

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

- UGC Releases Weblinks For Accessing Content For National Space Day
- ISRO chairman unveils plans for space experiments, moon missions
- French Air and Space Force to take part in Tarang Shakti exercise in Tamil Nadu
- IN-SPACE to help NGE build, operate communication satellite
- ISRO launched 397 foreign satellites since 2014, generating 442 million USD revenue
- India to set Space Station by 2035, land human on Moon by 2040: Dr Jitendra Singh
- ISRO Chairman launched AICTE Model Curriculum for Space Technology to Inspire Next-Gen Scientists.
- National Space Day 2024
- For every dollar, India's space sector has given back \$2.54 to the economy: Report
- "India's \$13 Billion Space Investment Generates \$60 Billion GDP Impact, Novaspace Report Reveals"
- ISRO releases Chandrayaan-3 data to global scientific community; check key details of the mission
- China Rocket Breaks Apart, Ends Up as 300-Piece of Space Junk After Satellite Constellation Launch

MEMBERS BULLETIN



DHRUVA SPACE

- Dhruva Space has partnered with Singapore-based Zero-Error Systems (ZES) to enhance its onboard computer (OBC) subsystem with advanced semiconductor technology.
- The collaboration will integrate ZES's LDAP-IC-ZES100 semiconductors into Dhruva Space's OBC subsystem, aiming to improve protection against radiation-induced micro-SEL/SEL and enhance performance and reliability.
- Dhruva Space's co-founder and CTO, Abhay Egoor, highlighted that this partnership represents a major advancement in satellite technology, setting new standards for mission versatility and operational reliability.



EUTELSAT ONEWEB

- Eutelsat is in exclusive talks to sell 80% of its ground station-as-a-service business to EQT Partners of Sweden, aiming to create the world's largest operator-neutral ground station service company.
- The transaction involves carving out ground segment infrastructure worth approximately 790 million euros (\$863 million), including land, buildings, antennas, and other passive assets.
- The move follows recent interest from external investors looking to establish a network infrastructure investment specialist, akin to models in terrestrial telecoms.



GALAXEYE

- GalaxEye secured \$6.5 million in its first funding round, led by Mela Ventures and Speciale Invest, with additional contributions from ideaForge, Rainmatter, Navam Capital, Faad Capital, and Anicut Capital.
- The funds will be allocated to launching GalaxEye's first satellite, 'Drishti Mission', and advancing the development of its multi-sensor payload technology.
- GalaxEye aims to launch the 'Drishti Mission' satellite around mid-2025, and is focused on building a skilled team to support this milestone.
- Pranit Mehta, co-founder GalaxEye said they intend to launch their own constellation of satellites next year.

MEMBERS BULLETIN

HUGHES

- Thaicom and Hughes announced Wednesday that they signed a capacity agreement for India, one of Asia's biggest markets
- IPSTAR India will provide satellite capacity services to Hughes in India via Thaicom's satellite network
- This will enable Hughes Communications India (HCI) to enhance its satellite broadband, mobile backhaul, maritime and satellite IoT services to meet the growing and varied demand for satellite services in India
- The two companies hope this strategic partnership will represent a significant milestone in the development of satellite communications, boosting India-focused capacity for satellite broadband and related services.



PIXXEL

- Pixxel has launched Aurora, an Earth Observation (EO) studio, designed to make remote sensing analysis more accessible by helping users access, interpret, and utilize EO data.
- Aurora includes a comprehensive archive of open-source and commercial remote sensing datasets and will integrate Pixxel's hyperspectral imagery by the end of 2024.
- The platform features a no-code environment with a marketplace for ready-to-use models and indices, allowing users to visualize, compare, and customize satellite imagery and analytical models.





ISRO

INDIAN SPACE RESEARCH ORGANISATION

EOS-08 MISSION OVERVIEW

EOS-08 is ISRO's latest Earth Observation Satellite, slated for launch by the Small Satellite Launch Vehicle (SSLV)-D3. The primary objectives of the EOS-08 mission include designing and developing a microsatellite, creating payload instruments compatible with the microsatellite bus, and incorporating new technologies required for future operational satellites.

Built on the Microsat/IMS-1 bus, EOS-08 carries three payloads: Electro Optical Infrared Payload (EOIR), Global Navigation Satellite System-Reflectometry payload (GNSS-R), and SiC UV Dosimeter. The EOIR payload is designed to capture images in the Mid-Wave IR (MIR) and Long-Wave IR (LWIR) bands, both during the day and night, for applications such as satellite-based surveillance, disaster monitoring, environmental monitoring, fire detection, volcanic activity observation, and industrial and power plant disaster monitoring. The GNSS-R payload demonstrates the capability of using GNSS-R-based remote sensing for applications such as ocean surface wind analysis, soil moisture assessment, cryosphere studies over the Himalayan region, flood detection, and inland waterbody detection. Meanwhile, the SiC UV Dosimeter monitors UV irradiance at the viewport of the Crew Module in the Gaganyaan Mission and serves as a high-dose alarm sensor for gamma radiation.

The spacecraft mission configuration is set to operate in a Circular Low Earth Orbit (LEO) at an altitude of 475 km with an inclination of 37.4°, and has a mission life of 1 year. The satellite has a mass of approximately 175.5 kg and generates power of around 420 W. It interfaces with the SSLV-D3/IBL-358 launch vehicle.

[click here to read more](#)



- EOS-08 satellite



ISRO

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ISRO CONDUCTS FLIGHT EXPERIMENT OF AIR BREATHING PROPULSION SYSTEM

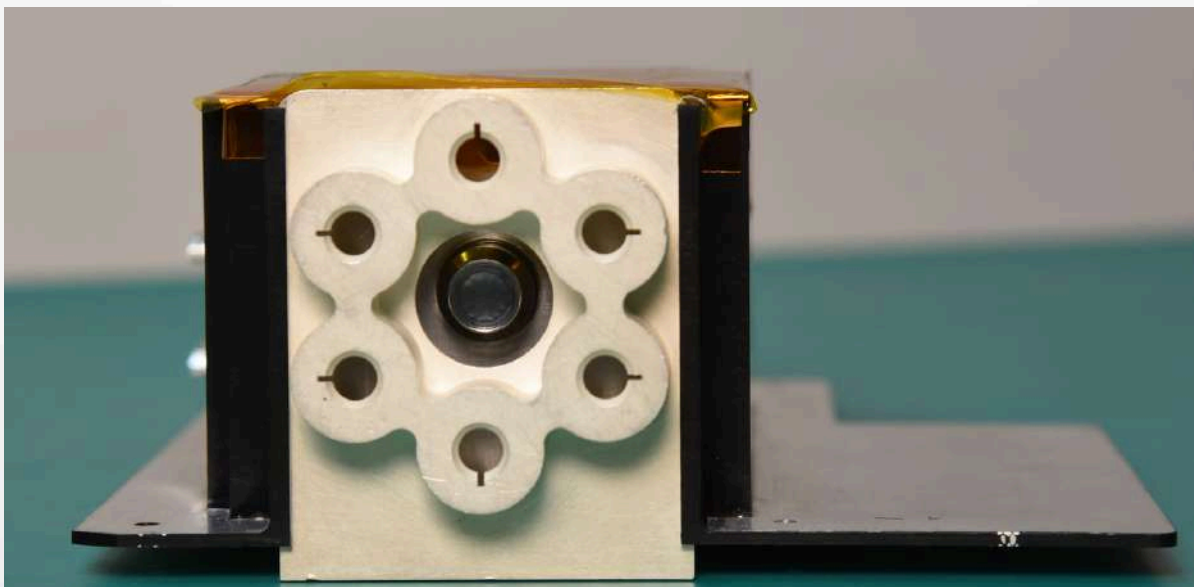
The Chandrayaan-3 mission consisted of a Vikram Lander, Pragyan Rover, and a propulsion module (PM). The lander soft-landed on 23 August 2023 at the southern high latitudes on the Moon. Post-landing, the rover moved around the landing site and covered ~101m distance. All the payloads on the Lander, Rover and Propulsion module were operated and collected in-situ data pertaining to seismicity, thermo-physical properties, plasma environment and elemental composition of the landing region.

Indian Space Science Data Center (ISSDC) is the nodal center for archiving planetary missions' data of ISRO. The Chandrayaan-3 data are available in Planetary Data System-4 (PDS4) standard and are peer reviewed for sharing with global scientific community and general public.

Today, on the occasion of National Space Day - 2024, the science datasets are released to public by the Hon'ble MoS (Space) Dr. Jitendra Singh at New Delhi.

Chandrayaan-3 datasets are now available on PRADAN (Policy based data Retrieval, Analytics, Dissemination And Notification system) which is a browse and dissemination web application, designed by ISSDC to disseminate Chandrayaan data to the scientific community. Users of the scientific data may register themselves and access and browse the data from PRADAN portal of ISSDC.

Refer URL: <https://pradan.issdc.gov.in/ch3/>



- Alpha Particle X-ray Spectrometer (APXS)



ISRO

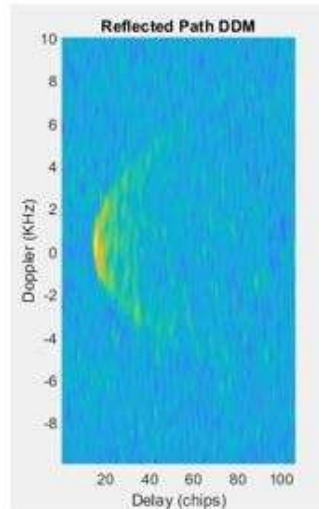
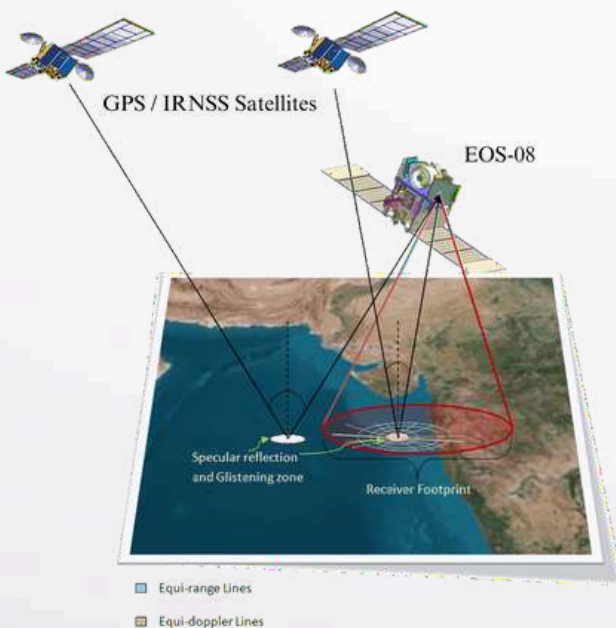
INDIAN SPACE RESEARCH ORGANISATION

GNSS-REFLECTOMETRY: A NOVEL REMOTE SENSING INITIATED BY EOS-08

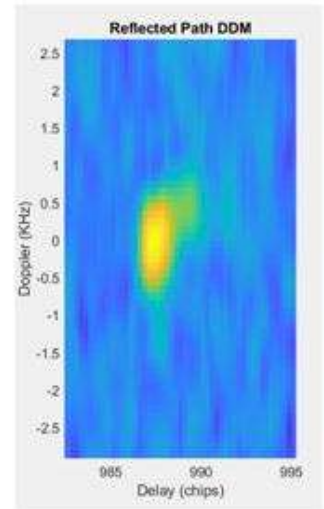
The GNSS-Reflectometry (GNSS-R) instrument on the EOS-08 satellite commenced operations on August 18, 2024. The raw data is being processed at the National Remote Sensing Centre (NRSC-ISRO) in Shadnagar, Hyderabad, using algorithms and data processing software developed by the Space Applications Centre (SAC-ISRO), Ahmedabad. Multiple levels of data products have been successfully generated.

GNSS-Reflectometry represents a new mode of remote sensing. Signals from Global and Regional Navigation Satellite Systems (GNSS/RNSS), such as GPS and NavIC, are reflected off various Earth surfaces, including oceans, agricultural lands, and river bodies. These reflected signals are collected by a precision receiver onboard the satellite (Fig. 1) as it orbits the Earth at an altitude of 475 km. This measurement system operates without dedicated transmitters and is shallow in resource consumption—requiring minimal size, weight, and power. Additionally, it can scale up as a constellation of receivers for faster coverage, making this innovative remote-sensing mode highly useful.

[click here to read more](#)



*DDM of GPS Signals
reflected over Ocean*



*DDM of NavIC signal
over Sahara Desert*

ISpA ACTIVITIES

SPACETECH WEBINAR #03 AUGUST 02,2024:

The Indian Space Association (ISpA) organized an online expert talk on "Legal & Regulatory Framework Governing Satellite Missions - The Indian Perspective" on 2nd August 2024.

- The talk was delivered by Keyur Gandhi from Dhruva Space.
- The discussion focused on the legal and regulatory aspects of satellite missions in India.
- Attendees gained insights into India's framework for governing satellite operations and missions.

[Watch more...](#)

ISpA Expert Talk
SpaceTech Webinar

Topic:
Legal & Regulatory Framework Governing Satellite Missions - The Indian Perspective

Keyur Gandhi
Speaker Associate Director - Space Regulatory, Dhruva Space

02 AUGUST, 2024
1100 - 1300 Hrs
Mode: Online

REGISTER NOW

NATIONAL SPACE DAY CELEBRATION AUGUST 23,2024:

- DG ISpA attended the National Space Day on August 23 at Bharat Mandapam, marking the success of Chandrayaan-3's lunar landing.
- President Murmu and key dignitaries highlighted ISRO's achievements, including its Mars mission and satellite launches.
- The event emphasized ISRO's role in advancing space exploration and contributing to India's socio-economic development.

23 August

NATIONAL SPACE DAY

Touching lives while touching the Moon: India's Space Saga

SPACETECH WEBINAR #04 AUGUST 30,2024:

- ISpA hosted Spacetechn Expert Talk Webinar #02 featuring Akshat Johri and Rajat Kumar Singh from IIFCL Projects.
- The webinar emphasized the importance of Public-Private Partnerships (PPPs) in leveraging government and private sector strengths.
- Various models like BOT, DBFOT, and HAM were discussed as drivers for advancing space projects.
- Speakers highlighted the significance of selecting the appropriate model for project success.

[Watch more...](#)

ISpA Expert Talk
SpaceTech Webinar

Topic:
Regulatory Challenges and Opportunities in Satellite Communications

Arun Agarwal
Speaker Dy Director General (Satellite), Department of Telecom

30 AUGUST, 2024
1100 - 1230 Hrs
Mode: Online

REGISTER NOW

Creating a Space Ecosystem

A New Era—Igniting Young Minds for Space Exploration.



The All India Council for Technical Education (AICTE) and the Indian Space Research Organisation (ISRO) have taken a significant step towards advancing space education in India. Marking the first anniversary of National Space Day on 23 August 2024, AICTE, in collaboration with ISRO, the Indian Space Association (ISpA), and IN-SPACE, organized a one-day program titled "Creating a Space Ecosystem: A New Era—Igniting Young Minds for Space Exploration." The event featured the launch of the AICTE Model Curriculum for Space Technology and the release of a book titled 'Introduction to Finite Element Analysis', co-authored by Dr. S. Somanath and Dr. S. Unnikrishnan Nair. An MoU was also exchanged between AICTE and ISpA to further promote higher education in the space industry.

The event was graced by Dr. S. Somanath, Secretary of the Department of Space, Chairman of the Space Commission, and Chairman of ISRO, who served as the Chief Guest. Other distinguished guests included His Excellency Herve Delphin, Ambassador of the European Union; Lt. Gen. A.K. Bhatt (Retd.), Director General of ISpA; Prof. T.G. Sitharam, Chairman of AICTE; Mr. Mahaveer Singhvi, Joint Secretary of New & Emerging and Strategic Technologies at the Ministry of External Affairs; Mr. S. Unnikrishnan Nair, Director of the Vikram Sarabhai Space Centre; Mr. A.S. Kiran Kumar, Former Chairman of ISRO; Wing Commander Satyam Kushwaha (Retd.), Director of ISpA; and Prof. Rajive Kumar, Member Secretary of AICTE.

The program featured a motivational talk and a panel discussion on "Academic Ecosystems to Support Space Education," highlighting the vital role of space technology in modern society.

While launching the book and Model Curriculum, ISRO Chairman Dr. S. Somanath highlighted the importance of space technology. He said, "By equipping our students with the necessary knowledge and skills, we are paving the way for our nation to further establish itself as a global leader in space technology. Space technology is not something that can be bought; it requires developing knowledge and skills within our system and institutions. The investment we have made in our space program has profoundly benefited society in terms of economy, job creation, disaster management, and natural resource management. This Model Space Curriculum will be crucial in producing the next generation of space scientists, engineers, and leaders who will carry forward ISRO's legacy of excellence." He also congratulated everyone on the first anniversary of Chandrayaan-3's successful lunar landing.

Creating a Space Ecosystem

A New Era—Igniting Young Minds for Space Exploration.

Prof. T.G. Sitharam, Chairman, AICTE, addressed the gathering by recalling the Chandrayaan-3, a historic moment for India. He said, "By celebrating the 23rd August as National Space Day, India not only honors its achievements in space but also reinforces its position as a leader in global space exploration. The celebration of this day aims to foster a deeper interest in space sciences among the public, especially the youth, and to highlight the pivotal role of space technology in addressing some of the world's most pressing challenges."

Herve Delphin, Ambassador of the European Union called for a healthy competition and cooperation between countries to conquer space and develop new technologies for the benefit of mankind.

Lt. Gen. AK Bhatt (Retd.), Director General, Indian Space Association (ISpA) stated, "We are dedicated to support the government's vision of Atma Nirbhar Bharat in the space sector, which involves fostering indigenous capabilities, promoting self-reliance in critical technologies, and reducing dependence on foreign imports. ISpA is actively working to facilitate private sector participation in India's space economy, and we believe that the synergy between government initiatives and private enterprises will be the key driver of innovation and growth in this sector. We need increased collaboration between academia, industry, and research institutions to foster innovation and accelerate technological development. Investment in STEM education is crucial to nurturing the next generation of space scientists and engineers."

This event marks a significant milestone in India's journey toward becoming a global leader in space technology, inspiring the next generation to explore the final frontier.



MoU exchanged between AICTE and Indian Space Association to promote higher education in Space Industry

ISpA IN NEWS

Space sector courses mushroom across institutions in India

21 Aug 2024
The Times of India

70 missions to be launched in 5 years; first uncrewed Gaganyaan launch in December: Isro chief

21 Aug 2024
The Times of India

India aims 10% share in global space economy in 10 yrs: Isro chief Somanath

20 Aug 2024
Business Standard

ISRO Chief Somanath launches AICTE Model Curriculum to inspire next-gen Scientists

20 Aug 2024
United News of India

Chandrayaan 4 and 5 design complete; 70 satellites likely to be launched in 5 years: ISRO chief

20 Aug 2024
The Hindu

Union Budget: Space industry seeks tax holidays and PLI scheme

16 June 2024
Republic World

Over 10 consortia evinced interest in SSLV, few shortlisted: Isro chief

20 Aug 2024
Business Standard

ISRO Chairman Champions Space Education on the eve of National Space Day

21 Aug 2024
The Financial Express

ISpA expands efforts to empower private players, rural youth and women in space sector

23 Aug 2024
The Financial Express

Progress of India's space sector extraordinary, private entities drive research: President

23 Aug 2024
ET Satcom

National Space Day: How private sector propelled Chandrayaan-3 to the Moon

23 Aug 2024
India Today

USD 13 billion investments in space sector added USD 60 billion to India's GDP: Report

23 Aug 2024
The Economic Times

India Celebrates First National Space Day

23 Aug 2024
BW Businessworld

Economy Today: National Space Day

24 Aug 2024
DD News

Money Mantra ji || जानिए experts से digital space startup के बारे में

23 Aug 2024
DD News

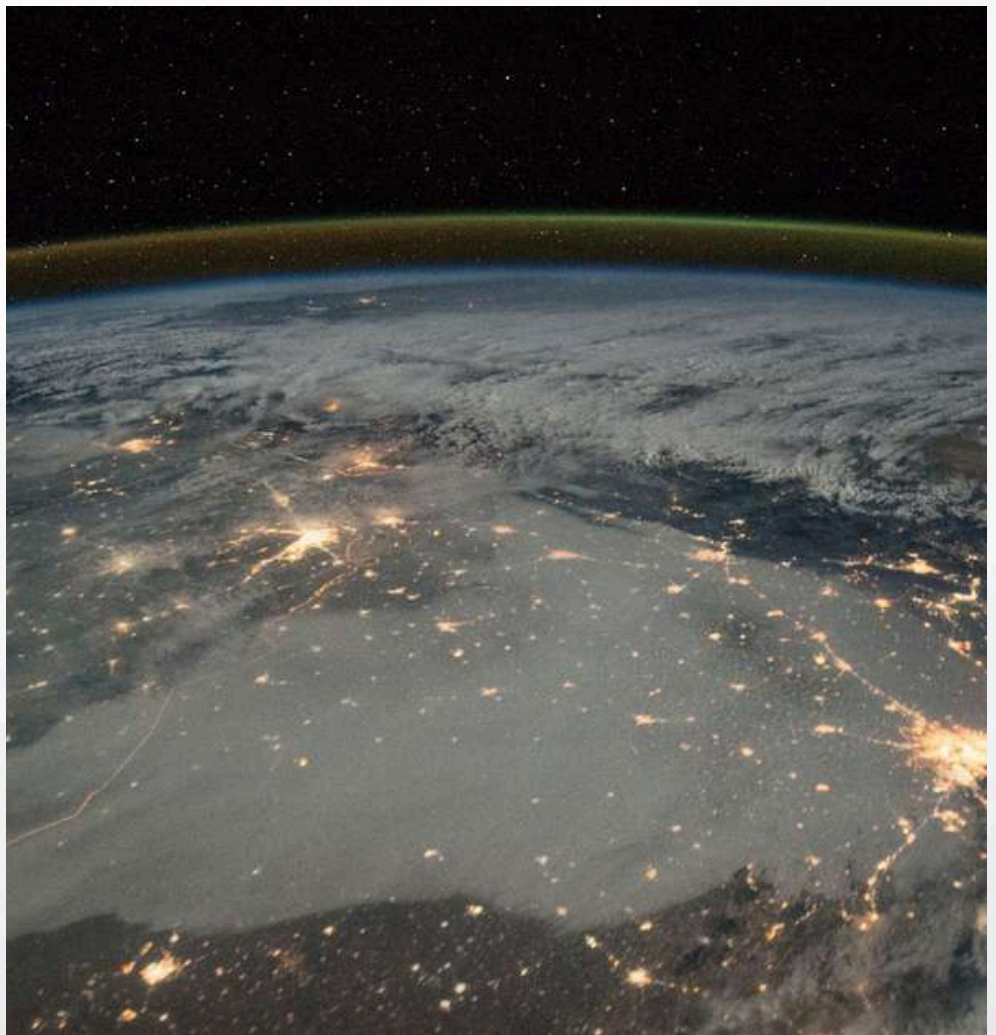
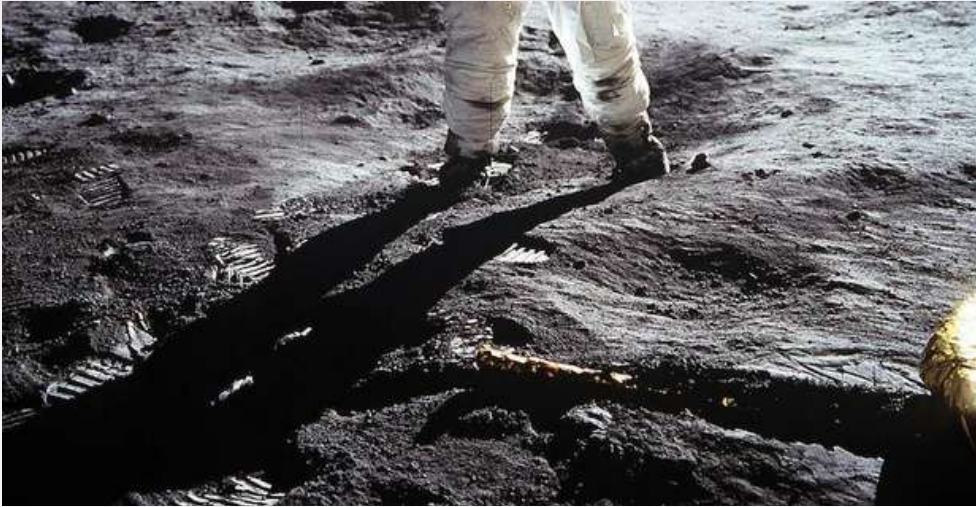
National Space Day | Lt Gen(R) AK Bhatt | DG, Indian Space Association | Exclusive Insights

23 Aug 2024
NewsX Live

Communications, navigation may help India become \$44 bn space economy

22 Aug 2024
Business Standard

NATIONAL NEWS



NATIONAL NEWS

'Educational institutions must come forward to advance space sector in TN'

01 Aug 2024
The Times of India

ISRO space exhibition at Greater Noida varsity from Thursday

01 Aug 2024
Hindustan Times

Ladakh chosen for India's Mars, Moon research site to boost space program

01 Aug 2024
Business Standard

Galgotias University Hosts Special Space Exhibition in Collaboration with Indian Space Research Organisation

01 Aug 2024
Business Standard

Chandrayaan-3 success encourages startups for space sector: Nambi Narayanan

01 Aug 2024
Business Standard

UGC Releases Weblinks For Accessing Content For National Space Day

01 Aug 2024
NDTV

Indian space start-ups must build better products, not duplicate ISRO tech: ex-ISRO scientist

01 Aug 2024
CNBC TV18

India's Defence Space Roadmap

01 Aug 2024
Geospatial World

After ISS: The private space station era is dawning

01 Aug 2024
Space.com

Record funding, policy support drive hiring boom in spacetechnology sector

02 Aug 2024
The Economic Times

Scindia holds meeting with satellite communication, Internet service providers

02 Aug 2024
The Hindu BusinessLine

ISRO chairman unveils plans for space experiments, moon missions

03 Aug 2024
Deccan Herald

Not possible to locate people buried under landslide debris using space tech, says Isro chief S Somanath

04 Aug 2024
The Times of India

IIT Bhilai hosts JNV students for Vigyan Jyoti Programme, promotes STEM and Space Science awareness

04 Aug 2024
The Times of India

ISRO units holding events to mark anniversary of Chandrayaan-3 moon landing

04 Aug 2024
The Hindu

Looking forward to welcoming first Isro astronaut Shubhanshu Shukla to ISS: Nasa chief Bill Nelson

05 Aug 2024
The Times of India

ISRO-Axiom Space collaboration to have a significant impact on global space exploration

05 Aug 2024
The Week

Developing an Effective Space Strategy for India's Defence

05 Aug 2024
Geospatial World

India's Spacetechnology Funding Skyrockets In 2023, Yet It Trails Behind Global Titans

05 Aug 2024
Outlook India

US or Russian spacecraft: Which is user-friendly? Indian astronaut's research study gives details

05 Aug 2024
WION

French Air and Space Force to take part in Tarang Shakti exercise in Tamil Nadu

05 Aug 2024
ThePrint

IN-SPACe to help NGE build, operate communication satellite

05 Aug 2024
Deccan Herald

India's Gaganyatri reaches US for space station training

06 Aug 2024
The Times of India

India can rub shoulders with top nations in spacetechnology, says Skyroot COO

06 Aug 2024
YourStory

India's Gaganyatri reaches US for space station training

06 Aug 2024
The Times of India

Isro to launch Earth Observation Satellite aboard SSLV's 3rd development flight

06 Aug 2024
India Today Science Desk

Isro set to launch advanced Earth observation satellite EOS-08 on SSLV

06 Aug 2024
The Times of India

'Space prog touched 1.3 billion people of India'

07 Aug 2024
The Times of India

Open Day at UR Rao Satellite Centre on Aug 10, 11

07 Aug 2024
Deccan Herald

Satcom to complement terrestrial communications, bridge digital divide: TRAI Chairman

07 Aug 2024
ET Satcom

NATIONAL NEWS

MP CM Mohan Yadav to seek investment in Space Technology during 2-day investors summit road show in Bengaluru

07 Aug 2024
The Times of India

Joint satellite to port, unrest to stall key India-Bangladesh projects

07 Aug 2024
Business Standard

Isro to use mini-launcher SSLV to launch earth observation satellite-08 on I-Day

08 Aug 2024
The Times of India

TRAI To Begin Consultation On Spectrum Allocation For Satellite-Based Telecom Services

08 Aug 2024
NDTV Profit

Earth observation satellites play crucial role in sustainability and governance, says ISRO Chairman

08 Aug 2024
The Hindu

ISRO launched 397 foreign satellites since 2014, generating 442 million USD revenue

08 Aug 2024
News9Live

ISRO's profits from commercial launches peaked in 2019

11 Aug 2024
News9Live

'Bharat's Space Launch Arsenal': Isro shares special video ahead of National Space Day

10 Aug 2024
The Times of India

Karnataka's new space policy to focus on startups, MSMEs

10 Aug 2024
The Times of India

Students of Atal Residential Schools 'explore' space

10 Aug 2024
The Times of India

Apple's satcom partner Globalstar says keen on India entry

09 Aug 2024
The Economic Times

MEA, NSIL ink MoU to assist launch of Nepal-made Munal satellite

11 Aug 2024
Hindustan Times

Adapt to climate change: Isro chief

11 Aug 2024
The Times of India

Satellite Communication's Growing Pains: Interference, Regulatory Uncertainty Dominate India SatCom 2024

12 Aug 2024
MediaNama

Space tech revolutionising Indian fisheries, says govt ahead of National Space Day

12 Aug 2024
The Economic Times

ISRO Postpones Latest Earth Observation Satellite Launch. New Date Is...

12 Aug 2024
NDTV

ISRO's progress inspires all, says Pawan Kalyan

13 Aug 2024
The Hindu

Space missions mark nation's confidence, soft power, says URSC chief

13 Aug 2024
Deccan Herald

Why Isro will launch Nisar mission only after February 2025

13 Aug 2024
India Today

Three of satellites in ISRO's NAVIC constellation have been failed

13 Aug 2024
Free Press Journal

DoT to discuss Starlink issue in ministerial meet

14 Aug 2024
The New Indian Express

Use of space technology in daily life increased significantly says Vijayawada MP Kesineni

20 Aug 2024
The New Indian Express

India is set to celebrate its first National Space Day on August 23, 2024

19 Aug 2024
ANI News

Contributions of Vikram Sarabhai, Abdul Kalam to space research lauded

19 Aug 2024
The Hindu

India-Africa Partnership: A Focus on Trade, Critical Minerals, Space and Food Security

19 Aug 2024
The Financial Express

What Ex IAF Pilot, Who Almost Became 1st Indian In Space, Said On Gaganyaan

19 Aug 2024
NDTV

Space | Amitabha Ghosh: Race to be a superpower in space

19 Aug 2024
India Today

No permission, but Starlink devices enter B2B sales platform IndiaMART

18 Aug 2024
The Hindu

India to set Space Station by 2035, land human on Moon by 2040: Dr Jitendra Singh

18 Aug 2024
The Economic Times

ISRO chief S Somanath decodes Sunita Williams stranded in space and what next

18 Aug 2024
Hindustan Times

NATIONAL NEWS

First Test Flight Of India's Human Space Mission Rocket Likely In December

17 Aug 2024
NDTV

Now, over 15k students inspired to explore realms of space science

21 Aug 2024
The Times of India

India's first reusable hybrid rocket to be launched from Tamil Nadu in three days

21 Aug 2024
The New Indian Express

Moonshot boom: behind spurred investment in India's thriving space sector

25 Aug 2024
The Economic Times

Debate over satellite spectrum allocation: Jio, OneWeb up the ante

25 Aug 2024
Business Standard

Watch: India launches its first reusable hybrid rocket 'RHUMI-1'

24 Aug 2024
The Hindu

For every dollar, India's space sector has given back \$2.54 to the economy: Report

24 Aug 2024
Moneycontrol

Since Chandrayaan-3, what has India's space programme been up to? | Explained

23 Aug 2024
The Hindu

Fruits of space research help India achieve rapid economic growth: Pawan Kalyan

26 Aug 2024
The New Indian Express

ISRO releases Chandrayaan-3 data to global scientific community; check key details of the mission

26 Aug 2024
Moneycontrol

ISRO finalises design of skull for the humanoid on Gaganyaan mission

26 Aug 2024
The Indian Express

First Indian common man in space, Gopichand Thotakura returns home after trip

26 Aug 2024
The Economic Times

Starlink, OneWeb, Amazon want Indian gateways to be open for the world

27 Aug 2024
The Financial Express

Space reforms benefited Indian youth, says PM Modi in Mann ki Baat; interacts with student startup

26 Aug 2024
The Times of India

Centre's incentive plan for space manufacturing to take into account states' policies

27 Aug 2024
Moneycontrol

Astronauts' plight piles pressure on Boeing's struggling space unit

27 Aug 2024
India Today

India to launch Gaganyaan crew capsule test flight by end of 2024

27 Aug 2024
Space.com

India's space agency chief sees higher funding

27 Aug 2024
Reuters

Vigyan Yuva awardee Prashant Kumar: Satellite data for weather forecast

27 Aug 2024
Hindustan Times

India's first space-borne precision receiver commences operations

28 Aug 2024
The Week

TN minister calls upon students to delve into space science, technology

28 Aug 2024
The Times of India

How ISRO designed humanoid skull which will be used in Gaganyaan

29 Aug 2024
The Indian Express

India puts space station on priority eyeing geopolitical gains

29 Aug 2024
Mint

India, Russia discuss use of space monitoring tech in risk forecast

29 Aug 2024
Business Standard

Indians to experience space? TV producer to send ordinary citizens on Blue Origin mission

30 Aug 2024
The Times of India

Students from top Delhi-NCR colleges attend workshop on space tech at Amity varsity

30 Aug 2024
Hindustan Times

Space for more: Editorial on India's investment in space research and need for regulatory laws

30 Aug 2024
The Telegraph

Bengaluru firm ties up with ISRO to develop AI model to identify and profile marine pollution

29 Aug 2024
The Hindu

In-Flight Internet Coming To India? Viasat, ISRO Prep High-Tech Satellite

29 Aug 2024
NDTV

ISRO's Aditya-L1: Why was it placed around Lagrange point 1

31 Aug 2024
The Indian Express

INTERNATIONAL NEWS



INTERNATIONAL NEWS

USA

Why NASA has only 19 days left to rescue Sunita Williams and Butch Wilmore from Space

02 Aug 2024
The Times of India

NASA, SpaceX set for 3,500 kg cargo resupply mission to International Space Station

04 Aug 2024
India TV

SpaceX launches 23 Starlink satellites to orbit from California

04 Aug 2024
Space.com

Sunita Williams in space: Nasa conducts 1,00,000 return simulations

05 Aug 2024
India Today

Nasa's Cygnus space suffers glitch after launch

05 Aug 2024
The Times of India

Sunita Williams 'Not Stranded But...': ISRO Chief To NDTV On Huge Challenge

06 Aug 2024
NDTV

Firefly Aerospace Secures Multi-Launch Agreement with L3Harris for Up to 20 Alpha Rocket Launches Over Five Years.

07 Aug 2024
Space News

NASA delays next crew launch to buy more time at the space station for Boeing's troubled capsule

07 Aug 2024
The Economic Times

NASA might keep Boeing astronauts on the space station until February – and tap SpaceX to bring them

08 Aug 2024
NBC News

NASA may ask Elon Musk to rescue Sunita Williams from space

08 Aug 2024
The Times of India

Why NASA astronauts Butch Wilmore and Sunita Williams may be stuck in space until next year

09 Aug 2024
The Hindu

Astronauts conduct first-ever archaeological survey in space

09 Aug 2024
India Today

SpaceX launches 21 Starlink satellites into orbit from Cape Canaveral

11 Aug 2024
The Times of India

SpaceX Plans 1st Manned Space Mission Over Earth's Poles

13 Aug 2024
NDTV

First-ever private spacewalk in making

21 Aug 2024
The Times of India

SpaceX sends cease-and-desist letter to IndiaMART for 'unauthorised Starlink listings'

20 Aug 2024
The Hindu

FCC approves Starlink first generation upgrade plan

20 Aug 2024
Space News

Nuclear-powered rockets a revolution in spaceflight

26 Aug 2024
Deccan Herald

SOS in space: Sunita Williams to be rescued by SpaceX's Dragon spacecraft

26 Aug 2024
India Today

How Elon Musk's tech vision is fueling ISRO's ambitions, according to ISRO chief S. Somnath

26 Aug 2024
The Times of India

Elon Musk makes this 'free promise' for SpaceX's satellite service Starlink for everyone in the world

28 Aug 2024
The Times of India

Elon Musk's Mars city in 20 years: Can India's 'space bricks' make it possible in 20 years?

30 Aug 2024
The Times of India

INTERNATIONAL NEWS

CHINA

China launches second secretive high orbit internet satellite

02 Aug 2024
Space News

China deploys 18 new satellites into space with Long March-6 rocket

06 Aug 2024
CNBC TV18

Chinese Long March 6A Rocket's Upper Stage Breaks Up, Creating Over 700 Pieces of Space Debris

09 Aug 2024
Space News

China Rocket Breaks Apart, Ends Up as 300-Piece of Space Junk After Satellite Constellation Launch

09 Aug 2024
Republic World

Chinese Long March 6A Rocket's Upper Stage Breaks Up, Creating Over 700 Pieces of Space Debris 09 Aug 2024 Republic World

13 Aug 2024
Space News

Chinese Researchers Propose Integrated Lunar-Earth Relay System to Ensure Continuous ILRS Communication Without Foreign Dependence

15 Aug 2024
Space News

China Launches Yaogan-43 Satellites to Test Technologies for New Low Earth Orbit Constellation

16 Aug 2024
Space News

Two Chinese spacecraft successfully reach lunar orbits despite the initial launch anomaly, demonstrating their deep space capabilities

20 Aug 2024
Space News

China Launches Six Satellites Carried by Commercial CERES-1 Rocket From Sea

29 Aug 2024
Republic World

China Launches Six Satellites Carried by Commercial CERES-1 Rocket From Sea

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Republic World

OTHER NATIONS

Interstellar raises \$21 million for rocket and satellite development

05 August 2024
Space News

Dcubed raises 4.4 million euros for in-space manufacturing

06 August 2024
Space News

Perceptive Space raises \$2.8 million for space weather platform

06 Aug 2024
Space News

Spanish defense contractor buys small satellite mission specialist Deimos

07 August 2024
Space News

PLD Space to start building French Guiana launch facilities next month

07 August 2024
Space News

Oxford Space Systems shares Yagi antenna deployment

07 August 2024
Satellite ProME

Eutelsat in exclusive talks to create ground station-as-a-service giant

09 Aug 2024
Space News

Eutelsat in exclusive talks to create ground station-as-a-service giant

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Space News

Airbus and Astroscale expand in-orbit servicing partnership

12 Aug 2024
Space News

Airbus and Astroscale expand in-orbit servicing partnership

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INTERNATIONAL NEWS

OTHER NATIONS

Facing "financial crisis," Russia on pace for lowest launch total in 6 decades

15 August 2024
Arstechnica

RFA first stage destroyed in static-fire test

19 August 2024
Space News

Hungary for space: 4iG seeks vertically integrated capabilities

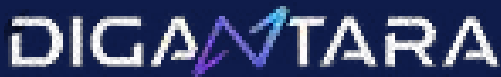
27 Aug 2024
Space News

Cluster's final mission: European satellite Salsa to re-enter Earth's atmosphere after 24 years

28 Aug 2024
The Times of India



JOB OPENINGS



GOVERNMENT POLICIES/ CONSULTATIONS/ RECOMMENDATIONS/ ANNOUNCEMENTS

- **Consultation Paper on Reserve Prices for auction of FM Radio channels**
 - <https://www.trai.gov.in/release-publication/consultation>
- **Consultation Paper on Audit related provisions of Interconnection Regulations, 2017 and Digital Addressable Systems Audit Manual**
 - <https://www.trai.gov.in/release-publication/consultation>
- **Draft The Telecommunication Tariff (Seventieth Amendment) Order, 2024**
 - <https://www.trai.gov.in/release-publication/consultation>
- **Consultation Paper on Review of the Telecom Commercial Communications Customer Preference Regulations, 2018**
 - <https://www.trai.gov.in/release-publication/consultation>
- **TRAI's Response to the back reference dated 02.11.2022 received from DoT on TRAI's Recommendations on Definition of Revenue Base (AGR) for the Reckoning of License Fee and Spectrum Usage Charges**
 - <https://www.trai.gov.in/release-publication/recommendation>
- **Recommendations on the Tera Hertz Spectrum**
 - <https://www.trai.gov.in/release-publication/recommendation>

UPCOMING EVENTS

| Dates | Events | Venue |
|-----------------|---------------------------------------|---------------------------|
| 7-10th October | GIFAS Delegation Visit | Delhi-Hyderabad-Bangalore |
| 14-18th October | International Astronautical Congress | Milan |
| 15-19th October | IMC 2024 | New Delhi |
| 5-7th November | ISpA 3rd Indian Space Conclave | New Delhi |

CALL FOR NEW MEMBERSHIP

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