focused on making spaceflight safer by delivering next-generation autonomous spaceflight capabilities

Booth: H6

Korea Aerospace Research Institute - KARI



Contact: Email: eckim@kari.re.kr

Eui-Chan Kim Web: https://www.kari.re.kr/eng.do

As a total solution provider in aerospace, KAI has been taking leading role in national aviation industry and security with successful development of KT-1 Basic Trainer, T-50 Advanced Jet trainer, FA-50 Light Combat Aircraft, KUH-1 Utility Helicopter and RQ-101 Unmanned Aerial Vehicle. Currently KFX and LAH/LCH program which is future growth engine are

In addition, KAI is extending its scope to space business by participating the development such as Korea Multi-Purpose Satellites, Compact Advanced Satellite 500 and Defense Satellite, as well as Korea Space Launch Vehicle.

Booth: C31

**KP Labs** 



Email: imarushchak@kplabs.pl Web: https://kplabs.space/

KP Labs is an innovative new space company whose mission is to accelerate space exploration through the development of autonomous spacecraft and robotic technologies. KP Labs' experience includes developing onboard software, hyperspectral imaging devices, artificial intelligence algorithms and high-performance computers.

Booth: K16

**Kongsberg Satellite Services** 



Email: thomas.norhadian@ksat.no Web: https://www.ksat.no/fr/

KSAT is the leading provider of Global Ground Network Services and Near Real-time Earth Observation Services. We owns and operates a ground station network of 26 locations around the world, both polar and midlatitude stations. We connect Space and Earth!

Booth: D25

LATVIA



Email: pasts@liaa.gov.lv Web: www.liaa.gov.lv

Investment and Development Agency of Latvia (LIAA), www.liaa.gov.lv is the governmental agency working under supervision of the Ministry of Economics.

We are looking for foreign companies which are interested in cooperation with the Latvian companies: buying, outsourcing, investing in Latvia.

Booth: L6

Launcher



Email: david@launcherspace.com Web: https://www.launcherspace.com/

Launcher designs and builds the industry's most efficient rockets and transfer vehicles to deliver small satellites to orbit

Booth: K11

Leafspace



Email: info@leaf.space Web: https://leaf.space/

Leaf Space operates a fully owned, globally distributed network of ground stations, empowering SmallSat operators to seamlessly communicate with their satellites in the most flexible way. Founded in 2014, Leaf Space currently supports 60 satellites in LEO

Booth: C33

LeoLabs



Contact:

Email: mshouppe@leolabs.space Matthew Shouppe Web: https://leolabs.space/

LeoLabs provides commercial space data and analytics services to protect assets in Low Earth Orbit (LEO). Our global network of radars and SaaS-based computing platform provide real-time data and insights into space events to ensure mission success.

#### LOCKHEED MARTIN CORPORATION Booth: H1



Email: businessdevelopment.lm@lmco.com Web: https://www.lockheedmartin.com/

Going to space is just the beginning. It's what you do when you get there that matters. We build satellites and spacecraft that do amazing things in space for government and commercial customers. Lockheed Martin-built satellites/spacecraft expand our knowledge of the universe, give earlier warning of severe weather, and deliver GPS directions to a billion people worldwide. As we look to the future, we're driving innovations to help our customers do even more in space. Lockheed Martin brings more capability to the table than ever before, creating better data, new images and groundbreaking ways to work. And we're doing it with smarter factories and common products, making our systems increasingly affordable and faster to produce.

Headquartered in Bethesda, Maryland, Lockheed Martin is a global security and aerospace company that employs approximately 110,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services.

#### Booth: K5 Loft Orbital



Contact: Email: elisa@loftorbital.com

Elisa Carcaillon Web: https://www.loftorbital.com/

Loft Orbital is a space infrastructure company that offers the fastest, most reliable, and simplest path to orbit for any

#### Booth: L18 Lunar Zebro | TU Delft



Contact: Email: operations.spacezebro@tudelft.nl

Maneesh Verma Web: https://zebro.space/

TU Delft and Zebro Group have been working on off-world micro rovers since 2017 with its unique C-shaped legs. At IAC 22, for the first time, cooperative rovers are demonstrated in public: Autonomously map and find randomly located targets in closed area.

#### Booth: J11 **Luxembourg Space Agency**



Email: info@space-agency.lu

Established in 2018 with the goal of developing the national space sector, the Luxembourg Space Agency fosters new and existing companies, develops human resources, facilitates access to funding and provides support for academic research. The agency implements the national space economic development strategy, manages national space research and development programs, and leads the SpaceResources.lu initiative. The LSA also represents Luxembourg within the European Space Agency, as well as the space related programs of the European Union and the United Nations.

#### Booth: H10 m+p international



Email: diane.compagnon@mpihome.com

Web: https://mpihome.com/fr/

m+p international is a worldwide supplier of high-quality measurement. Many years of cooperation with our customers, expertise of our engineers and a policy of ongoing research and development guaranteeing the convincing performance of our products

#### Booth: L14 MDA



Email: lauren.chan@mda.space Web: https://www.eabeng.no/

MDA is an international space mission partner and a robotics, satellite systems and geointelligence pioneer with a 50-year story of firsts on and above the Earth

#### Booth: A30 Metavisionaries



Email: wasim@metavisionaries.io Web:

Metavisionaries is a community of changemakers, thought leaders and industry experts who are committed to providing access to the space economy and frontier technologies to build socially inclusive competency and human capacity required to meet immediate and future sustainability challenges.

#### Booth: B18 Ministry of Economic Development



Email: kancelaria@mrpit.gov.pl

The Ministry of Economic Development and Technology of the Republic of Poland promotes native brand products and strengthens the image of Poland and the Polish Economy in the world.

#### Booth: 14 Ministry of High Tech Industry of the Republic of Armenia



Fmail: ararat.sahakyan@hti.am

Web: https://hti.am/

#### Mohammed Bin Rashid Space Centre (MBRSC)



Booth: 13

Contact: Fmail: mahra.alfalasi@mbrsc.ae Salem Ghariba Web: https://www.mbrsc.ae/

MBRSC is an advanced scientific and technological hub, responsible for making the UAE a world leader in space services

Established in 2006, the Mohammad Bin Rashid Space Centre (MBRSC) started out with five engineers, who took it upon themselves to develop their capabilities and expand their knowledge in the field of space, relying on strong will and solid determination. Since then, the centre has continued its journey to be the incubator of the "UAE National Space Programme". The MBRSC has undertaken the tasks of building, developing, and operating a number of Earth observation satellites, providing imaging services, analysing and studying them, as well as producing relevant data to scientific communities and research centres around the world. Among the satellites that the centre operates are DubaiSat-1 & DubaiSat-2. The MBRSC is also responsible for KhalifaSat, celebrated as the first satellite that was fully built by Emiratis in 2018, Recently, the centre revealed its plan to develop the new satellite MBZ-SAT, which is expected to be launched at the end of 2023 and to be the latest in the field of high-resolution imaging from outer space.

Among the MBRSC's initiatives is the Emirates Mars Mission, "Hope Probe", which became the first Arab mission to reach the Martian orbit in 2021. The mission aims to collect basic scientific data about the Martian atmosphere, gathering that vital scientific data enabling the planet's atmosphere to be quantified and analysed. The Emirates Mars Mission frames the development of the "Mars 2117" programme, which will lead to the construction of the first human settlement on the Red planet. The centre also launched the Emirates Lunar Mission, "Rashid rover", making the UAE the first Arab country, and the fourth globally, to mandate projects of this kind, and it is expected to be launched before the end of 2022.

To provide these projects with qualified national skills, the MBRSC launched the "UAE Astronaut Programme", which was established in 2017. The first Emirati astronaut, Hazzaa AlMansoori, who undertook a scientific mission to the International Space Station (ISS) in 2019, was a graduate of the programme. Other Emirati astronauts that have graduated from the "UAE Astronaut Programme" are Sultan AlNeyadi, Mohammed AlMulla, and Nora AlMatrooshi, the first Arab female astronaut. The centre has also recently announced the first long-duration mission, that will send an Arab astronaut to the ISS for 6

The MBRSC hosted the 72<sup>nd</sup> edition of the International Space Conference in 2021, the first time the region has hosted this event since its launch. The centre will host the 17th edition of the International Space Operations Conference 2023 (SpaceOps) in Dubai next year.

#### Booth:C3 Mynaric

### mynaric

Contact: Email: sven.reichmann@mynaric.com

Sven Reichmann Web: https://mynaric.com/

Mynaric is a high-volume manufacturer of secure, quickly deployable, large bandwidth, optical communications products to interconnect satellites, Unmanned Aerial Systems, aircraft, or high-altitude platforms with each other or with the ground.

#### Booth: C20 **NanoAvionics**



Contact: Email: sandra.paskauskaite@nanoavionics.com Web:

Sandra Paskauskaite https://nanoavionics.com/

NanoAvionics is a small satellite mission integrator focused on delivering new generation satellite buses and propulsion systems for the satellite applications market.





Booth: 12

Nanoracks

**Nanoracks** 

NASA

Michael Lewis

Contact: Email: mlewis@nanoracks.com Web: www.nanoracks.com

Nanoracks, powered by Voyager Space, is a global leader for providing commercial space services. Nanoracks owns and operates private hardware on the International Space Station and has launched over 1,300 research experiments, deployed over 300 small satellites, and installed the Bishop Airlock. Today, Nanoracks leverages over a decade of experience to develop new commercial space systems in direct response to customer needs. These space systems include converting commercial launch vehicle upper stages into functional secondary platforms, building new habitable space stations, supplying payload and crew airlock systems and services infrastructure, and more.

Booth: K1

Email: Lauren.T.Katz@nasa.gov

> https://www.fusiononline.com/capabilities/ Web:

nasa

The National Aeronautics and Space Administration (NASA) is responsible for unique scientific and technological achievements in human spaceflight, aeronautics, space science, and space applications that have had widespread impacts on our nation and the world. Established in 1958, NASA has been the center of U.S. civil aerospace research and development for more than half a century

Booth: B24

Neuraspace



Email: bizdev@neuraspace.com Web: https://www.neuraspace.com/

neuraspace

Neuraspace is a pioneer company in the use AI/ML to fight Space Debris and collisions that can destroy satellites, enabling satellite operators to detect up to 50% more high-risk collisions and reducing human intervention up to 75%.

Booth: K15

New Zealand Space Agency



Email: nzspaceagency@mbie.govt.nz

Web: https://www.mbie.govt.nz/science-and-

technology/space/

The New Zealand Space Agency is the lead government agency for space policy, regulation and sector development: the front door for space activities in New Zealand. We champion the peaceful, safe and sustainable use of space, while enabling

Booth: 16

**NewSpace Catalonia** 





colome@ieec.cat

The Government of Catalonia, with the support of the IEEC, promotes the NewSpace Strategy to strengthen the space ecosystem through nanosatellite missions, research and innovation programmes and high value-added services based on space technologies.

Email:

Booth: D1

NL-Space/SpaceNed



Contact: Hessel Kokke Email: hessel.kokke@spacened.nl Web: https://www.spacened.nl/

Global Challenges Netherlands Space Solutions

Booth: J1

**Northrop Grumman** 

NORTHROP" GRUMMAN Contact: Email: emily.amador@ngc.com

Emily Amador Web: https://www.northropgrumman.com/

Northrop Grumman solves the toughest problems in space, aeronautics, defense and cyberspace to meet the ever evolving needs of our customers worldwide

Booth: D10

**Norwegian Pavilion** 



Contact: Email: marianne.moen@spaceagency.no Marianne Moen Web: https://www.romsenter.no/eng/

The Norwegian Pavilion will showcase some of the leading Norwegian space companies: Andøya Space, Nammo, Kongsberg Defence & Aerospace (KDA) and Eidel. The pavilion is supported by the Norwegian Space Agency and Innovation Norway.

Booth: K22

**NucleusVR** 

NUCLEUS VE

Email: abolton@eabengineering.com Contact: **Bolton Alexander** Web: https://nucleusvr.eu/

Giving You the Tools for Creating Digital Twins

Nucleus VR offers a solution that enables customers to build their own digital twin - autonomously and without coding. Simply load your 3D CAD data or scanned point cloud onto our platform then visit the Digital Twin together on a VR headset, a PC, an Augmented Reality tablet, or Microsoft's HoloLens.

Booth: K21

Officina Stellare SPA



Contact: lisa.maretto@officinastellare.com Lisa Maretto Web: https://www.officinastellare.com/

Based in Sarcedo (VI), Italy, Officina Stellare S.p.A. is a leader in the design, development and delivery of complex optomechanical systems and instrumentation for Ground and Space-based applications and it operates as a vertical integrator.

Booth: F8

**OHB SE** 



Contact: Fmail: IAC@ohb.de

Sandra Mueller Web: www.ohb-system.de

OHB SE one of the leading independent forces in the European space industry. With a total of around 3,000 highly qualified employees in Europe and overseas, the OHB Group is excellently positioned to face international competition and has made a name for itself as a reliable partner for government institutions and private companies. OHB SE's activities are spread across three business units: Space Systems, Aerospace and Digital. While the Space Systems segment develops and realises satellite systems and space missions, the Aerospace segment is a major supplier to the European aerospace industry. The third business unit. Digital, combines launch services, satellite operations and the development of IT applications based on satellite data. We.Create.Space.

Booth: G5

ONERA



Email: secretariat-salon@onera.fr

Web: www.onera.fr

ONERA, a central player in aeronautics and space research. Under the supervision of the Ministry of the Armed Forces, it has a budget of 266 million euros in 2022, of which more than half comes from study, research and testing contracts.

Booth: F8D

Open Cosmos

OPEN COSMOS

Contact: Sarah Lav Email: sarah.lay@open-cosmos.com Web: https://www.open-cosmos.com/

Open Cosmos delivers satellite-based solutions designed to tackle Earth's biggest challenges. We offer everything needed to bring actionable information from space; from mission development software, ready-to-launch small satellite platforms and services.

Booth: B33

ORBITAL OUTPOST X/SPACE ROBOTICS WORKERS



Email: imarcos@spaceroboticsworkers.com Web: http://www.camaradealava.com/

ORBITAL OUTPOST X strives to build a modular, expandable privately owned space station in Low Earth Orbit (LEO). The station will provide an operational assembly facility in LEO for integration of large space elements by a group of private space workers

Booth: M13

Overleaf



Email: ray.counley@overleaf.com https://www.overleaf.com/ Web:

Overleaf is a collaborative, cloud-based LaTeX editor which makes the process of writing, editing and publishing scientific documents quicker and easier. Overleaf's award-winning collaboration technology is now in use by over 10 million users worldwide.



Booth: D7

Perihelion



Contact: Email: judith.delany@perihelion.at Judith Delany Web: http://www.perihelion.at/

Perihelion is a full-service creative agency that specialises in providing video, animation, digital marketing, branding and graphic design services to the space sector.

Booth: C1 PIEMONTE



aerospace@centroestero.org Web: https://www.centroestero.org/it/

Piemonte is where new technologies are developed for the exploration of Space. International players, technological companies and innovation are the characteristics that are making Piemonte an ideal region for the development of the New Space Economy

Booth: C22 **PLUG IN** 



Email: quality@plugin.fr Web: https://www.plugin.fr/

Leader in designing and manufacturing hermetic feedthroughs for Thermal Vacuum Chambers (TVAC) based on the epoxy sealing and a very modular concept.

Easy, flexible, fast adaptation to your application used in more than 50 countries by all major space labs or end users.

Booth: B29 **Polish Space Agency** 



Contact: Email: joanna.bankiewicz@polsa.gov.pl Joanna Bankiewicz Web: https://polsa.gov.pl/en/

Polish Space Agency (POLSA) is a national governmental agency, established in 2014. The role of the Agency is to support the Polish space industry by implementing the priorities of the Polish Space Strategy. POLSA cooperates with international agencies and public administration in the field of space exploration and exploitation. It is responsible for promoting the Polish space sector domestically and abroad. POLSA also conducts activities related to information and education on the use of satellite technologies (including navigation, observation and communication) in economy, administration and everyday life.

Booth: C35 Precious Payload Inc. & HOSTmi



Email: info@preciouspayload.com Web: https://www.preciouspayload.com/

Expedia for the space: Book your slot on a rocket, insure your satellite, outsource licensing, and manage your mission progress ONLINE.

**QSTC CANADA INC** Booth: C2

> Gurvinder.chohan@agstspace.ca Contact: Email: Gurvinder Chohan Web: https://www.aqst-space.ca/

Booth: E1 **Rolls Royce** 



Sarah.McCarthy@Rolls-Royce.com

Rolls-Royce pioneers the power that matters to connect, power and protect society. With a world-leading power portfolio and rich nuclear heritage, we are pioneering the most power dense and sustainable solutions to support the growth of the space sector.

Booth: C37 **Romanian Space Agency** 



Booth: J16 **SAB Launch Services** 



mmali@sabls.com Contact: Email: Megi Mali Web: https://www.sablaunchservices.com/

SAB Launch Services S.r.l. (SAB LS) is an Italian company part of SAB Group, offering launch services for all kind of Small

Satellites with special focus on Microsatellites and Cubesats. SAB LS offers "end to end" services, including launch procurement, integration activities, pre and post launch support, in

orbit services, and full insurance at very competitive prices. The company operates from it's headquartes of Benevento (while payload integration activites in Europe are carried out

in the SAB facility in Brno (CZ). Final Integration and Pre Flight-Operations are performed in the European Space Port in French Guiana.

Booth: D22 Sabelt Spa



Contact: Email: martino@sabelt.com Sara Martino Web: http://www.sabelt.com/

Sabelt, founded in 1972, is a global leader in development and manufacturing of original equipment seats and seatbelts for sport cars, motorsport products and retaining systems for space and safety belts for aviation and military vehicles.

Booth: E3 **SAFRAN AERO BOOSTERS** 



vincent.ledoux@safrangroup.com Email: Web: https://www.safran-group.com/fr

As a worldwide leader in its sector, Safran Aero Boosters designs, develops and produces modules, equipment and test cells for aircraft and space engines. Based in Belgium, Safran Aero Boosters has two subsidiaries in the United States and employs 1,700 people. Safran Aero Boosters specializes in flow regulation valves for space propulsion. With a strong focus on Research and Technology, the company is a partner on most future European launcher propulsion programs.

SAFRAN Booth: F2



Email: julie.lenoir@safran.com

Web: https://www.safran-group.com/fr

For more than 50 years, Safran has mastered and coordinated a large number of technologies related to space propulsion systems and high-performance space optics, as well as modular radio-frequency systems for satellite and probe control.

Booth: K14 Satrec Initiative



Email: inquiries@satreci.com Web: http://www.satreci.com/

SI was founded in 1999 by the engineers who developed the first Korean satellite and a series of advanced small satellites. We have been focusing on developing high-performance small/medium satellite systems for Earth observation missions.

Booth: H7; G7 Saudi Space Commission



Email: sabis@ssc.gov.sa

Web: https://saudispace.gov.sa/en/home/

The Saudi Space Commission was established by the royal order in December of 2018. This bold step serves a future that is innovative and looks forward to the latest technologies and opportunities in the Saudi Space Industry.

Booth: C30 SEE Lab (Space Economy Evolution Laboratory) - SDA Bocconi School of Management



clelia.iacomino@sdabocconi.it Web:

https://www.unibocconi.it/wps/wcm/ connect/Bocconi/SitoPubblico\_IT/ Albero+di+navigazione/Home/

The Space Economy Evolution Laboratory (SEE Lab) of SDA Bocconi School of Management is a multidisciplinary research lab focused on the analysis of space economy





Booth: B20

**SENER Aerospacial** 



Email: aeroespacial@aeroespacial.sener Web: https://www.aeroespacial.sener/

SENER Aeroespacial is a Spanish private company with a large experience in Space, delivering a wide range of products and engineering services; from mechanical assemblies and navigation units and systems to communications equipment for the space segment.

Booth: F2; G3

SEREME

S. E. R. E. M. E.

max.steinberg@sereme.com Web: http://www.sereme.com

European Leader in Design & Delivery of Ground Test Facilities

Acoustic: RAC, Noise Generators (LF, MF, HF, VHF)

INTERNATIONAL ASTRONAUTICAL CONGRESS

Vibration: 3 DOF & 6 DOF ED systems / Slip Tables & Guided Expanders

MGSE: Clamp bands, Adaptors

Microvibration: Measurement & isolation solutions

Booth: K8; K9

Sierra Space Contact:

Email: Veronique.Pedron@sncorp.com Veronique Pedron Web: https://www.sncorp.com/

Sierra Space (www.sierraspace.com) is the definitive commercial space company that is building platforms in space to benefit life on Earth. With more than 30 years and 500 missions of space flight heritage. Sierra Space is enabling the future of space transportation with Dream Chaser®, the world's only winged commercial spaceplane. This unique space transport vehicle is set to launch in 2023 on the first of six NASA commercial resupply (CRS-2) missions to the International Space Station. Dream Chaser is reusable and uniquely capable of a low, 1.5 g-force re-entry – for crew and cargo transportation – and can land on compatible commercial airport runways worldwide. Sierra Space is also building the LIFE™ habitat (Large Integrated Flexible Environment), a modular, three-story commercial habitation and science platform designed for low Earth orbit (LEO). Both the Dream Chaser spaceplane and the LIFE habitat are central components to Orbital Reef, a mixeduse business park in LEO that is under development by principal partners Sierra Space and Blue Origin.

#### Booth: G11

#### **Singapore Pavilion**



Email: vivian.koo@space.org.sg Web:

https://www.space.org.sg/

The Singapore Pavilion is organised by Singapore Space & Technology Ltd. and supported by Enterprise Singapore and the Office for Space Technology & Industry (OSTIn). It features eight companies ie, Addvalue Innovation Ltd, Kacific Broadband Satellites Ltd, Lighthaus Photonics Pte Ltd, Speqtral Pte Ltd, Meta Sensing Asia Pacific Pte Ltd, ST Engineering Satellite Systems Pte Ltd, ST Engineering Geo-Insights Pte Ltd and Zero-Error Systems Pte Ltd. Come visit us at G11 to find out more about Singapore's space ecosystem.

Booth: A29

Skyroot



Contact: Email: sireesh@skyroot.in Sireesh Pallikonda Web: https://skyroot.in/

Skyroot Aerospace, a national award-winning & first private Indian startup to successfully test fire multiple rocket technologies, is on a mission to open space for all by offering reliable & affordable launches on its launch vehicles, the Vikram Series.

Booth: A15

**Slovak Space Office** 

SLOVAK SPACE OFFICE Contact: Email: daniel.sagath@sario.sk Daniel Sagath Web: https://www.sario.sk/en

The Slovak Space Office is the official national contact point for bilateral and multilateral international cooperation. including cooperation with space agencies, offices, associations, businesses, and research entities,

Booth: F2; G3

**SODITECH SA** 

Soditech

Email: info@soditech.com Web: http://www.soditech.com/

Soditech is a French SME specialised in the integration of mechanical, thermal and electronic subsystems for Space, Research and Defence. Our friendly team provides the largest industrial groups with a complete offer from specification to integration

Booth: M5

SolvGE - H2O2 Concentrator for high concentration

deniz@solvge.com Email: Contact: Deniz Ozturk Web: https://solvge.com/

SolvGE is a Dutch Company incubated at the TU Delft. We developed a Hydrogen Peroxide Printer for high concentrations (40-99% H2O2). It is a new and unique technology. Our solution is on-site, on-demand, wasteless, carbon-free and cost-

Booth: F2; G3

SOPHIA ENGINEERING

SOPHIA

contact@sophiaengineering.com Web: http://www.sophiaengineering.fr

SOPHIA transforms ideas into industrial reality. Main Contractor on customized optical systems for multisectorial applications, Earth Observation and SSA. We create Innovative optical payloads for nano/micro-sized satellite or constellations

Booth: K18

#### South African National Space Agency - SANSA



Contact: Email: dfouche@sansa.org.za Daleen Fouche Web: https://www.sansa.org.za/

The South African National Space Agency (SANSA) aims to provide leadership in unlocking the potential of Space for the advancement and benefit of humanity by creating an integrated National Space Capability that responds to socio-economic challenges.

Booth: B1

#### Space Applications Services NV/SA



Email: richard.aked@spaceapplications.com Web: https://www.spaceapplications.com/

The company, based in Belgium, has a subsidiary, Aerospace Applications North America in the USA. We develop and operate manned and unmanned systems for terrestrial, LEO and lunar destinations. We deliver and operate payloads in LEO with ICE Cubes service.

Booth: K7

**Space Data Marketplace** 

Email: isabelle.joulot@dawex.com Web: https://www.dawex.com/en/

Space Data Marketplace is a trusted and secure environment to facilitate and accelerate earth observation data circulation in order to build strong data partnerships, and create value for the whole ecosystem in France, Europe and globally.

Booth: D3

#### Space Exchange Switzerland



Space eXchange Email: gregoire.bourban@epfl.ch

A national platform for the promotion and further developement of space in Switzerland. Space Exchange Switzerland is funded by the Swiss Space Office of the State Secretariat for Education, Research and Innovation (SERI/SSO).

Booth: J4

#### SPACE FLIGHT LABORATORY (SFL)



Email: info@utias-sfl.net Web: https://www.utias-sfl.net/

SFL generates bigger returns from smaller, lower cost satellites. With over 145 years of on-orbit heritage and success, we develop the best barrier-breaking small satellites for the world. From 3kg nanosatellites to 500kg small satellites - come

Booth: E1C

Space Park Leicester



alex.wheldon@leicester.ac.uk Email:

Web: https://le.ac.uk/

Building upon the heritage and space-science excellence of the University of Leicester, Space Park is a collaborative community of industry, academics and students working together to drive growth in space and space-enabled sectors.



Booth: F10

Space T, Inc.



Since Kaatsu training is effective in zero-G, we created an original training method in collaboration with a private space business company ASTRAX, created SPACE COFFEE © with the image of space, and started management of SPACE SHIBUKI

Email:

Booth: F11 Space Wa-mama



Contact: Email: taiko.kawakami@astrax.space Taiko Tawakami Web: https://www.astrax.space/

She supports companies and entrepreneurs who enter the commercial space business and is engaged in the development of the services such as ASTRAX LIFE, ASTRAX ACADEMY, etc. with ASTRAX, Inc. She also develops "Space Beer" which can he drunk in space

Booth: F2; G3

SpacEarth initiative



daphne.lafosse-marin@gifas.fr

info@spacet.biz

SpacEarth Initiative brings together a large number of French space industries to promote high skills and technological achievements of a very dynamic sector, inventing for next generations a safe & healthy daily life in a sustainable world.

Booth: B28

**SPACEMAP INC** 



Fmail: shawn.choi@spacemap42.com Contact:

Shawn Seunghwan Choi

SPACEMAP INC aims to provide a real-time decision-making platform to solve spatial reasoning problems among space objects including satellites, launch vehicles, debris, etc. We wish to help people use our platform just like people use GoogleMaps on the Earth surface. The spatial problems fall into three categories: Safety, efficiency, and intelligence. Safety category includes problems related with collisions among space objects and their optimal avoidance. We target to contribute to safe and sustainable space by assisting launch companies, constellation owners/operators, insurance companies, mandating organizations, etc. Efficiency category includes problems related with optimal data transmission through constellation, optimal earth observation scheduling of constellation, optimal vehicle's visit scheduling among space objects, etc. Intelligence category includes extracting intelligence about satellite operations of both friend and foe, or both. A simple example is to identify all adversarial satellites which will approach own asset within 10 km during 24h tomorrow. Most of these problems, if not all, are computationally expensive, if not hard. As there will be many more satellites to be deployed in forthcoming years, there will be many requests to solve these problems to find good solutions in near real-time. SPACEMAP's key people have long worked on solving these problems using a unified framework of Voronoi diagrams from academician's perspective before its foundation in Seoul, Korea in September 2021. In fact, Douglas Kim, CEO, is worldwide famous for his deep contribution to the theory, algorithms, implementations of Voronoi diagrams, and Voronoi diagram-based solution methods of applications using diverse types of Voronoi diagrams. SPACEMAP's platform has now started to attract both giant space tech companies and startups.

Booth: F8C

Spaceopal GmbH



Email: info@spaceopal.com

Spaceopal, a joint venture by DLR Gesellschaft für Raumfahrtanwendungen (GfR) mbH and Telespazio, a Leonardo and Thales Company, is the prime contractor for the operational services of Galileo, the satellite navigation program of the European Union, and is the world's largest navigation satellite service operator. As Service Operator of Galileo, Spaceopal is the key partner of European Global Navigation Satellite Systems Agency (EUSPA), and provides best in class quality navigation services, enhancing position, and precise timing for users worldwide.

The entire Galileo constellation, composed by 30 satellites, and the GNSS services are managed through two satellite Control Centers (in Oberpfaffenhofen, Bavaria, Germany and in Fucino, Abruzzo, Italy), the GNSS Service Center in Torrejón de Ardoz (Spain), several mission-uplink stations and satellite control transmitting stations as well as a growing number of distributed sensor stations worldwide, dedicated to the monitoring the navigation signals.

In addition to its core activity, through the years Spaceopal has created a technology framework dedicated to innovation and development for new solutions, applications and services, such as NAVCAST our new service and product line.

Booth: E2

**SPAIN SPACE** 



dg@cdti.es Web: www.cdti.es

The Spain Space at IAC 2022 organized by CDTI/ICEX will be hosting the following Spanish companies: ALEN SPACE; ANZEN; ARQUIMEA; AVS; COMET; DEIMOS SPACE; DHV TECHNOLOGY; EMXYS; GMV; IENAI SPACE; MADRID SPACE; PANGEA AEROSPACE; PROSIX and SATLANTIS.

Booth: M18

Spire Global



Contact: Email: vividha.chopra@spire.com Vividha Chopra Web: https://spire.com/

Spire is a leading global provider of space-based data, analytics, and space services, offering access to unique datasets and powerful insights about Earth from the ultimate vantage point so that organizations can make decisions with confidence, accuracy, and speed. Spire uses one of the world's largest multi-purpose satellite constellations to source hard-to-acquire, valuable data and enriches it with predictive solutions. Spire then provides this data as a subscription to organizations around the world so they can improve business operations, decrease their environmental footprint, deploy resources for growth and competitive advantage, and mitigate risk. Spire gives commercial and government organizations the competitive advantage they seek to innovate and solve some of the world's toughest problems with insights from space.

Booth: E1B

Surrey Satellite Technology Ltd



Contact: Email: eturnbull@sstl.co.uk Fmma Turnbull Web: https://www.sstl.co.uk/

Surrey Satellite Technology Ltd is at the forefront of space innovation and is the world's leading small satellite manufacturer. SSTL specialises in delivering customisable complete mission solutions and is based in Guildford, UK.

Booth: G16

**Surrey Space Center** 

Christopher Bridges



Contact: Email: c.p.bridges@surrey.ac.uk

Web:

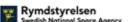
https://www.surrey.ac.uk/surrey-space-

centre

The Surrey Space Centre is a world leading Centre of Excellence in Space Engineering. Our mission is to create and disseminate knowledge that leads and underpins the progress of space engineering and its applications in the space sector.

Booth: C6; C4

**Swedish National Space Agency** 



Email: elisabeth.ernerot@springtimeintellecta.se

The Swedish National Space Agency, SNSA, is a central governmental agency under the Ministry of Education and Research. SNSA is responsible for national and international activities relating to space and remote sensing, primarily research and development.

Booth: C8

Swedish Space Corporation - SSC



Contact: Email: Jeremy.gales@sscspace.com Jeremy Gales Web: https://sscspace.com/

SSC - Swedish Space Corporation - is a leading global provider of advanced space services with more than fifty years of experience. We operate Europe's most versatile spaceport and one of the worlds largest global-ground-station networks.

Booth: D3

Swiss Space Office (SSO)



Contact: Renato Krpoun

SWISSto12 SA

Email: renato.krpoun@sbfi.admin.ch

Web: https://www.sbfi.admin.ch/sbfi/fr/home/

recherche-et-innovation/affaires-spatiales.

html

The Swiss Space Office (SSO) of the State Secretariat for Education, Research and Innovation (SERI) develops and implements Switzerland's national space policy at both national and international levels. The SERI heads the Swiss delegation to ESA.

Booth: M17



Email: sales@swissto12.com

SWISSto12 is a leading 3D printing for RF products company

SWISSto12 launched its new product line HummingSat, an agile, powerful & light Satellite.



Booth: D5 **Syrlinks** 

Syrlinks 🚗

Contact: Email: eric.pinson@syrlinks.com Eric Pinson Web: https://www.syrlinks.com/en

Syrlinks, a French company, designs and delivers worldwide RF communication products to address four market segments: Space, Defense, Safety and Time-frequency.

The Space business unit has developed four product ranges: TT&C, Telemetry Transmitters, GNSS and SDR Payload. This meets different market segments in terms of satellite integration (Nano/Cubesat, Micro and Mini satellites) and in terms of applications such as Earth Observation, Satcom, GNSS Services, LEO PNT, Spectrum monitoring, etc. Syrlinks masters the design of reliable product based on COTS (Components-Off-the Shelf) components, enabling cost-reduction for New Space. Its products have been used in many high-profile space missions such as Rosetta, Myriades/Myriades-evolutions, Proba-V, OneWeb Satellites, Pléïades-Neo, Argos Neo, Microscope, etc. Syrlinks works with prestigious clients and partners such as Airbus, OneWeb, the CNES (the French national agency for space studies), the European Space Agency (ESA), Thales Alenia Space, and now Loft Orbital.

More infos at www.syrlinks.com

Tags: #Space #Satellite #Newspace #Transmitter #Syrlinks #TT&C

Booth: G10 **Teledyne Brown Engineering** 

TELEDYNE BROWN ENGINEERING

Email: Jessica.Sanders@Teledyne.com Web: https://www.tbe.com/en-us

Teledyne Technologies is a leader in providing innovative systems, integration, operations and manufacturing solutions. They have supported countless major space initiatives with technology, electronics, hardware and advancements. They continue to support global efforts to explore and further space exploration.

Booth: D2 Telespazio S.p.a

∠ TELESPAZIO

Email: floriana.vizzari@telespazio.com Web: https://www.telespazio.com/en/home

Telespazio, a Leonardo and Thales 67/33 joint venture, is one of the world's leading operators in satellite services. Its activities range from the design and development of space systems to the management of launch services, from in-orbit satellite control to Earth observation, from integrated communications, satellite navigation and localisation services to scientific programmes. Telespazio plays a leading role in the reference markets harnessing technological experience acquired over the years. Since its establishment, the company has participated in major European space programmes such as Galileo, EGNOS, Copernicus and COSMO-SkyMed. In 2021, Telespazio generated sales of EUR 605 million while employing 3,000 people in fifteen c countries.

Booth: C16

Tensor Tech CO., LTD.



Contact: Email: jordan@tensortech.com.tw Jordan Hsieh Web: https://tensortech.com.tw/

Tensor Tech provides customers with a full-stack service for the ACS. From mission design to integration support, the company is a crucial subsystem supplier and consulting team for customers and a close partner for executing projects.

Booth: F4

Thales Alenia Space



Contact: Email: francoise.morvan@thalesgroup.com Françoise Morvan Web: https://www.thalesgroup.com/en

Governments and private industry alike count on Thales Alenia Space to design satellite-based systems that provide anytime, anywhere connections and positioning, monitor our planet, enhance management of its resources, explore our Solar System and beyond.

Booth: H8 The Boeing Company



Email: james.f.may3@boeing.com Web: https://www.boeing.com/

With experience gained from supporting every major U.S. endeavor to escape Earth's gravity, we're designing and building the future of safe, assured space exploration and commercial access – even as we lead the digital transition of the satellite industry for both government and commercial customers around the globe. We're enabling critical research on the International Space Station (ISS) that benefits the future space economy, deep-space exploration and life on Earth; returning crew launch capabilities to U.S. soil with the CST-100 Starliner commercial spacecraft; ensuring successful delivery to Earth's orbit with the United Launch Alliance (ULA) joint venture between Boeing and Lockheed Martin; and building heavy-lift, human-rated propulsion to deep space with the Space Launch System (SLS) rocket that will launch missions on a path to the Gateway cislunar outpost, the moon's surface and Mars. Boeing-built Tracking and Data Relay Satellites (TDRS) provide high-bandwidth communications between Earth-orbiting spacecraft and facilities on the ground. We also design and build advanced space and communications systems for military, commercial and scientific uses, including advanced digital payload, all-electric propulsion and 3D manufacturing capabilities for spacecraft that can operate in the geosynchronous. medium-Earth-orbital or low-Earth-orbital planes. We're using innovative manufacturing practices, and simplifying and reducing the complexity of Boeing satellites.

Booth: J6

ThrustMe



Email: contact@thrustme.fr Web: https://www.thrustme.fr/

ThrustMe is a one-stop shop provider of in-orbit mobility solutions for customers worldwide. It offers a portfolio of disruptive propulsion solutions design for the new industrialized space era. The company made the worlds first demonstration of an iodine-fueled electric propulsion system in space - an achievement the space industry has tried to reach for 60 years! It is now delivering solutions to major constellation players and has set up an industrial production line in the outskirt of Paris.

Booth: M19

Thunderbird School of Global Management - Arizona State University

THUNDERBIRD Arizona State

Email: admissions.tbird@asu.edu

Thunderbird prepares global leaders and managers equipped with the digital global mindset and hands-on experience that organizations around the world demand in order to seize the immense opportunities arising from this era of technological transformation. Our graduate programs prepare students for global leadership positions in the private, public and not-forprofit sectors as we all as start-ups and social enterprises. By harnessing the potential of the Fourth Industrial Revolutions. we Thunderbird prepares professionals who can help organizations navigate digital transformation and constant disruption in order to advance equitable and sustainable prosperity and peace.

Booth: C13; C17; B11;

Turkish Space Agency



Email: international@tua.gov.tr Web: https://tua.gov.tr/en

Turkish Space Agency (TUA); is a state authority responsible for the preparation of the strategic plans governing the medium and long term goals on space technologies, basic principles and approaches, objectives and priorities.

Booth: H3

**UAE Space agency** 



Booth: B35

**UK Industry Booth** 

Email: info@bis-space.com

Booth: F1

**UK Pavilion** 

Contact: Email: info@ukspaceagency.gov.uk Jordan Hsieh Web: www.ukspaceagency.gov.uk

The UK Pavilion, hosted by the UK Space Agency, brings together SMEs from across the United Kingdom and government bodies responsible for the delivery of our National Space Strategy to showcase the best of the UK space sector.



Booth: G14 Unistellar

UNISTELLAR

Contact: Email: laetitia.vie@unistellar.com Laetitia Vie

Web: https://unistellaroptics.com/evscope2-fr-fr/

Unistellar is the company behind the world's most powerful and simple-to-operate smart telescopes, the eVscopes. In partnership with institutions like SETI Institute, its community of 10,000 users has already contributed to major space

Booth: C34 UNIVERSEH

UNIVERSEH

Web: https://universeh.eu/

UNIVERSEH is an Alliance of five European Universities, with the ambition to create a new key pillar of space innovation, entrepreneurship and collaboration in Europe.

United Nations Office for Outer Space Affairs (UNOOSA) Booth: A26

UNITED NATIONS

Email: oosa@un.org

Web: https://www.unoosa.org/

sprzedaz@technologpark.pl

office@universeh.eu

The United Nations Office for Outer Space Affairs (UNOOSA) works with the space sector to maintain a stable and secure space environment. We do this by promoting the responsible, sustainable and peaceful use of space, raising awareness about the international space treaties and by working with all nations to help them harness the power of space for sustainable development. UNOOSA serves as the secretariat for the UN Committee on the Peaceful Uses of Outer Space (COPUOS), the intergovernmental body dedicated to developing space policy at the UN level, as well as for the International Committee on Global Navigation Satellite Systems, and the Space Mission Planning Advisory Group. The Office is also responsible for maintaining the UN Register of Objects Launched into Outer Space.

Booth: D24 Unseenlabs



Contact: Email: cannelle.gaucher@unseenlabs.fr Cannelle Gaucher Web: https://unseenlabs.space/

Unseenlabs is an innovative company of French origin and a leader in satellite radio frequency (RF) geolocation of ships at sea. Its proprietary onboard satellite technology is capable of geolocating any vessel at sea, from a single nanosatellite. Today, the company owns the most developed RF satellite constellation for Maritime Domain Awareness in the world.

Booth: G11C Women in Aerospace Europe



Women In Aerospace Europe (WIA-Europe) is a non-for-profit organisation, committed to promoting talent and leadership across all levels of the European aerospace sector. Our mission is to be the platform for the aerospace profession to promote diversity and excellence; to help the aerospace professionals and their organisations succeed; to attract the next generation of women and men to work in the aerospace sector.

Booth: G10B **Wroclaw Technology Park** 



Wrocław Technology Park is the largest business institution of this type in Poland, in terms of the number of companies operating in its area. Their diversity is proof for us that the WPT offer is adapted to the needs of various types of business, operating on every scale.

Email:

WPT is a perfect place of operations for companies, entrepreneurs and scientists from the research and development sector, as well as research and development departments. Both startups, enterprises from the SME sector as well as large international companies will find their place here.

We have innovative companies, entrepreneurs and scientists from the research and development sector, as well as companies that locate their R&D departments here. We have a place for start-ups, companies from the SME sector, as well

At Wroclaw Technology Park we believe that the future must be designed. This is the best way not only to develop, but also to use the potential that comes with the energy, know-how and creativity that overflows in Wrocław and its residents. We encourage you – let's do it together!

Booth: K12

Zero-G



Contact: Email: jack@gozerog.com Jack O'Neill Web: https://www.gozerog.com/

The Zero-G Experience® is not a simulation—it's real life, minus gravity. Our specially modified Boeing 727 flies in parabolic arcs to create a weightless environment, allowing you to float, flip and soar as if you were in space.

Booth: Amazon



Azista BST Aerospace Booth:



Contact: Email: segert@berlin-space-tech.com https://www.berlin-space-tech.com/ Tom Seaert Web:

Azista BST Aerospace is a joint venture between Azista Aerospace and Berlin Space Technologies that enables mass manufacturing of small satellites

Booth: **Blue Origin** 



Email: mwidlake@blueorigin.com Web: www.blueorigin.com

Booth: Chinese Society of Astronautics



CLS Booth:



Web: www.cls.fr

CLS is a global company and pioneer provider of monitoring and surveillance solutions for the Earth, created in 1986. We are subsidiary of the French Space Agency (CNES) and CNP, an investment firm. Our mission is to create innovative spacebased solutions to understand and protect our planet and to manage its resources sustainably.

CLS employs 900 people at our headquarters in Toulouse (France) and in 34 other sites around the world.

The company works in five strategic markets:

- sustainable fisheries management,
- environmental monitoring,
- maritime surveillance,
- fleet management
- and energy & infrastructures

CLS processes data from 100,000 transponders per month (such as drifting buoys, animal tags, VMS transponders, & LRIT tracking) and observes the oceans and inland waters (more than 20 instruments onboard satellites daily deliver information to CLS on the world's seas and oceans). In addition, we monitor land and sea activities by satellite (nearly 10.000 radar images and several hundred drone flights are processed each year). The CLS Group had revenue of nearly 140 million Euros in 2020. Committed to a sustainable planet, the company works every day for the Earth, from Space.

**CVA - Community of Ariane Cities** Booth:



Email: cva@ariane-cities.com

Founded in 1998 as a non-profit association, the Community of Ariane Cities (CVA) brings together European cities – referred to as Ariane Cities – and partner industrial firms working in European space transportation. The CVA enables them to strengthen their cooperation, keep elected representatives and citizens informed about space activities in Europe and help train future space sector professionals.

Czech Aerospace Research Centre



Email: space@vzlu.cz

Czech Aerospace Research Centre (VZLU) is the Czech national centre for research, development, innovations, and testing for the aerospace industry. Its mission is to build knowledge and solutions in aeronautical and space technologies, thus contributing to expanding knowledge and competitiveness in the aerospace industry. It is one of the oldest institutions of its kind globally. VZLU is a member of the ESRE, SATA, EREA, IFAR, ICAS, and other associations.





Booth:

**Czech Space** 

Booth:

DASSAULT AVIATION



Booth:

Dinow Inc.



info@dinow.co.jp Email:

Dinow, Inc. is a biotechnology startup. Our core technology is γ-H2AX assay, which can visualize DNA damage in human cells and our goal is to create a society where people can understand the effects of radiation on their bodies more clearly and manage them by themselves using DNA damage assessment technology. Furthermore, we are challenging to create a new medical service for private astronauts.

Booth:

**Emerging Countries of the IAF** 



Email: aroman@aep.gov.py

The Administrative Committee for Emerging Countries and Developing Communities (ACDCEC) provides guidance. recommendations, and related support to the work of the IAF Bureau and the IAF General Assembly in the promotion and involvement of Emerging Countries in the IAF activities supporting these countries to achieve tangible benefits through international cooperation and support of the other IAF committees, IAA, IISL, SGAC, as well as other established space actors in creating a genuinely worldwide space community.

Booth:

**EREMS** 



Email: yohann.ballot@erems.fr

EREMS is a French SME designing and producing electronic equipment and associated software for space and high technology purposes. Endowed with research, engineering, manufacturing and testing services, EREMS has been designing and manufacturing on specifications, and in series, on-board electronic equipments for over 40 years.

Booth:

**ESSP-SAS** 



European Satellite Services Provider (ESSP) is a Pan-European company with extensive experience in operations and service provision of space-based systems. ESSP provides Communications, Navigation and Surveillance (CNS) critical services to

Booth:

**European Commission - DG DEFIS** 



Booth:

**Eutelsat** 



Jet Propulsion Laboratory



Gail.K.Robinson@jpl.nasa.gov Email: Web: https://www.jpl.nasa.gov/

Booth:

Email: info@maxar.com

Web: https://www.maxar.com/

Maxar is a world-leading space technology and intelligence company. We unlock the promise of space help customers solve problems on Earth and beyond.

Booth:

MEDES - Institute for Space Medicine and Physiology



Email: marine.bernat@medes.fr Contact:

Marine Bernat Web: http://www.medes.fr/fr/index.html

The main activities of MEDES are: support to space medicine and physiology for space exploration, clinical research (in its space clinic dedicated to weightlessness simulation studies), space applications and innovations for health.

**Rakia Mission** Booth:



Email: Launch@Rakia-Space.com

The Rakia Mission seeks to show - in real terms - that even the most ambitious visions can be realized.

The objective is not simply to present the outcomes of human space travel, but also to demonstrate the value of rigorous and multidisciplinary thinking, proactive planning, clear-headed execution, inclusive management and purposeful collaboration.



Contact: Email: geffen@skyline.earth

**Skyline Celestial** 

Maxar

Skyline Celestial is a company working on putting the tools to explore space in the hands of every man, woman and child. We build the world's most powerful mass-produced satellites, at prices an individual can afford. May the stewardship of space be a task all can do to their heart's desire.

Booth:

Booth:

SPACE BD Inc.



Email: m.lee@space-bd.com

Space BD is the leading Japanese Launch Service Provider, as well as a business development firm that aims to develop a world-class industry. We are here to lead and guide people who has an intention to start / expand their business in space. Our core services includes; one-stop satellite launch service, ISS experimental platform service, capacity building programs

Booth:

**Space Generation Advisory Council** 



Email: info@spacegeneration.org

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) organisation and network which aims to represent university students and young space professionals ages 18-35 to the United Nations, space agencies, industry, and academia. The SGAC network of members, volunteers and alumni has grown to more than 20,000 members representing more than 165 countries.

SGAC was conceived at UNISPACE III in 1999, whereby states resolved, 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 and vigour of youth in advancing humanity through the peaceful uses 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.

## Booth: Space Renaissance International LUNEX MMAARS EuroSpaceHub

Email: foing@strw.leidenuniv.nl

Space Renaissance International LUNEX MMAARS is a platform for collaboration and joint projects developing a renaissance for human development in Space, Moon and Mars for the benefits of Earth, and training next generations for research to prepare for it

With SRI Space Renaissance International non-profit organization with a global membership, our mission is getting humanity off-world, not just astronauts engaged in pioneering exploration, but humanity, en masse. We work for the establishment of an interplanetary society, with long-term aspirations for humanity to become an interstellar civilization. (https://spacerenaissance.space)

LUNEX Lunar Explorers Society is an international, non-profit space advocacy organization with a worldwide member base. Lunex works to promote the exploration of the Moon for the benefit of humanity, through a permanent presence of humans on the Moon. The Moon is the next and most important step in the human exploration of the solar system, and Lunex is dedicated to help humans return permanently to the Moon through furthering international cooperation, outreach activities and informing the general public. In pursuing this aim we hope to bring the best of humanity to the Moon, and to bring the benefits of the Moon to all people on Earth through a sustainable exploration process. Our Prime objectives are: To raise awareness of what could be achieved by returning to the Moon through educational and outreach activities. We want to reach as many people as possible, world-wide, to explain our cause and its benefits to humanity; To promote international cooperation between scientists working on Lunar missions by providing a neutral platform for their discussions (https://lunarexplorers.net/)

MMAARS Mars-Moon Astronautics Academy & Research Science is a vanguard in commercial analog astronautics for human space exploration, training the Next-Gen professionals to acquire practical hands-on skills and knowledge to enter the New Space era. (https://www.mmaars.com)

Booth: Space: Science & Technology, a Science Partner Journal

Booth: SpaceBuzz: 'launching' generations worldwide into space

Contact:Email:janine@spacebuzz.earthJanine GeijsenWeb:www.spacebuzz.earth

An award winning outreach & education program. Inspiring and teaching generations worldwide about space, technology (STEAM), sustainability and planet Earth. SpaceBuzz takes them on a journey they will never forget...

Booth: University of Nebraska College of Law

#### Booth: Way4Space



Email: <a href="mailto:hello@way4space.com">hello@way4space.com</a>
Web: <a href="mailto:www.way4space.com">www.way4space.com</a>

The Inspiration & Innovation Hub, Way4Space's ambition is to build and accelerate knowledge, new technologies and future spatial applications.

Based in Nouvelle-Aquitaine, France, Way4Space aims to foster transversality between sectors, driving prominent thinkers to explore and develop new projects and ideas.

Way4Space's goal is to gather group-wisdom and open up new avenues to Space!

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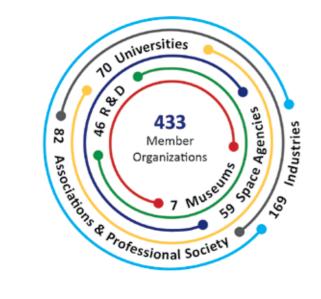








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- ✓ Participate in the IAF Committees in charge of defining the Technical Programme
- ✓ Propose to host a Plenary Event during the IAC
- ✓ Propose a Global Networking Forum (GNF) Event to showcase your organization's latest achievements or to discuss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

### JOIN US

1



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



2



Complete the Application Form and attach the requested documents.





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

4 9

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



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





**Final approval** by the General Assembly during the IAC.





The Swedish National Space Agency is a central governmental agency under the Ministry of Education and Research. We are responsible for national and international activities relating to space and remote sensing, primarily research and development.

Please join us and representatives from the Swedish space sector, academia and industrial partners, at the Swedish pavilion located in the Exhibition area, C4 and C6.

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