

NEWSLETTER

INDIAN SPACE ASSOCIATION



EXPLORING THE FINAL FRONTIER:

ISpA Newsletter Unveils Future of Sustainable Space Exploration"



Welcome to **ISpA Newsletter**, a trusted conduit for illuminating the latest strategic endeavours, technological innovations, and industry insights shaping the future of sustainable space exploration.

HIGHLIGHTS OF THE MONTH

- Indian DefSpace Symposium 2024 organized by Indian Space Association
- Dhruva Space set for galactic growth, announces INR 123 Crores (USD 15 million) funding for Series A round
- CDS asks Military & DRDO to work with startups to get cutting-edge space tech to reduce gap with adversaries
- Defence space startups need boost in support from forces, industry to hit higher orbit
- Explained: The new highway GNSS tolling system being implemented soon in India
- Bengaluru Traffic Police signs MoU with this desi Google Maps (MapMy India)rival for real-time traffic updates
- DoT to finalise Terms of Reference for satellite spectrum in few weeks
- Indian-origin astronaut Sunita Williams set for third space mission
- Space weather alongwith other factors caused an unprecedented loss of 38 Starlink satellites: Study
- China launches 3-member crew to its space station as it seeks to put astronauts on the moon by 2030

MEMBERS BULLETIN

EUTELSAT ONEWEB

- Eutelsat & British Antarctic Survey (BAS) bring LEO satellite services to Antarctica to support scientific activities & staff connectivity.
- Eutelsat OneWeb's service launched in January 2024, providing connectivity to BAS's Rothera Research Station.
- The service offers significantly increased reliability and data rates up to 120 Mbps.
- Hughes Network Systems releases the Hughes HL1120W Terminal, approved for operation within Eutelsat OneWeb's LEO satellite network.
- This flat panel ESA terminal extends enterprise-grade, low-latency, high-speed connectivity globally.
- Taiwan's Ministry of Digital Affairs (MODA) partners with Chunghwa Telecom to leverage LEO satellites for disaster communication.
- Eutelsat OneWeb's satellite technology deployment marks a significant milestone for Taiwan's disaster response capabilities.
- MODA plans to establish a OneWeb testing center in Taiwan by 2025, aiming to integrate local manufacturers into OneWeb's supply chain.



AGNIKUL

- Agnikul Cosmos, the Chennai-based space start-up, demonstrated resilience despite postponing the launch of its Agnibaan rocket.
- The company's commitment to safety and technical excellence is evident as it prioritizes resolving the issues before lift-off.
- Agnibaan's innovative technology, including a semi-cryogenic engine and 3D-printed components, showcases their strides in space exploration.
- Agnikul is dedicated to pioneering advancements in rocket technology heralding a promising future for the Indian space industry.
- Despite the setbacks, Agnikul's perseverance instills confidence in the potential for a successful launch in the near future, underscoring their unwavering commitment to pushing boundaries in space exploration.



DHRUVA SPACE

- Dhruva Space, concludes a Series-A funding round worth Rs 123 crore (\$15 million approx.).
- Key investors include Indian Angel Network Alpha Fund, Blue Ashva Capital, Silverneedle Ventures, BIG Global Investment JSC (BITEXCO Group), IvyCap Ventures, Mumbai Angels, and Blume Founders Fund.
- Secures Rs 14 crore venture debt from Technology Development Board (TDB) for commercializing a space-grade solar array fabrication and test facility.
- Dhruva aims to become one of the seven global companies manufacturing spacecraft solar arrays.



MEMBERS BULLETIN



ELENA GEO SYSTEMS

- Elena Geo Systems, a NavIC product manufacturing company, unveils groundbreaking contributions at the 2nd Indian DefSpace Symposium.
- Founded in 2012 by Lt Col V S Velan, Elena Geo Systems specializes in NavIC-based Monitoring Solutions.
- Elena Geo Systems showcases its latest NavIC processor/chip, ELNCEIA, featuring cutting-edge 12-nm technology for superior navigation & positioning capabilities.
- The ELNCEIA processor offers unparalleled performance, versatility, & adaptability for defense space applications.

HUGHES

- Hughes Network Systems released the HL1120W flat panel antenna for the Eutelsat OneWeb network.
- It's an electronically steerable antenna-based terminal for enterprise and government use.
- Self-aligning with built-in modem, it operates out of the box.
- Offers high-bandwidth, low-latency communication over Eutelsat OneWeb Ku-band LEO satellite network.
- Collaboration with Eutelsat OneWeb aims to bring reliable LEO connectivity to remote areas.



KALEIDEO

- KaleidEO Space Systems, the Bengaluru-based startup who is a subsidiary of SatSure Analytics India, completed the successful aerial testing of its high-resolution optical EO payload.
- The milestone positions KaleidEO as one of India's first private companies to develop such advanced technology.
- Testing, conducted over in the UK & Austria with the Global Assistant & Logistic Group, validates payload functionality & stability.
- The upcoming satellite version is expected to capture 1m resolution images globally, revolutionizing applications in various sectors.
- This achievement establishes KaleidEO & SatSure Analytics as a full-stack Earth observation company globally.



MEMBERS BULLETIN



SKYROOT AEROSPACE

- ISRO chief Dr S. Somanath visited Skyroot Aerospace's MAX-Q headquarters.
- He was briefed on developments of the Vikram-I launch vehicle expected to launch in Q3 2024.
- ISRO and private sector collaborations are driving India's space ambitions.
- Dr Somanath toured the MAX-Q facility and saw Vikram-I hardware.
- Skyroot aims to launch small-lift vehicles for the small satellite market.
- Discussion included Skyroot's upcoming orbital launch.
- Skyroot successfully test-fired the second stage engine of Vikram-I, named Kalam-250, in March 2024 at SDSC.

ISpA AFFILIATE

Exciting news! The Indian Space Association (ISpA) is thrilled to announce that applications for affiliation in our dynamic space community are now live and open!

Are you passionate about space exploration, education, or industry advancement? Whether you're an individual with expertise in space-related fields, a dedicated space enthusiast, or an institutional entity involved in space education and research, we invite you to join us in our mission to advance the space sector in India.

By becoming an ISpA Affiliate, you gain access to a platform for collaboration, knowledge sharing, and engagement within the space community, both locally and globally. It's an opportunity to contribute to the growth and development of the Indian space industry while connecting with fellow enthusiasts and experts.

To express your interest in affiliating with ISpA, simply scan the QR code or follow the link provided in this newsletter. Ensure all details are accurately filled out, as applications will be reviewed by the ISpA Membership Committee and Executive Council for approval.

Thank you for considering affiliation with ISpA. We're eager to welcome you into our community and collaborate with you to shape the future of space exploration and industry in India.



**INDIAN
SPACE
ASSOCIATION**

Bhumandal Se Brahmaand Tak



REGISTER NOW

Looking for ISpA Ambassador!
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ISpA AFFILIATE

**EXPRESS YOUR INTREST IN
BECOMING AN ISpA AFFILIATE!**



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ISpA's Space
Journey**

Whether you are:

An Expert: With a deep understanding of space-related fields.

An Enthusiast: Whose passion for space knows no bounds.

An Institution: Dedicated to space education, research, or advocacy.

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ispa.space

For more information
SCAN THE ABOVE QR CODE



United Service Institution (USI) Building, Ground Floor Rao Tula Ram Marg (Opposite Signals Enclave Shankar Vihar), Delhi Cantonment, New Delhi, Delhi 110010

IspA ACTIVITIES

9TH EC MEETING, APRIL 2, 2024, NEW DELHI

- The Indian Space Association (ISpA) convened its 9th Executive Council Meeting, utilizing a Hybrid Mode format to accommodate maximum participation.
- Chaired by ISpA's esteemed Chairman, Shri Jayant D Patil, the session proved highly productive, fostering discussions on a range of significant topics.



GEOSPATIAL WORLD CAFE LAUNCH & FOUNDATION DAY CELEBRATIONS APRIL 10, 2024, GREATER NOIDA, GHAZIABAD, UTTAR PRADESH

- Lt Gen AK Bhatt (Retd), Director General ISpA, attended the Geospatial World Cafe Launch & Foundation Day Celebrations at The Gaur Sarovar Premier, Gaur City. On their 27th Foundation Day, Geospatial World invited DG, ISpA, to partake in the inaugural session of GW Prime Live.
- The session showcased live discussions led by industry stalwarts, government officials, academia representatives, & end-users hailing from various continents, fostering insightful exchanges on geospatial technologies & their myriad applications.

INDO PACIFIC GEOINTELLIGENCE FORUM ROUNDTABLE DISCUSSION NEW DELHI, APRIL 15, 2024:

- DG ISpA, attended the Indo-Pacific Geointelligence Forum Roundtable Discussion on April 15, 2024. This preparatory discussion set the stage for the forthcoming event scheduled from June 11-12, 2024, at Taj Vivanta, Dwarka, New Delhi.
- Under the theme "Resilient Multi-Domain Regional Security for Land, Sea, Air, Space & Cyberspace," the roundtable aimed to delve into critical discussions concerning the security landscape across various domains. The participation of DG, ISpA, signifies ISpA's commitment to fostering collaboration and strategic dialogues in the realm of geointelligence and regional security.

**INDO-PACIFIC
GEOINTELLIGENCE**



BRAINSTORMING SESSION ON GROUND STATION AS A SERVICE (GSAAS) APRIL 16, 2024:

- DG, ISpA actively participated in a brainstorming session centered on Ground Station As A Service (GSAAS). Held at the IN-SPACE Headquarters, IN-SPACE HQS, Bopal - Gujarat, India on April 16, 2024, this session sought to explore innovative approaches & strategies concerning GSAAS.
- The collaborative exchange of ideas during this session underscores ISpA's dedication to advancing technological frontiers & fostering partnerships to enhance India's capabilities in space-related services.

IspA ACTIVITIES

PERSPECTIVES UNFOLDED: SPACETECH STARTUPS IN INDIA BITS PILANI, APRIL 21, 2024:

- Wg Cdr Satyam Kushwaha (Retd), Director ISpA, lent his expertise to "Perspectives Unfolded: SpaceTech Startups in India" hosted at BITS Pilani in Pilani, Rajasthan.
- The session provided a platform for insightful discussions, including a Q&A segment focused on startups and the pivotal role of ISpA in shaping the landscape of the space industry.
- Delving into the challenges faced by startups in the sector, this engagement highlighted ISpA's commitment to nurturing innovation and collaboration within India's burgeoning space technology ecosystem.



ALLIANCE UNIVERSITY
Alliance College of Engineering and Design

**AU KNOWLEDGE SERIES
INDIA IN THE AEROSPACE
SECTOR BY 2047**

**WEDNESDAY,
APRIL 24, 2024**

4:30 PM TO 5:30 PM

Speaker
LT. GEN. ANIL KUMAR BHATT (RETD.)
PVSM, AVSM, VSM
Director General
Indian Space Association

Moderator
DR. SUDHIR KUMAR CHATURVEDI
Professor & HOD
Department of Aerospace Engineering
Alliance College of Engineering and Design

REGISTER NOW

ALLIANCE UNIVERSITY – AEROSPACE ENGINEERING WEBINAR SERIES 1.0, VC 24 APRIL, 2024:

- Lt Gen AK Bhatt (Retd), DG ISpA, participated in and delivered a keynote address at the Alliance University Aerospace Engineering Webinar Series 1.0. The webinar focused on the AU Knowledge Series: "India in the Aerospace Sector by 2047."
- Moderated by Dr. Sudhir Kumar Chaturvedi, Professor & Head of Department of Aerospace Engineering at Alliance College of Engineering & Design, the session provided a platform for insightful discussions on the future trajectory of India's aerospace sector. Lt Gen AK Bhatt (Retd) shared the vision of the Indian space sector and underscored the critical role of the new generation in realizing the ambitious goals set for the aerospace industry. This engagement epitomized ISpA's commitment to fostering collaboration and knowledge sharing to propel India's aerospace endeavors forward.



18-20 APRIL 2024 INDIAN DEFSPACE SYMPOSIUM MANEKSHAW CENTRE, NEW DELHI, INDIA



The Indian Space Association (ISpA) hosted the 2nd Indian DefSpace Symposium at Manekshaw Centre, New Delhi from April 18th to 20th, 2024.

The event brought together key figures from the Indian military, space agencies, private industry, and academia to discuss advancements and future strategies in India's defense space capabilities.





18-20 APRIL 2024

INDIAN DEFSPACE SYMPOSIUM

MANEKSHAW CENTRE, NEW DELHI, INDIA



DAY 1

Session 1: DefSpace Challenges: Update & Future

- This session provided updates on the "Mission DefSpace Challenges" initiative, designed to stimulate domestic innovation in defence space technology.
- A special address by Lt Gen Vineet Gaur, DG (Capability Development), and presentations from industry leaders like Shri Vivek Virmani (DIO) and Mr. Navneet Singh (Kepler Aerospace) offered insights into current challenges and future directions.
- A dedicated session focused on building a robust Indian defence space architecture, aligning with the national space strategy.

Session 2: China's Defence Space Capability: Review & Strategy

- Experts analysed China's growing space military capabilities and discussed strategies for India to counter them effectively.

DAY 2

Session 1: National Space Security Policy

- This session explored the development of a national space security policy for India. Panellists like Dr Ranjana Kaul (Dua Associates) and Mr Nitish Suri (DGFT) discussed legal frameworks and international collaborations.

Session 2: Space Security & Sustainability Strategy for meeting future challenges

- Discussed the role, challenges, and implementation of cutting-edge technologies (robotics, OOMR, DEW, quantum, AI) for improving space security and sustainability, with a focus on space situational awareness (SSA), space traffic management (STM), and India's support for international initiatives.

Session 3: Emerging ISR Capabilities & Digital Space Infrastructure

- Discussions focused on advancements in Intelligence, Surveillance, and Reconnaissance (ISR) capabilities and the development of a secure digital space infrastructure.

Session 4: Enabling Secure, Reliable, and Seamless Communication & PNT to support Battlespace Requirements

- This session addressed the need for secure and reliable communication and positioning, navigation, and timing (PNT) systems for military operations.

DAY 3

Session 1: Energising Comprehensive National Capability to Support Defence Space Industry

- Discussions centered on fostering a robust domestic ecosystem to support the Indian defense space industry. Participation from figures like Prof Manan Suri (IIT Delhi) and Mr Awais Ahmed (Pixxel) offered valuable industry perspectives.

Session 2: Indo-French Opportunities in Space

- This session explored avenues for collaboration between India and France in space exploration and defense.

Session 3: Opportunities for Transcontinental Cooperation & Emerging Frameworks for Space

- Discussions covered potential areas for collaboration with other countries and the development of new frameworks for international cooperation in space.

TABER CONFERENCE ROOM (DAY 3, APRIL 20)

ISpA Nasscom Start-Up Investor Day

- This event aimed to connect space tech startups with potential investors, fostering innovation in the sector.
- ISpA-Nasscom Roundtable: Challenges in the SpaceTech Startup Ecosystem
- A roundtable discussion addressed the challenges faced by startups in the space industry and explored potential solutions.

KEY PERSONALITIES AND GUESTS

The symposium featured prominent figures from across the Indian defence and space sectors.

The 2nd Indian DefSpace Symposium served as a crucial platform for fostering collaboration and innovation in India's defense space sector.

The event's focus on critical issues like national security, emerging technologies, and industry development paves the way for India's continued advancement in space exploration and defense.



18-20 APRIL 2024 INDIAN DEFSPACE SYMPOSIUM MANEKSHAW CENTRE, NEW DELHI, INDIA



ISpA IN NEWS

Indian DefSpace Symposium 2024 organized by Indian Space Association

18 Apr 2024
DD India

India will unravel the mysteries of space, the final frontier for national defence: CDS General Anil Chauhan

18 Apr 2024
The Economic Times

India's Ambitious Leap in Space Commerce and Defence

18 Apr 2024
Geospatial World

Must be ready as space will influence air, land & maritime battles: CDS

18 April 2024
The Times of India

Direction For Indian Space Sector

18 Apr 2024
Geospatial World

India one of few countries to have created complete space ecosystem: Chief of naval staff

18 Apr 2024
The Statesman

CDS asks military, DRDO to work with startups to get cutting-edge space tech to reduce gap with adversaries

18 Apr 2024
ANI News

Traditional boundaries of land, sea, air, cyber getting blurred: IAF chief

19 Apr 2024
Business Standard

"Despite challenges, our scientists shown that Bharat can be the Space Ace": Admiral Hari Kumar

18 Apr 2024
ANI News

ISpA & Starburst form a new association; will help Indian space economy

21 Apr 2024
The Financial Express

"Day not far when India will become provider of services to other nations": CDS Anil Chauhan

18 Apr 2024
ANI News

India's defence, naval officials, space industry call for deeper collaborations with academia, startups

19 Apr 2024
ET Satcom

Scientists have shown India has will, wisdom, wherewithal to be 'ace in space': Admiral R Hari Kumar

18 Apr 2024
Deccan Herald

2nd Indian DefSpace Symposium Facilitates Collaboration between Defence, Space Sectors

22 Apr 2024
Force Magazine

Space will cast its influence on air, maritime and land domains: Chief of defence staff

19 Apr 2024
The Indian Express

Unlocking the Synergy Between Indian DefSpace Technology and Startups

22 Apr 2024
DataQuest

Defence space startups need boost from forces, industry to hit higher orbit

18 Apr 2024
Business Standard

NATIONAL NEWS



NATIONAL NEWS

Gaganyaan Mission: Indian Space Programme's Stepping Stone Into Future

01 Apr 2024
Outlook India

Why is specialised coating essential for the delayed NISAR mission's antenna?

01 Apr 2024
The Week

Reliance Jio pushes against satellite spectrum allocation for fixed wireless access services: Report

01 Apr 2024
MediaNama

Coimbatore aerospace firm delivers payload to ISRO for GSLV MK-III mission

03 Apr 2024
Moneycontrol

India should aim to capture 20 per cent of space ecosystem: Indian space scientist AS Kiran Kumar

03 Apr 2024
The News Indian Express

"Let's Not Build Hell On Far-Off Planet": Rakesh Sharma On Space And Peace

02 Apr 2024
NDTV

SatSure, a Space Tech Startup, Has Secured Funding to Improve Credit Access for the Agricultural Sector

02 Apr 2024
Business Outreach Magazine

"Has Always Favoured Indian Success": Russia Lauds India's Space Sector

04 Apr 2024
NDTV

Russian envoy Denis Alipov extends wishes on 40th anniversary of India's first space flight

03 Apr 2024
ANI News

India's private space sector boom and ISRO's role | Explained

03 Apr 2024
The Hindu

"From a shared platform to an independent mission", India's Giant Leap in Space

03 Apr 2024
The Financial Express

Small steps giant leaps

03 Apr 2024
The New Indian Express

How India is Unlocking Its Potential with AI, Space Tech, Cryptography & Start-Ups

03 Apr 2024
News18

Lakshmi Machine Works hands over major component of launch vehicle to ISRO

03 Apr 2024
The Economic Times

40 years on, a trip back into space

05 Apr 2024
The Telegraph

2 UTU institutes become state's 1st Isro nodal centres

05 Apr 2024
The Times of India

DoT Reschedules Spectrum Auction to June 6

04 Apr 2024
Telecom Talk

Trai seeks opinions from stakeholders on spectrum auction for IMT and satellite communication

04 Apr 2024
The Economic Times

TransUnion Takes Minority Stake in SatSure

04 Apr 2024
Geospatial World

VSSUT team selected for Isro's contest in Guj to design small satellite models

08 Apr 2024
The Times of India

Explained: The new highway tolling system being implemented soon in India

07 Apr 2024
The Times of India

Gaganyaan sky show in Jawaharlal Nehru Planetarium, theme on Indian Space Odyssey

07 Apr 2024
The New Indian Express

Life on Mars, the next big bet for Indian women scientists

06 Apr 2024
The Hindu

ISRO's 'zero orbital debris' milestone & the space debris crisis | Explained

08 Apr
The Hindu

BackBack Solar Eclipse 2024: ISRO's Aditya L1 set to track and understand Sun during 'Surya Grahan'

08 Apr 2024
Mint

Chandrayaan-3 team receives 2024 John L. 'Jack' Swigert Jr. Award for Space Exploration

09 Apr 2024
The Economic Times

GUJCOST designated as Nodal Centre for ISRO's START programme

09 Apr 2024
The Hindu BusinessLine

Govt may not allot satcom waves in a rush; to fine-tune rules first

09 Apr 2024
ET Satcom

A small stepway for man, a giant leap for India

10 Apr 2024
The Times of India

Garuda Aerospace receives its first order from ISRO

10 Apr 2024
The Economic Times

NATIONAL NEWS

Isro will launch a European probe that will create solar eclipses on demand

10 Apr 2024
India Today

India's moon mission: ISRO chief S Somanath says 'intend to land on moon in 2040' | Chandrayaan-4

10 Apr 2024
Moneycontrol

RHow the merger of satellite and terrestrial cell services could offer the best of both worlds

10 Apr 2024
SpaceNews

Meet Gopichand Thotakura, the 2nd Indian citizen in space after Rakesh Sharma

12 Apr 2024
The Economic Times

Space startups see funding surge as government spending remains high, report says

11 Apr 2024
The Economic Times

DoT to seek Trai's view on satcom spectrum allocation, licensing process

14 April 2024
Business Standard

IN-SPACe announces CANSAT India Student Competition 2024

14 Apr 2024
The Hindu

BJP's Election Manifesto Locks Eyes On The Moon, Indian Space Station

14 Apr 2024
News18

Entrepreneur and pilot, Gopichand Thotakura is aiming for a place in Indian space history

14 Apr 2024
The Hindu

Spectrum allocation to satcom players caught in the crosshairs

13 Apr 2024
ET Satcom

Musk's Starlink licence application nears India nod as DoT fast-tracks process

12 Apr 2024
Moneycontrol

Why Jio and Airtel would be closely tracking Elon Musk's visit to India this month

12 Apr 2024
Business Today

Space tech: Can India breach new frontiers?

12 Apr 2024
Hindustan Times

India's space programme for civilian applications unique in the world, says former ISRO chairman

15 Apr 2024
The Hindu

Space weather conspired with other factors in the unprecedented loss of 38 Starlink satellites: study

15 Apr 2024
The Indian Express

DoT releases application schedule for 2024 spectrum auctions

15 Apr 2024
The Economic Times

MC Exclusive: India's telecom market structure looks good;

19 Apr 2024
Monrycontrol

Express View on FDI in space: Opening up

19 Apr 2024
The Indian Express

DRDO successfully tests Indigenous Technology Cruise Missile

18 Apr 2024
The Times of India

Ahead of Elon Musk's India visit, a deep dive into the global space market

18 Apr 2024
Forbes India

Need regulatory framework for financial risk coverage of Indian space industry: Report

20 Apr 2024
The Hindu

EAditya solar mission continuously sending data about Sun: Isro chief

21 Apr 2024
Business Standard

Bengaluru gets Asia's 1st dedicated Space domain awareness centre

20 Apr 2024
The Times of India

Power games | Musk uses EV clout to enter India's space sector

22 Apr 2024
The New Indian Express

USISPF congratulates India, Space Department for allowing 100 pc FDI in all three sectors of space manufacturing

23 Apr 2024
ANI News

Centre seeks SC clarification on if it could allocate airwaves without competitive action to address 'unanticipated' priorities

22 Apr 2024
The Economic Times

Bengaluru Traffic Police signs MoU with this desi Google Maps rival for real-time traffic updates

22 Apr 2024
The Times of India

Space zone India, a space startup based in Tamil Nadu, is developing a reusable hybrid rocket in India

23 Apr 2024
ANI News

Towards a cleaner orbit: Isro plans for debris-free space missions by 2030

23 Apr 2024
The Times of India

Spectrum auction to continue in India's telecom sector

23 Apr 2024
Republic World

NATIONAL NEWS

DoT seeks SC clarification on spectrum allocation

23 Apr 2024
The New Indian Express

'Cabs to get into space': How this Indian startup wants to revolutionize satellite space travel

23 Apr 2024
CNN

SIA-India and ISAC forge alliance to strengthen space cybersecurity standard

23 Apr 2024
The Financial Express

India's space ambitions: Market forces are with us

23 Apr 2024
Mint

Gaganyaan: Isro to conduct big integrated drop test of crew module

23 Apr 2024
India Today

Spectrum matter in SC will not affect satellite services plan

25 Apr 2024
The Financial Express

DoT to finalise terms of reference for satellite spectrum in few weeks

24 Apr 2024
Business Standard

Govt favours level playing field in telecom amid satcom entry

24 Apr 2024
The Economic Times

Essence of Chandrayaan-3 extends beyond mere call to embrace space studies: ISRO chief S Somanath

24 Apr 2024
Deccan Herald

Gaganyaan and beyond: India's baby steps into the big interstellar dream

24 Apr 2024
India Today

Satellite communication, which plays a huge role in connecting regions has not developed as fast as it needed to

25 Apr 2024
The Hindu BusinessLine

Allot or auction satellite telecom spectrum? Signal clarity, please

29 Apr 2024
Mint

India should define world-leading spectrum roadmap for future telecom networks: GSMA

29 Apr 2024
ET Telecom

ISRO Chief Says Private Players Will Make Space More Accessible

29 Apr 2024
NDTV

How ISRO used satellite remote-sensing to analyse glacial lakes in Himalayas

28 Apr 2024
The Indian Express

ISRO to test Gaganyaan parachutes by dropping module from chopper

30 Apr 2024
The Indian Express

ISRO delayed Chandrayaan-3 launch by 4 seconds to dodge space debris, report says

29 Apr 2024
Deccan Herald

ISRO releases ISSAR 2023 report on vulnerability of space assets to collisions

29 Apr 2024
The Economic Times

INTERNATIONAL NEWS



INTERNATIONAL NEWS

USA

SpaceX launches Eutelsat 36D, lands booster on seventh reuse anniversary

01 Apr 2024
Space News

Lunar farming: Artemis III astronauts will cultivate plants on the Moon's surface for the very first time!

03 Apr 2024
Business Insider India

Indian scientists reveal why 38 SpaceX satellites crashed in 2022

10 Apr 2024
India Today

Nasa's solar sail is ready to fly in space without air

11 Apr 2024
India Today

Elon Musk to announce affordable Starlink internet service during India visit, will it impact country's digital future? Know

11 Apr 2024
Zee Business

Musk's satellite business Starlink gets in-principle government nod

16 Apr 2024
The Times of India

Tesla's Elon Musk postpones India trip, aims to visit this year

20 Apr 2024
Reuters

Indian-origin astronaut Sunita Williams set for third space mission

24 Apr 2024
The Indian Express

Amazon yet to finalise application for satcom licence for Project Kuiper

25 Apr 2024
Moneycontrol

CHINA

Nasa chief: China is hiding military presence in space

April 20
Times Of India

China Sends 3 Astronauts To Space Station For 6-Month Stay

25 Apr 2024
NDTV

China launches 3-member crew to its space station as it seeks to put astronauts on the moon by 2030

April 26
thehindu

China set to launch high-stakes mission to moon's 'hidden' side

April 28
Reuters

OTHER NATIONS

Mitsubishi Joins Starlab Space Joint Venture

04 Apr 2024
Via Satellite

2nd Spy Satellite Successfully Placed In Orbit, Says South Korea

8 Apr 2024
NDTV

Russia aborts launch of heavy-lift Angara A5 space rocket

09 Apr 2024
The Times of India

Russia Successfully Launches First Angara-A5 Space Rocket From Far East Cosmodrome

11 Apr 2024
The Times of India

JOB OPENINGS

 G N I K U L


Azista

BELLATRIX 
AEROSPACE

DHRUVA
SPACE

DIGANTARA


GALAXEYE

 Kawa Space

pixxel



SKYROOT
AEROSPACE

 SkyServe

SATSURE

 TSC

 XOVIAN®
॥ आ सा द य भ वा न्न ॥

GOVERNMENT POLICIES/ CONSULTATIONS/ RECOMMENDATIONS/ ANNOUNCEMENTS

- **Consultation Paper on Inputs for formulation of National Broadcasting Policy-2024**
<https://www.trai.gov.in/release-publication/consultation>
- **Consultation Paper on Auction of Frequency Spectrum in 37-37.5 GHz, 37.5-40 GHz, and 42.5-43.5 GHz bands Identified for IMT**
<https://www.trai.gov.in/release-publication/consultation>

UPCOMING EVENTS

Dates	Events	Venue
24th May	USFCS-USIBC Indian Commercial Space	Banglore
15th May	Geospatial World Forum	Rotterdam
27-28th May	IAFI Space Policy Conference 2024 (ISPC 24)	New Delhi
6th June	IN-SPACE Industry Day 4.0	Ahmedabad
June last week	ISpA Members Meet	New Delhi
23-24th July	ISpA 3rd Annual Gen Meeting	USI Non Delhi
7-10th October	GIFAS Delegation Visit	Delhi-Hyderabad-Banglore
14-18th October	International Astronomical Conference	Milan
15-19th October	IMC 2024	New Delhi
5-7th November	ISpA 3rd Indian Space Conclave	New Delhi

CALL FOR NEW MEMBERSHIP

ISpA is an apex non-profit industry body, set up exclusively for the successful collaborative development of the Private Space Industry in India.

- Participate in policy advocacy
- Networking and publicity opportunities
- Plethora of opportunities to advance your Business in Space Sector
- Multisectoral Partnerships
- Engagement with industry and defence experts via diverse platforms
- Access to industry-related information via reports and newsletters
- Be a part of ISpA Committees to bring expertise & interests and to guarantee the holistic development of the space sector.

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For Member ship: Ms Aditi (aditi@ispa.space, +91 8437985777)