Astronautical News

28 July 2017

Loss of MexSat-1 satellite not to hinder Russian-Mexican space cooperation

Vega to launch two Earth Observation Satellites for Italy, Israel and France

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In cooperation with
The British Interplanetary Society

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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 Saturns rings.

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

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.

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.

Astronauts evaluate commercial airlock in neutral buoyancy lab NanoRacks LLC has demonstrated that spacesuit-garbed astronauts working outside the International Space Station can successfully manoeuvre around the external surfaces of what is to be the first commercially provided airlock.

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).

SpaceX tweaking Dragon 2 design and Mars plans SpaceX is shelving plans for upcoming Dragon 2 crew and cargo retrorocket returns to Earth due to the difficulty of meeting certification requirements.

Russia's new 'star' satellite is making skygazers see red An experimental Russian satellite is about to become the third brightest object in our sky - behind only the Sun and Moon - in a move that has astronomers seeing red.

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.

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.

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

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.

ULA to launch Dream Chaser spacecraft via Atlas V to deliver cargo to ISS Sierra Nevada Corporation (SNC) announced that it selected United Launch Alliance's (ULA's) commercially developed Atlas V rocket to launch the first two missions of its Dream Chaser cargo system in support of NASA's Cargo Resupply Services 2 (CRS2) contract.

Recent Launch Activities

Soyuz carrier rocket blasts off From Baikonur A Russian Soyuz-2.1a rocket blasted off from Baikonur Cosmodrome. The rocket is delivering over 70 satellites to Earth's orbit, including the Kanopus-V-IK orbiting spacecraft equipped with Earth-viewing cameras to map the planet in colour to aid emergency responders, crop managers and environmental scientists.
(18 July 2017)

Russia orbits forest fire monitoring satellite The Kanopus-V-IK forest fire monitoring satellite was delivered into its designated orbit, Roscosmos reported.
(17 July 2017)

SpaceX rocket finally lifts off after two aborted launch attempts After two aborted attempts and a three-day delay, SpaceX successfully sent a communications satellite soaring toward orbit.
(6 July 2017)

Ariane 5 rocket tallies 80th straight success with on-target satellite launch Two geostationary communications satellites rode an Ariane 5 rocket into orbit on 28 June from French Guiana, embarking on missions to broadcast television across Europe, the Middle East and Africa, link European air travellers with Wi-Fi, and relay video and data signals across India. The tandem satellite launch marked Arianespace's seventh mission of 2017, deploying a spacecraft shared by the Greek and Cypriot operator Hellas- Sat and London-based Inmarsat and a payload built and owned by the Indian Space Research Organisation.
(30 June 2017)

Development Activities

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)

NASA'S first asteroid deflection mission enters next design phase The first-ever mission to demonstrate an asteroid deflection technique for planetary defence - the Double Asteroid Redirection Test (DART) - is moving from concept development to preliminary design phase, following NASA's approval on June 23.
(8 July 2017)

Russian devices for ExoMars mission to be ready late 2017 Two Russian devices to be mounted on the Mars rover of the ExoMars 2020 mission are nearly ready, by the end of 2017 they will be supplied to the European Space Agency, head of the Russian Academy of Sciences' Space Research Institute laboratory Daniil Rodionov told Sputnik.
(4 July 2017)

Rocket failure may delay China's space station and moon missions The second rocket failure in two weeks is likely to cause delays for China's ambitious space programme whilst the causes are under investigation
(4 July 2017)

Chinese media report Long March 5 rocket failed soon after launch The launch of China's March-5 Y2 rocket has failed as the satellite failed to enter the preset orbit. At 7.5 tones, the spacecraft was the heaviest China has ever launched. According to state-run media, Shijian-18 was to test China's new Dongfanghong-5 (DFH- 5) satellite platform and carry out in-orbit experiments including Q/V band satellite communication, satellite-ground laser communication technologies and an advanced Hull electric propulsion system.
(2 July 2017)

LISA Gravitational-Wave Observatory Selected as ESA L3 Mission In a meeting on 20 June 2017 ESA's Science Programme Committee selected the space- based gravitational-wave detector "Laser Interferometer Space Antenna" (LISA) for ESA's third large (L3) mission in the "Cosmic Vision" plan.
(1 July 2017)

Modified Proton-M carrier rocket to be first launched in 2019 The first launch of the new modification of the Proton-M carrier rocket will be conducted in 2019, the press service of Russia's Roscosmos State Space Corporation said. The Proton-M is the largest carrier rocket in Russia's fleet of space launch vehicles. The rocket has lifted dozens of Russian and foreign satellites into orbit since it was first commissioned into service in 2001.
(29 June 2017)

OneWeb inaugurates serial production line European aerospace giant Airbus and its partner, OneWeb, have begun the production of a satellite mega-constellation. The network will comprise at least 600 spacecraft in the first instance, but could eventually encompass more than 2,000. The aim is to deliver broadband links from orbit to every corner of the globe. The assembly line in Toulouse willto begin end-to-end validation, testing, and integration of its first satellites set for launch in just over nine months.
(28 June 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 Vigilent 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 Aims to Fly Space Tourists in 2018, CEO Says Richard Branson's Virgin Galactic is on track to begin commercial passenger spaceflights before the end of 2018, the company's chief executive said.
(1 May 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)

New look at satellite data questions scale of China's afforestation success China has invested more resources than any other country in reversing deforestation and planting trees. However, given the large scale of these programmes it has been difficult to quantify their impact on forest cover. A new study shows that much of China's new tree cover consists of sparse, low plantations as opposed to large areas of dense, high tree cover.
(8 May 2017)

Satellites track Antarctic ice loss over decades Over two decades of observations by five radar satellites show the acceleration of ice loss of 30 glaciers in Western Palmer Land in the southwest Antarctic Peninsula.
(3 May 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 Saturns rings.
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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)

Astrophysicists find that planetary harmonies around TRAPPIST-1 save it from destruction When NASA announced its discovery of the TRAPPIST-1 system back in February it caused quite a stir, and with good reason. Three of its seven Earth-sized planets lay in the star's habitable zone, meaning they may harbour suitable conditions for life. But one of the major puzzles from the original research describing the system was that it seemed to be unstable.
(14 May 2017)

First results from Jupiter probe show huge magnetism and storms Observations from the Juno spacecraft are confounding astronomers with revelations about the weather and magnetism of our solar system's biggest planet
(5 May 2017)

Cassini radio signal from Saturn picked up after dive The Cassini spacecraft is sending data back to Earth after diving in between Saturn's rings and cloudtops. The probe executed the daredevil manoeuvre on Wednesday - the first of 22 plunges planned over the next five months - while out of radio contact.
(27 April 2017)

NASA's Cassini, Voyager missions suggest new picture of Sun's interaction with galaxy New data from NASA's Cassini mission, combined with measurements from the two Voyager spacecraft and NASA's Interstellar Boundary Explorer, or IBEX, suggests that our sun and planets are surrounded by a giant, rounded system of magnetic field from the sun - calling into question the alternate view of the solar magnetic fields trailing behind the sun in the shape of a long comet tail.
(26 April 2017)

China's first cargo spacecraft docks with space lab China's first cargo spacecraft, Tianzhou-1, successfully completed docking with an orbiting space lab, the Beijing Aerospace Control Center said.
(24 April 2017)

Gaia's snapshot of another galaxy While compiling an unprecedented census of one billion stars in our Galaxy, ESA's Gaia mission is also surveying stars beyond our Milky Way. A new image of M33, also known as the Triangulum galaxy, shows tens of thousands of stars detected by Gaia, including a small stellar census in its star-forming region NGC 604.
(24 April 2017)

Cassini probe heads towards Saturn 'grand finale' Cassini has used a gravitational slingshot around Saturn's moon Titan to put it on a path towards destruction. The flyby swept the probe into an orbit that takes it in between the planet's rings and its atmosphere. This gap-run gives the satellite the chance finally to work out the length of a day on Saturn, and to determine the age of its stunning rings. But the manoeuvre means also that it cannot escape a fiery plunge into Saturn's clouds in September.
(22 April 2017)

NASA and partners survey space weather science NASA scientists worked with scientists and engineers from research institutions and industry during a pair of intensive week-long workshops in order to assess the state of science surrounding this type of space weather.
(22 April 2017)

Saturn moon 'able to support life' Saturn's ice-crusted moon Enceladus may now be the single best place to go to look for life beyond Earth. The assessment comes on the heels of new observations at the 500km-wide world made by the Cassini probe. It has flown through and sampled the waters from a subsurface ocean that is being jetted into space. Cassini's chemistry analysis strongly suggests the Enceladean seafloor has hot fluid vents - places that on Earth are known to teem with life.
(14 April 2017)

New Horizons spacecraft enters hibernation The New Horizons spacecraft has entered hibernation, reported by Johns Hopkins University Applied Physics Laboratory.
(13 April 2017)

Milky Way stars on the move - satellite data used to see into the future The motion of 2 million stars over the course of 5 million years into the future is depicted in this new animation from the European Space Agency. Data from their Gaia Mission was used to create it.
(13 April 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)

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 sing 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)

Galileo contract faces Brexit crunch A contract signed is giving a German-UK consortium the go-ahead to build another eight satellites for Galileo - Europe's version of GPS. OHB System of Bremen and SSTL of Guildford have so far produced all of the fully operational satellites in the constellation. But it is highly unlikely that SSTL, which assembles the timing and navigation payloads on the spacecraft at its Surrey factory, will have completed its share of the production effort by Friday 29 March, 2019 - the date for Britain's withdrawal from the EU.
(21 June 2017)

Plan aims to secure UK space sector A government plan to secure growth in the UK's £13.7bn space industry is laid out in the Queen's Speech. The stated purpose of the new Bill is to make the UK the most attractive place in Europe for commercial space - including launches from British soil. It would help increase the UK share of the global space economy from 6.5% today to 10% by 2030.
(21 June 2017)

Kazakh man dies in fire following Russian rocket launch A Kazakh man died and another was hospitalised after they were caught in a fire on the steppes triggered by falling debris from a Russian space launch, emergency services said. The blaze, reaching 15 kilometres across, was unleashed by parts of a rocket that fell to Earth after launch from the nearby Baikonur cosmodrome. The rocket had been used to successfully launch a supply ship destined for the International Space Station, emergency services in Kazakhstan said.
(17 June 2017)

Russian aerospace firm to cooperate with China on Lunar exploration missions Russia's Lavochkin Research and Production Association will work with China on designing lunar exploration missions, including orbital and return ones, Sergei Lemeshevsky, the Russian company's director general, told Sputnik.
(13 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 Information Assurance Engineer - KeyLogic (United States)
As a NASA Information Assurance Engineer you will become an integral part of our growing organization. As a member of the KeyLogic Team, you will be able to expand

NASA IV&V Systems 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 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 Programs Acquisition Manager - Centech (United States)
Overview: THE CENTECH GROUP, Inc. (CENTECH(R)) is seeking a Capture Manager/ NASA Programs Acquisition Manager. The person in this position will manage the

NASA Programs Acquisition Manager - THE CENTECH GROUP (United States)
THE CENTECH GROUP, Inc. (CENTECH(R)) is seeking a Capture Manager/ NASA Programs Acquisition Manager. The person in this position will manage the CENTECH-approved

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

AST, Technical Management - Headquarters, NASA (United States)
This position serves as the Technical Advisor for Program Oversight within the NASA Management Office (NMO), located at the Jet Propulsion Laboratory (JPL) in

Atmosphere Scientist
Vacancy in the Directorate of Earth Observation Programmes. ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. Applications from women are encouraged. Post Atmosphere Scientist This post is classified A2A4 on the Coordinated Organisations salary scale. Location ESRIN, Frascati, Italy Description Atmosphere Scientist in the Data Applications Division , Science, Applications and Climate Department, Directorate of Earth Observation Programmes. Duties Providing scientific expertise and developing applications for atmospheric missions in exploitation fostering the use of free and open EO atmospheric data for research and applications enhancing scientific exploitation and data applications of EO atmospheric missions using latest information technologies and platforms engaging the atmospheric science community by organising dedicated scientific workshops and maintaining dialogue with users managing ESA st...

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

Client Executive, NASA / Department of Energy - VMware (United States)
As the NASA / DoE Client Executive, you will be responsible for driving VMware solutions to NASA and the scientific community. The ideal candidate would

Client Executive, NASA / Department of Energy - VMware, Inc. (United States)
Job ID 80872BR As the NASA / DoE Client Executive, you will be responsible for driving VMware solutions to NASA and the scientific community. The ideal candidate

Component Engineer
Summary An opportunity for an experienced Component Engineer to work for Telespazio VEGA onsite at ESTEC. Objective To give expert support to the EEE Components Laboratory. Responsibilities Duties This position involves extensive work to be performed in the ESTEC EEE Component Laboratory. Thus, expertise in general laboratory practices is mandatory. Duties will include but will not be limited to Provide expertise in the field of Passive Components, Discrete Semiconductors for RF and nonRF, Complex Microcircuits for Digital, Analog, Mixed Signal and Microwave, Hybrid Technology, Micropackaging, Optoelectronics and MicroNanoSystems proficiency in at least 4 out of the previous 12 categories is required. Carry out Failure Analysis tasks and other analysis tasks as required. Prepare reports on the analysis tasks as required. Support and advice concerning the performance of analysis tasks subcontracted to external laboratories. Provide related technical support on EEE components to ESA pr...

Drupal Developer in the Earth Science Project Office at NASA Ames Research Center - Bay Area Environment (United States)
environment. Like working with a small dedicated team where your input helps NASA Earth Science Research. The Bay Area Environmental Research (BAER) Institute, a

EGNOS Junior Performance Engineer mf
Airbus Defence and Space is a division of Airbus Group formed by combining the business activities of Cassidian, Astrium and Airbus Military. The new division is Europes number one defence and space enterprise, the second largest space business worldwide and among the top ten global defence enterprises. It employs some 40,000 employees generating revenues of approximately 14 billion per year. A vacancy for a EGNOS Junior Performance Engineer mf has arisen within Airbus Defence and Space in Ottobrunn. The successful applicant will join TSEIG4 Navigation Products. Position pending on successful contract award to Airbus for EGNOS V3 phase CD. EGNOS is a satellite based European augmentation system for GPS signals and the upcoming European Navigation system Galileo. Currently the next generation EGNOS V3 is under development. The EGNOS Performance Engineer will work in the EGNOS V3 team thereby supporting the EGNOS performance and qualification activities. Your main tasks and responsibi...

EGNOS Senior Performance Engineer mf
Airbus Defence and Space is a division of Airbus Group formed by combining the business activities of Cassidian, Astrium and Airbus Military. The new division is Europes number one defence and space enterprise, the second largest space business worldwide and among the top ten global defence enterprises. It employs some 40,000 employees generating revenues of approximately 14 billion per year. A vacancy for a EGNOS Senior Performance Engineer mf has arisen within Airbus Defence and Space in Ottobrunn. The successful applicant will join TSEIG4 Navigation Products. Position pending on successful contract award to Airbus for EGNOS V3 phase CD. EGNOS is a satellite based European augmentation system for GPS signals and the upcoming European Navigation system Galileo. Currently the next generation EGNOS V3 is under development. The EGNOS Performance Engineer will work in the EGNOS V3 team thereby supporting the EGNOS performance and qualification activities. Your main tasks and responsibi...

Engineer, Spacecraft Subsystem Thermal Power
SES is the worldleading satellite operator with a fleet of more than 50 geostationary satellites. The company provides satellite communications services to broadcasters, content and internet service providers, mobile and fixed network operators and business and governmental organizations worldwide. SES stands for longlasting business relationships, highquality service and excellence in the satellite industry. The culturally diverse regional teams of SES are located around the globe and work closely with customers to meet their specific satellite bandwidth and service requirements. SES holds a participation in O3b Networks, a next generation satellite network combining the reach of satellite with the speed of fiber. Where others see barriers, we see opportunities. Do you enjoy supporting customers realizing breakthrough value? Do you stay attuned to your customers needs and visions? Do you like to work openly and supportively together with your colleagues and customers? Our work involv...

ERT Officer NASA -Ci (Titusville FL) - Chenega Corporation (United States)
emergency response operations. The ERT Officer, after completion of required NASA Federal Arrest Authority and if required, Federal Magistrate Program Training,

Finance Administrator
Serco is a FTSE 250 international service company that improves the quality and efficiency of essential services that matter to millions of people around the world. The work we do for national and local governments involves us in the most important areas of public services, including science and defence. Sercos space heritage over the last 40 years has placed us in the Space News Top 50 Space Industry Manufacturing and Services Companies. With over 1500 staff in the space business covering a wide spectrum of experience and skills, we convey best practice, expertise and innovation in our business. For our activities in ESOC, we are currently looking for a Finance Administrator on a fixed term position until 251217 with a possibility of extension. Package description Full details on application. Relocation assistance provided if applicable. Main responsibilities The tasks shall include, but are not limited to the following Assistance to Budget Office Verification of budget information ...

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):

Government Information Specialist (FOIA) - Headquarters, NASA (United States)
position is GS-12. To receive consideration, you must submit a resume and answer NASA -specific questions. The NASA questions appear after you submit your resume

Hardware Design Engineer for Aerospace Applications
Experience Electronics Design Engineering experience in power electronics, in particular DC DC converter design, Power Supply System design, Power electronics design. Knowledge on design methodologies for space applications design documentation, design analysis, etc. is preferred Two years experience minimum in DCDC converter design Knowledge in measurement and control systems Knowledge of ECSS standards and development tools such as Orcad or similar Knowledge of instrumentation for laboratory testing Candidates must be able to work with other engineers in project teams and under pressure tight schedules, fixed date deliveries Ability to work simultaneously in different projects Good team workers, engaged, capable to take responsibility for own small project Ability to communicate with engineers, project management and customer representatives Availability to travel Good knowledge of English. Qualification Electronics Engineers major contents in power electronics preferred. Bachelors ...

ICT Engineer
Serco is a specialist at delivering vital services on behalf of European, National and Local Governments. Serco Europe employs a large workforce in Belgium, Luxembourg, France, Switzerland, Germany, Holland, Spain, Italy and the UK. Our European operations have ca. 2,000 employees delivering critical services to public institutions throughout Europe. Package description Full details on application. Relocation assistance provided if applicable. Main responsibilities Reporting to the Corporate Business Process Manager, the ICT Engineer is responsible for optimal selection of ICT suppliers and ICT products to ensure the best usage of resources and technology for the Agency. The post holder will carry out the following specific duties Overseeing ICT market trends with focus on IT Infrastructure providers for Computer Hardware, Software and networking products Analysis and assessment if trends in the ICT market, build and maintain relationship with ICT market leaders to understand and repo...

PHP Developer in the Earth Science Project Office at NASA Ames Research Center - Bay Area Environment (United States)
time. The team operates in a flexible work environment and is based at the NASA Ames Research Center in the heart of Silicon Valley. Duties and Responsibilities: We

Product Manager RF Electronics Gestionnaire de produit lectronique RF
Product Manager RF Electronics The Product Managers primary focus is to accomplish key activities related to the front end of the business. The main objectives are to provide leadership in product development and lifecycle strategy, market analysis requirements management, cost reduction strategy, pricing bids, product technical presentations to support business development activities and business cases for new products. The assignments for this position are typically of medium value, complexity andor criticality. Responsibilities include, but are not limited to 1. Performs Product Market assessments as input into the product development and marketing plans 2. Establishes Product Development and Marketing Plans based on SWOT Analysis Inputs from Business Development Lessons learned on programs Market analysis Requirements trend analysis Corporate Business objectives 3. Manages internally funded and externally funded development programs Adheres to best program management practices Ma...

Quality Assurance Engineer
Come and let us help you to develop your engineering profile in the space sector! Are you inspired by the idea of working in a global operational satellite agency based in the heart of Europe? EUMETSAT operates meteorological satellites to monitor the weather and climate from space and we are committed to being the leading userdriven operational agency in Europe for earth observation satellite programmes. The success of our missions are crucial for weather forecasting and environmental monitoring, and you could play a part in this. Meteorological satellites are an invaluable asset for weather forecasting and understanding of our changing climate, and their role will grow increasingly important with the next generations of our systems. We are looking for a Quality Assurance Engineer to join us. You will work with all parts of our organisation, engaging our teams to embed quality into everything we do. You will join a forward thinking, dynamic team. If you have a passion for quality and...

Satellite System Engineer
In the frame of Small Satellites Design Development activites, SITAEL is looking for a Satellite System Engineer, with midlevel experience 25 years in the field of Space Engineering, preferably at system level. The Satellite System Engineer will directly report to Space Systems Division Manager and to the assigned Project Technical Manager. The main tasks will be Responsibility of System Engineering task and coordination of technical areas subsystems referring to the product i.e. satelliteplatform Responsibility of system level architecture both functional and physical Together with Mission Analyst, define the implications of Mission Rerquirements on Satellite Design Support the Technical Manager in overall system design authority tasks Guarantee the proper interfaces among satellite subsystems Perform system level analysis and reporting i.e. technical budgets Manage the main external IF Launcher, Ground segment, Payloads Prepare system level documentation requirements, design...

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 Cyber Security Engineer - NASA - SAIC (United States)
Senior Cyber Security Engineer - NASA (Job Number:429105) Description: SAIC is hiring a Senior Cyber Security Engineer for our NASA engagement in Greenbelt, MD

Senior Cyber Security Engineer - NASA Job - SAIC (United States)
Senior Cyber Security Engineer - NASA (Job Number:429105) *Description:* SAIC is hiring a Senior Cyber Security Engineer for our NASA engagement in Greenbelt, MD

Senior Industrial Policy Officer
Description Senior Industrial Policy Officer in the New, Cooperating and Associate States Section, Industrial Policy and SME Division, Industrial Policy and Auditing Department, Directorate of Industry, Procurement and Legal Services. Duties The postholder reports to the Head of Section. Specific responsibilities and tasks include being the focal point of one or more New Member States NMS, Associate States AS and European Cooperating States ECS for the preparation, initiation and implementation of the relevant actions relevant to each Member States status and associated measures assisting in the analysis of NMSECSAS and ESA priorities as necessary to guide the content of the relevant industrial measures, i.e. Industrial Incentive Schemes IIS for NMS, Plan for ECS PECS or liaison with optional programmes AS supporting awareness of NMSAS participation in ESA programmes and the relationship with the relevant industrial measures, as well as NMSAS national strategies and programmes support...

Senior/Senior Advanced Quality Engineer (NASA) - KBRwyle (United States)
Title: Senior/Senior Advanced Quality Engineer (NASA) Location: US-US-MD-GREENBELT Job Number: 1049577 **There are no relocation funds, however we are offering a

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

Supervisory Medical Officer (Occupational Medicine) - Headquarters, NASA (United States)
position is located in the Office of the Chief Health and Medical Officer, NASA Headquarters and reports to the Deputy Chief Health and Medical Officer. The

Technical Authority
A vacancy for a Technical Authority has arisen within Airbus Defence Space in Stevenage, Hawthorn or Newport and as part of the Technical Authority TA team you will be part of the Centralised Engineering organisation. The Technical Authority team are responsible for maintaining the technical strategy and roadmaps ensuring that the network and service evolution are in line with this strategy. Our customers include, but are not limited to, Skynet 5 Engineering, Programme Office, Network infrastructure and presales across all Airbus Defence and Space owned sites. This role provides design leadership in accordance with the strategy and roadmaps Technical Governance through the Maturity Gate process, together with network architecture design and support where new technologies or design patterns are being introduced, contribute to projects where knowledge is required. Occasional travel is expected to both UK and European Airbus sites as programmes require. The successful candidate will need...

Thermal Product Manager
A vacancy for a Telecommunication SatellitesSpacecraft Thermal Product Manager has arisen within Airbus Defence Space in Stevenage. The objective of the role is to manage and develop a set of thermal products that will enable the internal thermal control of a satellite or spacecraft to within 5C, while the external environment is driving temperatures between 150C and 150C. The technological approach is further challenged due to the lack of convection and limited conduction while the satellite is surrounded by deep space at a radiation sink temperature close to absolute zero. You will lead a team of thermal specialists to ensure coherence and continual development of advanced thermal products aligned with and in cooperation with other satellite systems specialists. Once developed you are accountable for continued successful application of the product within the projects environment through to inspace performance. You would join the satellite platform team at a time when Airbus Defence ...

Web Developer - NASA Open Mission Control Technologies - SGT,Inc. (United States)
SGT CAREERS WEB DEVELOPER - NASA OPEN MISSION CONTROL TECHNOLOGIES Engineering Moffett Field, California Job ID: 20464 I'm Interested! DESCRIPTION Looking for

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