

Astronautical News

18 August 2017

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cosmic ray
observation role**

**Russia launches
dual-use
satellite**

**Google-
sponsored
private moon
race delayed for
the fourth time**

**S7 plans to use
Zenit for Sea
Launch until
2023**



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In cooperation with

The British Interplanetary Society

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Innovation crucial to NASA in tackling deep space As NASA turns its human exploration focus toward deep space, the agency is searching beyond traditional borders for the innovation needed to achieve its challenging aspirations of establishing and sustaining a human presence in the lunar and Martian environs. [read more](#)



ISS to expand cosmic ray observation role The International Space Station is poised to become quite the clearing house for galactic cosmic ray analysis.



Satellite-based Earth Observation - Market Study with focus on key drivers and trends A new research document with title 'Satellite-based Earth Observation Market in Europe 2017-2021' has been released. The report contains market insights, future trends and growth prospects for forecast period of 2017-2021.



China set to overtake NASA in number of 2017 space launches China's National Space Administration (CNSA) has planned to overtake NASA in the amount of launches by the end of 2017 with 30, up from 21 in 2016.



ISRO lines up 21 rockets, to launch 70 satellites in 5 years India's space agency - the Indian Space Research Organisation - has lined up over 21 rocket launches, including the second test flight of its heaviest rocket the Geosynchronous satellite launch vehicle (GSLV) MK-III, which will be carried out over a period of the next three-four years.



Russia launches dual-use satellite A high-power Russian satellite designed to deliver broadband Internet connections and relay television and videoconferencing signals fired into orbit from the Baikonur Cosmodrome in Kazakhstan. It is destined to serve Russian military and civilian customers,



S7 plans to use Zenit for Sea Launch until 2023 Russia's S7 Space Transportation Systems company plans to start launching Zenit-3SL rockets from the Sea Launch floating platform and continue until 2023, the company said on its website.



DigitalGlobe announces 4-year direct access contract with Australia DigitalGlobe, Inc. announced that it signed a Direct Access Program (DAP) contract with the Australian Department of Defence. This multi-year agreement will allow the Australian government to access DigitalGlobe's industry-leading commercial satellite imaging constellation to support defence and intelligence missions.



Virgin Orbit receives new launch contract Virgin Orbit was selected to launch a SITAEL satellite developed in collaboration with the European Space Agency (ESA) and the Italian Space Agency (ASI).



Next stop for Parkinson's Disease research: outer space In an effort to find new treatments for Parkinson's disease, researchers are sending their experiments to space.



Satellites will watch the 2017 solar eclipse from space Millions of people in the United States will watch the total solar eclipse on Aug. 21. The event will also capture the attention of several spacecraft, as well as astronauts aboard the International Space Station.



NASA debates how to retrieve rocks from Mars The agency's next Mars rover will cache samples for return to Earth, but how and when they will be delivered remains undecided.



Space-based 3D printing reaches milestone Successful test suggests "Archinaut" system could soon assemble huge structures in orbit.

Recent Launch Activities

Russia launches dual-use satellite A high-power Russian satellite designed to deliver broadband Internet connections and relay television and videoconferencing signals fired into orbit from the Baikonur Cosmodrome in Kazakhstan. It is destined to serve Russian military and civilian customers,
(18 August 2017)

SpaceX launches super-computer to space station SpaceX on Monday blasted off its unmanned Dragon cargo ship toward the International Space Station, carrying a host of science experiments and the most powerful computer ever sent into orbit.
(15 August 2017)

Vega orbits two Earth observation satellites Arianespace has launched two Earth observation satellites for civil and military applications: OPTSAT-3000 for the Italian Ministry of Defence; and Venus, a mission of the Israel Space Agency (ISA) - a government body sponsored by the country's Ministry of Science and Technology - and the French CNES space agency.
(3 August 2017)

New crew arrives at Space Station after speedy 6-hour trip A Soyuz spacecraft carrying a crew of three linked up with the International Space Station, doubling the orbiting lab's population and kicking off a five-month mission for its space traveling trio.
(29 July 2017)

Development Activities

NASA debates how to retrieve rocks from Mars The agency's next Mars rover will cache samples for return to Earth, but how and when they will be delivered remains undecided.
(17 August 2017)

ISRO lines up 21 rockets, to launch 70 satellites in 5 years India's space agency - the Indian Space Research Organisation - has lined up over 21 rocket launches, including the second test flight of its heaviest rocket the Geosynchronous satellite launch vehicle (GSLV) MK-III, which will be carried out over a period of the next three-four years.
(14 August 2017)

SwRI's small satellite mission moves forward NASA has selected Southwest Research Institute (SwRI) to further develop the concept for a small satellite mission to image the Sun's outer corona. SwRI's "Polarimeter to Unify the Corona and Heliosphere" (PUNCH) program was selected for a mission concept study through NASA's Heliophysics Small Explorers Program (SMEX).
(10 August 2017)

Russian, US experts suggest launching satellite and balloons as part of Venus space probe The Venera-D mission might be launched in 2026.
(8 August 2017)

NOAA's GOES-S and GOES-T satellites coming together Progress continues on the development of NOAA's GOES-S and GOES-T spacecraft that will follow the successful launch of the Geostationary Operational Environmental Satellite or GOES-R, renamed GOES-16 upon reaching geostationary orbit.
(6 August 2017)

United Launch Alliance to launch Astrobotic mission to the Moon Astrobotic and United Launch Alliance report that Astrobotic's Peregrine Lunar Lander will be onboard a ULA launch vehicle in 2019, during the 50th anniversary of Apollo 11.
(31 July 2017)

India to build second RLV demonstrator by 2018 The unmanned, unpowered RLV-TD is a space shuttle-like subscale reusable spaceplane that is launched atop a booster rocket.
(30 July 2017)

Ariane 6 & Vega C rockets will secure independent space access for Europe Ariane 6 launch facilities are under construction in French Guiana along the Vega rocket is getting a n will increase the capabilities of the the space agency and European launch industry.
(27 July 2017)

ISS Activities

Astronauts grow cucumbers in space to help scientists understand root growth Which factor is more important to root growth: gravity or water? To find out, scientists recruited astronauts to grow cucumbers on the International Space Station.
(25 July 2017)

US spy satellite buzzes ISS Vigilant amateur satellite observers keep tabs on a recently launched US spy satellite that is getting a little to close to the ISS for comfort
(13 June 2017)

NanoRacks deploys CubeSats from Cygnus spacecraft NanoRacks said that it successfully deployed four Spire LEMUR-2 CubeSats from Orbital ATK's Cygnus spacecraft at a nearly 500-kilometre orbit.
(12 June 2017)

John Glenn Cygnus departs ISS begins secondary mission Orbital ATK reports that its Cygnus spacecraft successfully unberthed from the International Space Station, beginning the next phase of its mission before it reenters Earth's atmosphere. The "S.S. John Glenn" now conducts three secondary payload missions including the Saffire-III fire experiment, deployment of four CubeSats and an experiment to further study spacecraft conditions upon
(7 June 2017)

Thomas Pesquet returns to Earth ESA astronaut Thomas Pesquet landed on the steppe of Kazakhstan today with Russian commander Oleg Novitsky in their Soyuz MS-03 spacecraft after six months in space. Touchdown was after a four-hour flight from the International Space Station.
(2 June 2017)

Space Tourism

Virgin Galactic Carries Out "Dry Run" for Powered SpaceShipTwo Flights Virgin Galactic performed the latest glide flight of its second SpaceShipTwo suborbital spaceplane Aug. 4, calling it a "dry run" for upcoming powered test flights.
(7 August 2017)

25 years of global sea level data, and counting August 2017 marked the 25th anniversary of the launch of a revolutionary ocean research vessel - a space "ship." As the NASA/CNES Topex-Poseidon satellite ascended into orbit, it ushered in a new era of oceanography with the first highly accurate, global measurements of sea levels.
(17 August 2017)

China's satellite sends unbreakable cipher from space Chinese scientists have become the first to realise quantum key distribution from a satellite to the ground, laying the foundation for building a hack-proof global quantum communication network.
(15 August 2017)

CubeSats swarm Earth orbit A boom in nanosatellites could revolutionize space science and industry, but also dramatically increase the hazards of space junk
(26 July 2017)

Galileo handover After four years of work, the ESA team tasked with keeping the world informed on the status of the Galileo satellite navigation system has formally passed on its responsibility to a European Union agency. This shift is part of a wider transfer of responsibilities, as this month see the official handover of the running of the Galileo system from ESA to the European Global Navigation Satellite Systems Agency, or GSA.
(24 July 2017)

ESA drives to move past Galileo clock issue The European Space Agency says its well on the way to a full constellation of 24 operational satellites, the continuing renewal of which would probably require an average two satellites to be launched every year.
(14 July 2017)

World's first demonstration of space quantum communication using a microsatellite The National Institute of Information and Communications Technology of Japan who developed the world's smallest and lightest quantum-communication transmitter (SOTA) onboard the microsatellite SOCRATES, have succeeded in the demonstration of the first quantum-communication experiment from space.
(12 July 2017)

OneWeb vouches for high reliability of its deorbit system Satellite broadband startup OneWeb says no other system on its low-Earth orbit satellites will be built for higher reliability than the deorbit module it is including to prevent the creation of space debris.
(12 July 2017)

Satellites see giant iceberg split from Antarctic One of the biggest icebergs ever recorded has just broken away from Antarctica. A US satellite observed the berg while passing over a region known as the Larsen C Ice Shelf. An infrared sensor on the American space agency's Aqua satellite spied clear water in the rift between the shelf and the berg.
(12 July 2017)

India plans to roll out national GPS in 2018 The Indian Space Research Organisation is set to offer GPS from its own navigation system for mobile users from next year, aiming to make it more accurate than foreign competitors' products.
(8 July 2017)

Europe's Galileo satnav identifies problems behind failing clocks Investigators have uncovered the problems behind the failure of atomic clocks onboard satellites belonging to the beleaguered Galileo satnav system, the European Commission said. For months, the European Space Agency - which runs the programme - has been investigating the reasons behind failing clocks onboard some of the 18 navigation satellites it has launched for Galileo.
(5 July 2017)

Satellite image project that helps spot and stop slavery sites from space A crowdsourcing project at the University of Nottingham, England which aims to - via satellite imagery - identify notorious sites that could be involved in modern slavery globally, has attracted a number of online volunteers.
(4 July 2017)

Space junk colution? Tiny cubesat to test new de-orbiting thruster A tiny satellite that reached orbit will make history when it comes back down to Earth.
(3 July 2017)

Satellite image showcases centuries of desertification in India A new image from the European Space Agency's Copernicus Sentinel-2A satellite showcases the extreme aridity of India's Thar Desert. Geologic and archaeological analysis suggests the region, which encompasses more than 123,000 square miles in India and Pakistan, was once green and lush. Centuries of farms have depleted water resources and taxed the soil, slowly drying out the land.
(24 June 2017)

Global nanosatellite market anticipated to reach \$6.35 billion by 2021 According to a new market intelligence report, the global market is expected to reach \$6.35 billion by 2021, growing at a CAGR of 37.91% during the forecast period. With the emergence of space technologies, which enable satellites to operate under harsh space environment, it has become easier to carry out cost-effective space missions.
(23 June 2017)

Magnetic space tug could target dead satellites Derelict satellites could in future be grappled and removed from key orbits around Earth with a space tug using magnetic forces.
(21 June 2017)

Quantifying the effects of climate change Last year was the hottest on record, Arctic sea ice is on the decline and sea levels continue to rise. In this context, satellites are providing us with an unbiased view of how our climate is changing and the effects it is having on our planet.
(6 June 2017)

China launches advanced satellite navigation positioning system China has launched a national satellite navigation and positioning system, the largest in the country Li Weisen, deputy director of the National Administration of Surveying, Mapping and Geoinformation, said that the system consists of 2700 base stations, a national database centre and 30 provincial level database centres. The system, featuring faster speed, higher accuracy and wider coverage, will be compatible with other satellite navigation systems, such as BeiDou.
(29 May 2017)

Russia aims for 15 remote sensing satellites in orbit by 2020 Russian President Vladimir Putin stated that the remote sensing technologies must be used to boost the Russian defense and security, develop the economy and social sphere, and increase the quality of the state's governance. The number of operating Russian remote sensing satellites orbiting the Earth will reach 15 by 2020, Russian President Vladimir Putin said.
(25 May 2017)

New nano-satellite fleet starts launch in June An Australian-backed company is to launch the first three of a planned fleet of 200 new nano-satellites in the third week of June. Sky and Space Global (SAS) says the satellites will provide affordable communication services to those who are currently underserved across the equatorial belt.
(18 May 2017)

Novel use of satnav saves precious water Water conservation is a growing concern globally, and particularly for farmers in the USA, where decades of irrigating huge fields has depleted vital resources of fresh surface water and groundwater. An ESA spin-off that can help to preserve water supplies while guaranteeing crop irrigation is now undergoing final testing.
(15 May 2017)

Iridium deploys first 10 Next satellites Iridium Communications has integrated the first set of its Next satellites into the existing operational constellation to improve communications for shipping. This followed a rigorous testing and validation process of the 10 satellites in orbit.
(11 May 2017)

ISS to expand cosmic ray observation role The International Space Station is poised to become quite the clearing house for galactic cosmic ray analysis.

(18 August 2017)

Google-sponsored private moon race delayed for the fourth time Competitors in the Google Lunar X Prize now have until 31 March 2018 to land a spacecraft on the moon

(18 August 2017)

Satellites will watch the 2017 solar eclipse from space Millions of people in the United States will watch the total solar eclipse on Aug. 21. The event will also capture the attention of several spacecraft, as well as astronauts aboard the International Space Station.

(16 August 2017)

Cassini to begin final five orbits around Saturn The Cassini spacecraft will enter new territory in its final mission phase, the Grand Finale, as it prepares to embark on a set of ultra-close passes through Saturn's upper atmosphere with its final five orbits around the planet.

(11 August 2017)

China's Tiangong-1 Space Lab to Fall to Earth by April 2018 The United Nations Office for Outer Space Affairs has reissued a notification by China on the future uncontrolled re-entry of the country's robotic Tiangong-1 space lab, which is expected to take place in the next eight months.

(7 August 2017)

NASA selects proposals to study Sun, space environment NASA has selected nine proposals under its Explorers Program that will return transformational science about the Sun and space environment and fill science gaps between the agency's larger missions; eight for focused scientific investigations and one for technological development of instrumentation.

(6 August 2017)

Company loses contact with communications satellite while changing orbit A 20-year old satellite in fleet operator EchoStar's constellation is drifting after an anomaly the company said has crippled communications.

(4 August 2017)

ALMA confirms complex chemistry in Titan's atmosphere Saturn's largest moon, Titan, is one of our solar system's most intriguing and Earth-like bodies. It is nearly as large as Mars and has a hazy atmosphere made up mostly of nitrogen with a smattering of organic, carbon-based molecules, including methane (CH₄) and ethane (C₂H₆). Planetary scientists theorize that this chemical make-up is similar to Earth's primordial atmosphere.

(2 August 2017)

NASA tests Webb Telescope's communication skills NASA called, and the Webb telescope responded. NASA's James Webb Space Telescope recently completed its Ground Segment Test Number 1 (GSEG-1), for the first time confirming successful end-to-end communication between the telescope and its mission operations centre.

(2 August 2017)

NASA's Voyager Spacecraft Still Reaching for the Stars After 40 Years Humanity's farthest and longest-lived spacecraft, Voyager 1 and 2, achieve 40 years of operation and exploration this August and September. Despite their vast distance, they continue to communicate with NASA daily, still probing the final frontier.

(1 August 2017)

Smallest satellite ever paves way for planned interstellar fleet Breakthrough Starshot, the \$100 million project to send tiny spacecraft to Alpha Centauri, successfully operated a mini-satellite in orbit for the first time.

(29 July 2017)

Has Cassini found a universal driver for prebiotic chemistry at Titan? The international Cassini-Huygens mission has made a surprising detection of a molecule that is instrumental in the production of complex organics within the hazy atmosphere of Saturn's moon Titan.

(28 July 2017)

Cassini finds surprises for Saturn's magnetic field Even though it doesn't have long left to go, Cassini is busy surprising scientists with data it has collected while plunging through Saturn's rings.

(27 July 2017)

Norwegian microsatellite deploys first-of-kind Yagi antenna The Norwegian Space Centre has announced successful deployment of critical antennas and probes on the NORsat-1 and NORsat-2 microsatellites built by Canada's Space Flight Laboratory (SFL) and launched on 14 July from Kazakhstan. Most notable was deployment of a large Yagi antenna from NORsat-2 that will provide first-of-its-kind VHF Data Exchange (VDE) from space.

(25 July 2017)

First lunar observatory for Moon's south pole in 2019 The International Lunar Observatory Association (ILOA) and Moon Express have announced a collaboration for the delivery of an instrument to image the Milky Way from the lunar surface

(25 July 2017)

A new way to search for gravitational waves? Scientists suggest looking for gravitational waves in data from a mission that is looking at star positions

(22 July 2017)

A Final Farewell to LISA Pathfinder With the push of a button, final commands for the European Space Agency's LISA Pathfinder mission were beamed to space on July 18, a final goodbye before the spacecraft was powered down. LISA Pathfinder had been directed into a parking orbit in April, keeping it out of Earth's way. The final action this week switches it off completely after a successful 16 months of science measurements.

(18 July 2017)

First close-ups of Jupiter's Great Red Spot from Juno flyby The closest-ever observations of our solar system's biggest storm could tell us how deep into Jupiter it extends and how it has continued to rage for centuries

(13 July 2017)

Hubble Telescope captures stars forming just after the Big Bang Paired with a cosmic magnifying glass, NASA's Hubble Space Telescope has revealed insight into star formation in the early universe.

(9 July 2017)

SES transfers capacity from AMC-9 satellite following significant anomaly SES has announced that, following a significant anomaly, the company is in the process of transferring capacity from its AMC-9 satellite. The incident was noted on the morning of Saturday 17 June 2017. SES has taken immediate action in contacting all customers and is working to transfer services to alternative satellite capacity in order to minimise disruption.

(7 July 2017)

Artificial brain helps GAIA catch speeding stars With the help of software that mimics a human brain, ESA's Gaia satellite spotted six stars zipping at high speed from the centre of our galaxy to its outskirts. This could provide key information about some of the most obscure regions of the Milky Way.

(7 July 2017)

NASA releases Kepler Survey Catalog with hundreds of new planet candidates NASA's Kepler space telescope team has released a mission catalogue of planet candidates that introduces 219 new planet candidates, 10 of which are near-Earth size and orbiting in their star's habitable zone, which is the range of distance from a star where liquid water could pool on the surface of a rocky planet.

(20 June 2017)

The future of the Orion constellation A new video, based on measurements by ESA's Gaia and Hipparcos satellites, shows how our view of the Orion constellation will evolve over the next 450 000 years. Stars are not motionless in the sky: their positions change continuously as they move through our Galaxy, the Milky Way.

(17 June 2017)

A whole new Jupiter: First science results from NASA's Juno mission Early science results from NASA's Juno mission to Jupiter portray the largest planet in our solar system as a complex, gigantic, turbulent world, with Earth-sized polar cyclones, plunging storm systems that travel deep into the heart of the gas giant.

(26 May 2017)

Juno spacecraft has close encounter with Jupiter's cloud tops in sixth flyby Juno skimmed the cloud tops of Jupiter at a range of just 3,500 kilometres during its close approach, NASA officials said. The manoeuvre marked the sixth time the Juno probe's orbit has brought it up close with Jupiter.

(21 May 2017)

LIGO could detect gravitational waves' permanent space-time warp When gravitational waves permanently distort space-time, it causes a 'memory signal' which may help LIGO find some of the universe's most exotic objects

(20 May 2017)

Fermi satellite observes billionth gamma ray with LAT instrument On April 12, one of the spacecraft's instruments - the Large Area Telescope (LAT), which was conceived of and assembled at the Department of Energy's SLAC National Accelerator Laboratory - detected its billionth extraterrestrial gamma ray.

(15 May 2017)



China set to overtake NASA in number of 2017 space launches China's National Space Administration (CNSA) has planned to overtake NASA in the amount of launches by the end of 2017 with 30, up from 21 in 2016.

(14 August 2017)



US Senate restores funding for NASA Earth Science and satellite servicing programmes An appropriations bill approved by a Senate committee would restore funding for several NASA Earth science missions slated for termination by the administration as well as a satellite servicing programme.

(4 August 2017)



UK space companies to develop international partnerships The UK Space Agency is working with research institutions, industry and non-profit organisations to develop strong international partnerships to help tackle economic, societal and environmental issues using satellite technology. The Agency will award funding through its International Partnership Programme (IPP), which is designed to partner UK space expertise with overseas governments.

(3 August 2017)



Loss of MexSat-1 satellite not to hinder Russian-Mexican space cooperation Mexico is ready for strengthening space and hi-tech cooperation with Russia despite an unsuccessful launch of the Russian Proton-M carrier rocket in 2015, which led to the incineration of Mexico's MexSat-1 communications satellite, Mexican Ambassador in Moscow Norma Bertha Pensado Moreno told Sputnik.

(28 July 2017)



Iran in 'successful' test of satellite-launch rocket Iran has tested a satellite-launch rocket. It said the launch vehicle, named Simorgh after a bird in Iranian mythology, was capable of propelling a satellite weighing 250 kilograms to an altitude of 500 kilometres

(28 July 2017)



Japan's first private rocket set for launch Japan's first privately developed rocket has been scheduled for launch on July 29 by developer Interstellar Technologies (IST).

(26 July 2017)



UK wants continued EU Copernicus participation The UK has given the clearest statement yet of its desire to stay within the European Union's Copernicus Earth observation programme after Brexit.

(21 July 2017)



EgyptSat-2 replacement to be launched in 2019 The launch of the EgyptSat-A satellite is scheduled for 2019, Deputy Chief Executive Officer of Russia's RSC Energia corporation Alexander Derechin said.

(21 July 2017)



Canadian presence in US space initiatives swells Vancouver's MacDonald, Dettwiler and Associates is making inroads in satellite-servicing markets once dominated by U.S. companies.

(20 July 2017)



Luxembourg Adopts Space Resources Law The government of Luxembourg has passed a bill giving companies the rights to space resources they extract from asteroids or other celestial bodies.

(20 July 2017)



Heinrich Hertz satellite shows military reluctance to expand commercial satcom The German government's decision to contract for a new telecommunications satellite is the latest example of governments' continued reluctance to outsource satellite telecommunications to the private sector. It will also likely mean reduced purchases of commercial satellite services as the Bundeswehr moves more of its requirements to the government-owned Heinrich Hertz satellite. The formal go-ahead for Heinrich Hertz, which has been debated for several years inside the German government before being approved by the German parliament, was confirmed on June 28.

(19 July 2017)



Netherlands and Norway join forces in space The Netherlands and Norway are going to conduct scientific research in the field of space. It concerns matters that are relevant to military operations. The focus is on designing a 'space demonstrator' using a small satellite.

(18 July 2017)



Ghana launches satellite into orbit Ghanasat-1 was released from the International Space Station, nearly a month after its launch from the Kennedy Space Center on Elon Musk's SpaceX flight 11.

(10 July 2017)



Russia to carry out five launches from Vostochny Space Centre in 2018 Russia will conduct five launches from the Vostochny space center in Russia's Far East in 2018, Deputy Prime Minister Dmitry Rogozin told Sputnik. Vostochny is expected to reduce Russia's dependency on the Baikonur space centre in Kazakhstan. Baikonur is on lease to Russia until 2050.

(8 July 2017)



Japan reveals plans to put astronaut on moon by 2030 Japan has revealed ambitious plans to put an astronaut on the Moon around 2030 in new proposals from the country's space agency. This is the first time the Japan Aerospace Exploration Agency (JAXA) has said it aims to send an astronaut beyond the International Space Station, an agency spokeswoman told AFP.

(3 July 2017)



Launch of Hellas Sat 3 satellite brings Cyprus into the space era The launch of the Hellas Sat 3 satellite, the biggest European telecommunication satellite,

promotes Cyprus into the space era and more specifically in space technology, Minister of Transport, Communication and Works Marios Demetriades has told CNA. Demetriades, who attended the launch of the satellite at the European Space Station of Kourou, in the French Guiana, said that the Hellas Sat 3 satellite will bring many benefits for Cyprus.

(2 July 2017)



President Trump Re-Establishes National Space Council U.S. President Donald Trump signed a long-awaited executive order June 30 re-establishing the National Space Council.

(1 July 2017)

India, Portugal shake hands on space cooperation Indian Prime Minister Narendra Modi during his visit to Lisbon agreed with Portuguese authorities on creation of alliance to advance space research, the Indian Foreign Ministry said in a statement. India, Portugal sign a memorandum of understanding (MoU) on cooperation in the field of space, according to the statement.

(29 June 2017)



Studies into UK National Microgravity Experiments Call for Proposals The UK Space Agency is making funding available for studies...

(29 June 2017)



Russia, Brazil consider joint space launches from Brazilian spaceport #Russia and #Brazil are considering the possibility of conducting joint launches of carrier rockets from a Brazilian space centre, Russian President Vladimir Putin said.

(27 June 2017)



Vietnam, Israel sign agreement on space technology cooperation The Vietnam National Satellite Centre and the Israel Space Agency inked an agreement on cooperation in science and technology and peaceful use of outer space, in Hano. At the signing ceremony, Israeli Ambassador to Vietnam Meirav Eilon Shahar said under the agreement, the two sides will boost cooperation in such areas as earth observation, space industry, and satellite activities.

(22 June 2017)



NASA, CNES express commitment to joint exploration France and the United States have a long history of cooperation in space, combining their talents over the years to advance science and launch exploration missions whose results have been instrumental in creating entirely new fields of research. The leaders of the two space agencies, Acting NASA Administrator Robert Lightfoot, and CNES President Jean-Yves Le Gall, reaffirmed the agencies' cooperation efforts.

(21 June 2017)

Opportunities

NASA Immersive 360th Multimedia and Video Winter/Spring Internships - NASA (United States)

INTRODUCTION: Immerse yourself in NASA via our first internship dedicated to exploring the intersection of science and immersive/360 multimedia storytelling. Work

NASA IV&V Guidance Navigation & Control Software Engineer - Engility (United States)

is the sole provider of Independent Verification and Validation (IV&V) services to the NASA IV&V Program located in Fairmont, West Virginia. At the NASA IV&V

NASA IV&V Guidance Navigation & Control Software Engineer - Engility Corporation (United States)

is the sole provider of Independent Verification and Validation (IV&V) services to the NASA IV&V Program located in Fairmont, West Virginia. At the NASA IV&V

NASA IV&V Information Assurance/Cybersecurity Intern - Engility (United States)

is the sole provider of Independent Verification and Validation (IV&V) services to the NASA IV&V Program located in Fairmont, West Virginia. At the NASA IV&V

NASA IV&V Information Assurance/Cybersecurity Intern - Engility Corporation (United States)

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NASA IV&V Software Engineer - Engility (United States)

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NASA IV&V Software Engineer - Engility Corporation (United States)

is the sole provider of Independent Verification and Validation (IV&V) services to the NASA IV&V Program located in Fairmont, West Virginia. At the NASA IV&V

NASA IV&V Systems Engineer - Engility Corporation (United States)

is the sole provider of Independent Verification and Validation (IV&V) services to the NASA IV&V Program located in Fairmont, West Virginia. At the NASA IV&V

NASA Journalism, Multimedia, Social Media Winter/Spring Internships - NASA (United States)

INTRODUCTION: NASA invites students working towards degrees in journalism, communications, media relations, science writing, immersive journalism, or broadcast

NASA Postdoctoral Fellowships - Universities Space Research Association (United States)

NASA Postdoctoral Program - Application Deadline November 1, 2017 The NASA Postdoctoral Program (NPP) supports NASA 's goal to expand scientific understanding

NASA UAS Traffic Management (UTM) project - NASA (United States)

As part of the NASA UAS Traffic Management (UTM) project, research is in progress to enable integration of small unmanned aerial vehicles (UAV) into the National

Branch Customer Services Associate/ NASA Goddard Branch - NASA Federal Credit Union (United States)

largest credit unions in the region and top performing in the nation, NASA Federal Credit Union members enjoy banking with an organization that's well established,

Business Development Director- *Nasa* - The Aerospace Corporation (United States)

Business Development Director- NASA Apply now ? Apply now Start apply with LinkedIn Apply Now Email Start Please wait Apply now ? Apply for Job ? ? ? Enter your

Business Development Director- NASA - The Aerospace Corporation (United States)

The Civil Systems Group is seeking qualified individuals experienced in working with NASA for the position of Account Director. The position supports the NASA

Component Engineer Ingénieur en Composants

Component Engineer Junior or intermediate The successful candidate will support design and manufacturing engineering in the specification, selection and application of Electrical, Electronic, Electromechanical EEE parts for space systems. Knowledge of military standards related to parts specification, selection and qualification is an asset. Tasks Evaluation of components design and workmanship for high reliability applications. Evaluation of components discrepancies impact on design and reliability. Preparation of Source Control Drawings procurement specs Providing advice to design engineers on component selection based on quality and reliability requirements of programs customers Identification of alternate parts where lead times or component costs are unsuitable Approval of parts lists Preparation of declared components lists nonstandard parts approvals requests participate in Parts Control Boards PCBs with customers Audit of component suppliers to assure their processes products a...

Design Engineer for Space Projects

HE Space is a successful international space company. For over 35 years, we have been supporting our customers with qualified experts in the field of engineering, science and administration. We are currently looking for a Design Engineer for Space Projects to support our customer in Germany. Design Engineer for Space Projects Key Tasks and Responsibilities As a Design Engineer for Space Projects, you will have the following responsibilities Design in CAD/CAM or software implementation on component/equipment/mechanical/software level to the specifications made at superior levels Create the design, drawings, schematics, prototype, SW module Manage version control of various iterations if necessary Provide all documentation related to the delegated work package Requirements provided by system architecture, design rules and standards, interfaces requirements and constraints, work packages definition Implementation data package, drawings and schematics if applicable, documentation and analysis...

Full Stack Development - NASA Open Source - Qualified Technical Services, Inc (United States)

Work Location: NASA Ames Research Center (Mountain View, CA) Minimum Citizenship: US Citizen Clearance: US Government REQUIREMENTS Education: BS Discipline(s):

Ground Station Engineer

Ground Station Engineer, Darmstadt, Germany Competitive salary and relocation assistance available An opportunity has arisen for a lead Ground Station Engineer to join Thorn SDS, working on our clients site at the European Space Operations Centre ESOC, in Darmstadt, Germany. We are passionate about delivering Space Programs with our partners and you will work in an international environment, with team members from many European States and beyond. We are looking for an Engineer to be responsible for the maintenance and operation of one of ESAs Ground Stations. You will be the technical lead for one of the prestigious ESTRACK facilities based in Scandinavia, maintaining the links between the satellite in orbit and ESOC. You will collaborate with your colleagues to ensure that it remains operational. This role may require an occasional oncall response. As part of this role, you will work with the onsite Maintenance, Operations and Engineering teams based at ESOC. You will define the conf...

Ground Station Operations Engineer mw

We have more than 30 years of experience in the field of Space Operations Service Engineering activities, providing a significant contribution to the most major Space programmes of the European Space Agency. Our offer is aimed at highly competitive markets from defense to satellite navigation, up to space and telecommunications and is constantly enhanced through continuous investments in RD, as well as in human capital. Since our inception, we have participated to the most representative ESA programmes in the Telecommunication, Earth Observation and Scientific missions, contributing with skilled operational and engineering services, systems and software tools for Ground Data Network. We are deeply involved in the Galileo Programme with significant contribution in the Ground Mission and Control Segment. Please send your application for this position to Ms. Roxana Sasu at r.sasuvitrocisetbelgium.com Deadline 23.08.2017 Key Responsibilities Verification of the ground station network co...

Ground Stations Engineer

Are you able to provide us with engineering support as we upgrade our ground stations for future satellite systems in particular EUMETSATs Polar Second Generation EPSSG? EUMETSAT is the European operational satellite agency for monitoring weather, climate and the environment. We observe the atmosphere and ocean and land surfaces from Space using a system of satellites, 365 days a year, offering images and data to provide insights into weather situations, environmental hazards and climate change. Our work helps users worldwide to monitor changes in these to protect lives, lifestyles and properties. Developing the next generation of satellites, we look to shape our future and infrastructure, and these activities have opened up an opportunity for a Ground Stations Engineer to join our System Engineering and Projects Division. In this role you will lead the requirements definition activities in support of the development and upgrade of Ground Stations, play an active role in the procureme...

Project Portfolio Management Support mw

Vitrociset Belgium, a Vitrociset Group company, can claim almost 30 years of experience in the field of space operations engineering activities, starting in 1982 with the European Space Agency. Today Vitrociset Belgium is the Corporate Groups center of gravity for the Space activities in

central Europe. With the headquarter located in Belgium and permanent offices presence close to ESAs centers ESOC D, ESTEC NL and ESAC SP, the company offers you major opportunities at its many sites abroad, an international environment and assignment to prestigious clients ESA, ESO, CNES, EUMETSAT, ASTRIUM. Please send your application for this role to Ms. Roxana Sasu at r.sasuvitrocisetbelgium.com Deadline 05.09.2017 Key Responsibilities Support Project Managers in the following tasks 1 preparing dedicated Project breakdown structure and derive the associated Project Management Plan PMP. The PMP shall describe The Project development logic Project lifecycle including the interrelation with its relat...

Satellite Operation Security Engineer

I am supporting a client of mine based in Germany with an opportunity Satellite Operations Security Engineer working at their base in Munich. Reporting to the Security Accreditation and Risk Manager you will Engineer undertakes tasks and duties as required to maintain compliance to the security requirements, Local Security Operating Procedures and System Accreditation and Certification Plan including supporting external teams relating to ESA GSA. Job Title Satellite Operations Security Engineer Job Type Contract 12 months Rate TBC Location Munich Tasks include Monitoring of security rules application and the engineering of securityrelated systemlevel issues and supporting system design reviews. Security support to Ground Engineering teams Security support to the configuration control and segment evolution rollout processes, including validation campaigns. Bookcaptain of Verification Control Documents and managementfollowup of related subcontractor inputs. Support to the definitionengi...

Science Driven Long Duration Venus Lander Concepts (NASA Space Academy at Glenn) - NASA (United States)

1. Brief background & NASA mission/program support: Venus is a key planet to help better understand Earth and our solar system. Due to the thick acidic cloud layers,

Senior Project Leader- NASA HQ - The Aerospace Corporation (United States)

of The Aerospace Corporation, brings engineering expertise and valued capabilities to NASA . In this Sr. Project Leader role you will provide overall technical

Senior/Senior Advanced Quality Engineer (NASA) - KBRwyle (United States)

Title: Senior/Senior Advanced Quality Engineer (NASA) Location: US-US-MD-GREENBELT Job Number: 00336429 KBRwyle seeks an experienced Quality Engineer to provide

Software Engineer

HE Space is a successful international space company. For over 35 years, we have been supporting our customers with qualified experts in the field of engineering, science and administration. We are currently looking for a Software Engineer to support our customer in Germany. Software Engineer Key Tasks and Responsibilities As a Software Engineer, you will have the following responsibilities Development and maintenance of spacecraft mission control components Software development using C and Java Verification and testing activities Anomaly capture, analysis and resolution Analysis, planning and management of application system upgrades Software and technical support to the endusers of the applications User support to operations. Skills Experience You will have the following qualifications and relevant experience University degree in a relevant engineering discipline Software development for large, complex systems Software engineering life cycle Developing software components and applic...

Special Response Team Officer NASA Jsc - Chenega Corporation (United States)

Company Job Title: Physical Security Specialist / Special Response Team Officer, NASA JSC **Chenega Job Title:** Police Officer I
Clearance: Must be able

Student Trainee (Administrative) - NASA Pathways Intern Employment Program - John Glenn Research Center at Lewis Field (United States)

About the Agency To receive consideration, you must submit a resume and answer NASA -specific questions. The NASA questions appear after you submit your resume

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