12 May 2017

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Astronautical News

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In cooperation with
The British Interplanetary Society

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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.

NOAA cuts target future polar weather satellites While the National Oceanic and Atmospheric Administration received full funding for its ongoing weather satellite programmes, the agency is looking at options after a cut to a programme for future polar-orbiting weather satellites.

The Big Power of the Smallsat Revolution Launch rates in Asia are set to eclipse U.S. figures by 2025, showing that the region is on the path to reap significant returns. The benefits of Asia's proliferation of smallsats include disaster management, agiculture, fast and affordable data, job creation and an expected new wave of business opportunities.

Thales launches communications satellite for Brazil Thales Alenia Space launched two telecommunications satellites, among them the Geostationary Defence and Strategic Communications Satellite (SGDC), into orbit using an Ariane 5 launcher from the Kourou base in French Guiana on Thursday, May 04.

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Bulgarian satellite to launch on reused SpaceX Falcon 9 rocket in June A communications satellite built for a Bulgarian operator will be the second payload to launch on a previously-flown Falcon 9, that operator announced.

NASA requests information on commercial lunar missions Six months after seeking information about instruments it could fly to the moon, NASA has issued a request for information for commercial systems that could transport payloads there.

Planetary Protection: Contamination Debate Still Simmers Earth's microbes could contaminate Mars or icy moons such as Jupiter's satellite Europa, interfering with the hunt for life beyond our planet. At the same time, organisms from distant worlds could pose a hazard to life on Earth.

Going Back to Pluto? Scientists to Push for Orbiter Mission The first up-close look at Pluto was so intriguing that some researchers want to go back and spend a lot more time studying the icy world.

Air Force's X-37B Space Plane Lands in Florida After Record-Breaking Secret Mission The record-breaking, hush-hush mission of the U.S. Air Force's robotic X-37B space plane is finally over.

NASA examines effects of 2017 spending bill on science As members of Congress took credit for NASA funding levels in a fiscal year 2017 omnibus spending bill, the agency's science leadership is examining how those funds will affect its programmes.

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.

Recent Launch Activities

Arianespace orbits telecom satellites for Brazil and South Korea Arianespace has successfully launched two telecommunications satellites: SGDC for Visiona Tecnologia Espacial S.A, on behalf of the Brazilian operator Telebras S.A. and the Brazilian government; and KOREASAT-7 for South Korean operator ktsat. The launch took place on May 4 at 6:50 pm (local time) from the Guiana Space Centre.
(6 May 2017)

India launches satellite for South Asian countries In a first, India's space agency launched a satellite Friday to provide communications services to its neighboring countries. The South Asia satellite, funded entirely by India, was announced several years ago with the intention of serving all eight members of the South Asian Association for Regional Cooperation (SAARC).
(5 May 2017)

SpaceX Launches US spy satellite on secret mission, nails rocket landing A SpaceX Falcon rocket lifted off from the Kennedy Space Center in Florida on Monday (May 1) to boost a classified spy satellite into orbit for the U.S. military, then turned around and touched down at a nearby landing pad. It was the 34th mission for SpaceX, but its first flight for the Department of Defense, a customer long-pursued by company founder Elon Musk.
(2 May 2017)

China launches first cargo spacecraft Tianzhou-1 A Chinese rocket successfully sent the country's first cargo spacecraft, Tianzhou-1, into space from the southern island province of Hainan . Fuelled by liquid oxygen and kerosene, the Long March-7 Y2 carrier rocket blasted off from Hainan's Wenchang Space Launch Centre.
(21 April 2017)

Development Activities

NASA Receives Proposals for Future Solar System Mission NASA has received and is reviewing 12 proposals for future unmanned solar system exploration. The proposed missions of discovery - submitted under NASA's New Frontiers program - will undergo scientific and technical review over the next seven months. The goal is to select a mission for flight in about two years, with launch in the mid-2020s.
(9 May 2017)

Going Back to Pluto? Scientists to Push for Orbiter Mission The first up-close look at Pluto was so intriguing that some researchers want to go back and spend a lot more time studying the icy world.
(9 May 2017)

Japan aims to uncover how moons of Mars formed The Japan Aerospace Exploration Agency (JAXA) has announced a mission to visit the two moons of Mars and return a rock sample to Earth. It's a plan to uncover both the mystery of the moons' creation and, perhaps, how life began in our Solar System.
(4 May 2017)

China to conduct several manned space flights around 2020 China plans to conduct several manned space flights from 2019 to 2022, during which a 60-tonne space station will be assembled and built, said Wang Zhaoyao, director of China's manned space programme office.
(2 May 2017)

Indian Space Research Organisation Starts Work on India's First Venus Mission The Indian Space Research Organisation (ISRO) has begun the process to send its first satellite to Venus by inviting Indian scientists and academia for space-based experiments. The Announcement of Opportunity released by ISRO said the Principal Investigator of the proposal should be capable of bringing together the instrument team and lead the team for developing a space-qualified instrument.
(1 May 2017)

"Dragonfly'" drone could fly across Saturn's moon Titan The quadcopter-style lander could explore some of the moon's most promising sites for habitability and life.
(29 April 2017)

New Russian Medium-Class Carrier Rocket Could Compete With SpaceX's Falcon A new medium-class carrier rocket to be developed in Russia will be able to compete with the Falcon rocket manufactured by the US-based SpaceX company, Russia's RSC Energia space corporation said.
(28 April 2017)

NASA could use a miniaturised satellite to test Europa moon's dust and radiation Studying the dust particles around Jupiter's famous icy moon would indirectly reveal details about its surface, and its habitability prospects.
(15 April 2017)

ISS Activities

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(12 May 2017)

ISS investigation aims to identify unknown microbes in space Building on the ability to sequence DNA in space and previous investigations, Genes in Space-3 is a collaboration to prepare, sequence and identify unknown organisms, entirely from space.
(1 May 2017)

Cygnus docks with ISS, delivering 28 Cubesats from multiple customers Orbital ATK's Cygnus (OA-7) spacecraft successfully berthed to the International Space Station (ISS) after launching 18 April. This mission is NanoRacks' largest CubeSat mission to date - carrying 38 CubeSats to be deployed from NanoRacks deployers on both the ISS and on the outside of Cygnus.
(24 April 2017)

Two new crew members arrive at International Space Station After a six-hour flight, NASA astronaut Jack Fischer and cosmonaut Fyodor Yurchikhin of the Russian space agency Roscosmos arrived at the International Space Station at 9:23 a.m. EDT Thursday where they will continue important scientific research.
(21 April 2017)

Two Russians, one American land back on Earth from ISS Two Russian cosmonauts and a US astronaut touched down safely in central Kazakhstan Monday following a 173-day mission aboard the International Space Station. NASA astronaut Shane Kimbrough was accompanied by Russian space agency cosmonauts Sergei Ryzhikov and Andrei Borisenko.
(11 April 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)

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(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)

Space debris problem getting worse, say scientists Scientists sounded the alarm over the problems posed to space missions from orbital junk - the accumulating debris from mankind's six-decade exploration of the cosmos. In less than a quarter of a century, the number of orbiting fragments large enough to destroy a spacecraft has more than doubled, a conference in Germany heard.
(19 April 2017)

ESA helps faster cleaner shipping With around 90% of world trade carried by ships, making sure a vessel follows the fastest route has clear economic benefits. By merging measurements from different satellites, ESA is providing key information on ocean currents, which is not only making shipping more efficient but is also helping to reduce carbon dioxide emissions.
(18 April 2017)

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(15 April 2017)

China considering cooperation with Russia on space debris China is contemplating developing cooperation with Russia with respect to space debris, China's National Space Administration Secretary-General Yulong Tian told Sputnik.
(12 April 2017)

China's BeiDou system to expand cooperation to SE Asia China's home-grown BeiDou Navigation Satellite System (BDS) will expand its cooperation to Thailand and Sri Lanka, and then to the entire Southeast Asia, in a bid to go global, the system's operator has said.
(1 April 2017)

Decommissioned Earth Science satellite to remain in orbit for decades A NASA Earth science satellite whose mission is ending this week will remain in orbit through the middle of the century, far longer than the limit set by orbital debris mitigation guidelines.
(30 March 2017)

Satellites shed new light on earthquakes Satellite radar scans of last year's earthquake in New Zealand are changing the way we are thinking about earthquake hazards in regions where our planet's tectonic plates meet.
(25 March 2017)

ICESat-2 to provide more depth to sea ice forecasts In March, the Arctic sea ice pack is supposed to reach its greatest extent - but this year it's far below average, off by an area about the size of Texas and New Mexico combined. Satellite observations currently reveal how much of the ocean surface is covered by ice, but there is another critical measurement to make.
(23 March 2017)

30 years of deforestation While the world marks the International Day of Forests, satellites continue to monitor the long-term effects of human activities on our planet's precious resources
(22 March 2017)

Copernicus Sentinel-2B delivers its first images Just over a week after being lofted into orbit, the European Union's Sentinel-2B satellite delivered its first images of Earth, offering a glimpse of the 'colour vision' it will provide for the Copernicus environmental monitoring programme.
(16 March 2017)

NASA studies growing Louisiana deltas The Louisiana coastline is sinking under the Gulf of Mexico at the rate of about one football field of land every hour (about 18 square miles of land lost in a year). But within this sinking region, two river deltas are growing. The Atchafalaya River and its diversion channel, Wax Lake Outlet, are gaining about one football field of new land every 11 and 8 hours, respectively.
(28 February 2017)

Using high-resolution satellites to measure African farm yields Stanford researchers have developed a new way to estimate crop yields from space, using high-res photos snapped by a new wave of compact satellites. The approach, detailed in the February 13 issue of the journal of the Proceedings of the National Academy of Sciences, could be used to estimate agricultural productivity and test intervention strategies in poor regions of the world.
(25 February 2017)

Turn satellites into sparkling fireworks to burn up space junk Satellite debris that falls to Earth could be deadly, but pellets made of a heat-generating mixture could help them burn up safely in the atmosphere
(19 February 2017)

100 Earth-shattering remote-sensing applications and uses This list may change the way you feel about how this industry is changing our world and the way we think.
(13 February 2017)

CryoSat reveals lake outbursts beneath Antarctic ice A novel way of using ESA's CryoSat mission has revealed how lakes beneath Thwaites Glacier drained into the Amundsen Sea - potentially the largest such outflow ever reported in this region of West Antarctica.
(11 February 2017)

Keeping space communications reliable for an "always on" world So many of the services we all depend on today are powered by space communications. Without space the world economy, in many ways, turns back half a century in time. For some time now, we have been hearing from the Pentagon that space is no longer the sanctuary it once was.
(7 February 2017)

Sea ice cover in 2016 is lowest ever recorded Latest data from ISRO's weather monitoring satellite SCATSAT-1 has revealed changes in the sea ice cover over the Arctic and the Antarctic. According to ISRO, the changes in the Arctic summer minimum sea ice cover were observed using SCATSAT-1 data collected on October 02, 2016, and compared it with OSCAT data collected on October 02, 2011. It was observed that sea ice cover during 2016 is lower than that observed in 2011, which was earlier lowest sea ice record.
(6 February 2017)

Satellites counting whales from space revolutionising monitoring techniques for researchers A research team in Perth is becoming familiar with what whales look like from space. They have commissioned two satellite images to be taken from 600 kilometres above Earth in order to do an accurate headcount of humpbacks migrating up the WA coast.
(5 February 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)

Metal detected in Mars' Atmosphere NASA's MAVEN spacecraft has spotted iron, magnesium and sodium ions ??[illegible]electrically charged atoms - high up in the Red Planet's atmosphere over the past two years, a new study reports.
(12 April 2017)

Cassini prepares for last plunge NASA's unmanned Cassini spacecraft is preparing for its final plunge into Saturn later this year, after two decades of helping Earth-bound scientists make new discoveries about the sixth planet from the Sun and its mysterious rings.
(8 April 2017)

NASA observations reshape basic plasma wave physics When NASA's Magnetospheric Multiscale - or MMS - mission was launched, the scientists knew it would answer questions fundamental to the nature of our universe - and MMS hasn't disappointed. A new finding, presented in a paper in Nature Communications, provides observational proof of a 50-year-old theory and reshapes the basic understanding of a type of wave in space.
(6 April 2017)

Prolific Mars Orbiter Completes 50,000 Orbits The most data-productive spacecraft yet at Mars swept past its 50,000th orbit this week, continuing to compile the most sharp-eyed global coverage ever accomplished by a camera at the Red Planet. In addition, the spacecraft - NASA's Mars Reconnaissance Orbiter (MRO) - recently aided preparations for NASA's next mission to Mars, the InSight lander.
(3 April 2017)

NASA orbiter shows Mars lost 90 per cent of its CO2 to space The MAVEN spacecraft has completed the key part of its mission: to track down how much argon Mars's atmosphere is giving up as a proxy for carbon dioxide loss
(2 April 2017)

ExoMars: Rover scientists to study Mawrth Vallis option Scientists are going to investigate a second site on Mars as a possible destination to send ESA's 2021 rover. Scientists spent two days considering the options and plumped in the end for Mawrth Vallis - an area rich in clay minerals that must have formed during prolonged rock interactions with water. Mawrth joins Oxia Planum, which was selected for study in 2015.
(29 March 2017)

New treasures from Juno: Jupiter dazzles during fourth close approach Image processor Bj[illegible]rn Jónsson shares some of his latest stunning images of Jupiter, created using data from NASA's Juno spacecraft.
(28 March 2017)

NASA's SDO sees a stretch of spotless Sun For 15 days starting on March 7, 2017, NASA's Solar Dynamics Observatory, or SDO, returned visible light images of a yolk-like spotless sun. This is the longest stretch of spotlessness since the last solar minimum in April 2010, indicating the solar cycle is marching on toward the next minimum, which scientists predict will occur between 2019- 2020.
(26 March 2017)

China's first cargo spacecraft to make three rendezvous with Tiangong-2 China's first cargo spacecraft Tianzhou-1 is expected to dock with the orbiting Tiangong-2 space lab three times after its planned launch in April, sources said. Tianzhou-1 will be sent into space from the Wenchang Space Launch Center in south China's Hainan Province aboard a Long March-7 Y2 carrier rocket.
(9 March 2017)

Orbiter steers clear of Mars moon Phobos NASA's MAVEN spacecraft performed a previously unscheduled manoeuvre to avoid a collision in the near future with Mars' moon Phobos. The Mars Atmosphere and Volatile EvolutioN (MAVEN) spacecraft has been orbiting Mars for just over two years, studying the Red Planet's upper atmosphere, ionosphere and interactions with the sun and solar wind.
(4 March 2017)

Increasing the sensitivity of next-generation gravitational wave detectors Nearly one year ago the LIGO Collaboration announced the detection of gravitational waves, once again confirming Einstein's theory of General Relativity. This important discovery by the Advanced Laser Interferometer Gravitational-Wave Observatory (aLIGO) has spurred great interest in improving these advanced optical detectors.
(27 February 2017)

Kepler's 'second life' - DLR researchers find six planets In 2009, NASA's Kepler space probe was launched, embarking on a mission to hunt for exoplanets. In 2013, due to the failure of two of its reaction wheels, the mission had to be modified. Mission control managed to change the operational modus and manoeuvre the telescope orbiter into a different position in its orbit around the Sun that enabled the mission to continue.
(24 February 2017)

Wonderful potentially habitable worlds around TRAPPIST-1 Scientists have found seven, Earth-size planets orbiting a star just 40 light years away. Three lie in the habitable zone and could have water on their surfaces.
(23 February 2017)

NASA's Kepler mission could detect exomoons formed by giant impacts The hunt is on for moons orbiting distant exoplanets - but only the most massive "exomoons" may be detectable.
(21 February 2017)

Juno Jupiter probe won't move into shorter orbit NASA's Juno spacecraft won't move into a closer orbit around Jupiter as originally planned, agency officials announced.
(20 February 2017)

Big data for the universe Astronomers at Lomonosov Moscow State University in cooperation with their French colleagues and with the help of citizen scientists have released "The Reference Catalog of galaxy SEDs" (RCSED), which contains value-added information about 800,000 galaxies.
(13 February 2017)

Who will get first dibs on the powerful James Webb Space Telescope? NASA has issued solicitation for science projects using the long-awaited and incredibly powerful successor to Hubble, which is scheduled to launch next year.
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Bulgarian satellite to launch on reused SpaceX Falcon 9 rocket in June A communications satellite built for a Bulgarian operator will be the second payload to launch on a previously-flown Falcon 9, that operator announced.
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NASA examines effects of 2017 spending bill on science As members of Congress took credit for NASA funding levels in a fiscal year 2017 omnibus spending bill, the agency's science leadership is examining how those funds will affect its programmes.
(7 May 2017)

US Air Force lines up space launch vehicle investments Orbital ATK, SpaceX and United Launch Alliance are key contenders for the Air Force's EELV launch service investments.
(5 May 2017)

India's Space Agency saves over US$2 billion per year for the country The Indian Space Research Organisation (ISRO) is not just building satellites or driving innovation by sharing its Lithium-ion batteries for powering vehicles, the space agency is helping fishermen locate better catchment areas. By doing this, ISRO is helping India save over $ 2 billion per year, said the ISRO chairman.
(2 May 2017)

Spaceport Prestwick to join forces with Newquay UK bid To win grant funding, Orbital Access will have to show how they will "develop spaceflight capabilities, such as building spaceport infrastructure or adapting launch vehicle technology for use in the UK".
(30 April 2017)

Myanmar plans to set up own satellite system Myanmar is planning to set up a satellite system of its own and to form a steering committee for the purpose, the official Global New Light of Myanmar reported.
(30 April 2017)

MUOS-5 Navy satellite online after engine failure A Navy communications satellite launched from Cape Canaveral Air Force Station last June is now online after a post-launch engine failure, according to builder Lockheed Martin.
(30 April 2017)

China courts international coalition set up to promote space cooperation A coalition was established Sunday in northwest China's Shaanxi Province to promote innovation and cooperation on space exploration under the the Belt and Road Initiative. The coalition, set up in the provincial capital of Xi'an, encompasses 48 universities, research institutes and academic organisations at home and abroad.
(28 April 2017)

ESA boosting its Argentine link with deep space Thanks to some high-tech improvements, ESA's radio dish in Argentina will be ready to receive the rising torrent of scientific data beamed back by future missions exploring deep in our Solar System.
(27 April 2017)

Houston Spaceport Breaks Ground On New Control Tower A new, state-of-the-art air traffic control tower for the city of Houston's Ellington Airport and Spaceport is expected to be operational by the end of next year.
(26 April 2017)

ISRO aims at increasing satellite launches to 12 per year The Indian Space Research Organisation is trying to increase its capacity to deliver by scaling up the frequency of launches to 12 per year from the seven at present by building more satellites and lowering the cost of access to space.
(25 April 2017)

US President signs Commercial Satellite Weather Bill President Trump signed into law this week a weather bill that includes provisions formally authorizing ongoing commercial satellite weather data projects and a study of future weather satellite needs.
(23 April 2017)

Australia's back in the satellite business with a new launch The first Australian-built satellites to be launched in 15 years have been sent to the International Space Station where they will be deployed from. Unlike the enormous satellites Australia uses for telecommunications, each of these new satellites is the size of a loaf of bread. But although small, they may provide a key step in enabling Australia's entry into the global satellite market.
(22 April 2017)

Mongolia launches its first satellite Mongolia launched its first satellite on Wednesday, part of its efforts to make use of new technology to diversify its resource-dependent economy.
(20 April 2017)

Creation of carrier rocket for Baiterek Space Complex to cost Russia $500Mln The director of the joint Kazakh-Russian enterprise JSC Baiterek said that the creation of a carrier rocket for the joint Russian-Kazakh Baiterek Space Complex at the Baikonur cosmodrome will approximately cost Russia $500 million, while the Kazakh side will finance the modernization of the existing facilities at the cosmodrome.
(20 April 2017)

Russia and US woo Brazil, hope to use advantageous base for space launches Russia, France, the United States and Israel are interested in using Brazil's Alcantara Launch Center (CLA) for space launches, according to Brazilian Defense Minister Raul Jungmann; the CLA is valued internationally for being the closest launch centre to the equator.
(20 April 2017)

China's National Space Agency outlines space exploration agenda China is pushing forward on a number of space fronts, including milestone-making robotic missions to the moon, as well as scoping out an automated Mars sample-return mission by 2030.
(17 April 2017)

Brexit raises question mark over UK's role in some European space projects The future participation of major segments of Britain's space industry in Europe's Galileo navigation system and Copernicus environmental network, two multibillion-dollar flagship programmes with dozens of satellites, is sure to be a significant part of negotiations as the UK withdraws from the European Union, according to a member of the European Commission.
(17 April 2017)

Opportunities

NASA AFRC Internship - NASA (United States)
previous work. Students are given an opportunity to interact with NASA researchers, engineers, and technicians in design, construction, implementation, verification

NASA Coordinator Lead - Raytheon (United States)
Raytheon is looking for a NASA Support Coordinator to assist the Sponsor in planning, formulating, managing and implementing policy and security procedures for

NASA History Division Internship - NASA (United States)
As part of NASA 's Office of Communications, student interns will assist the NASA History Division by writing our social media posts; writing features for our Web

NASA Journalism and Multimedia Fall Internship - NASA (United States)
INTRODUCTION: NASA invites students working towards degrees in journalism, communications, media relations, science writing, interactive journalism, or broadcast

NASA LaRC: Crew Systems and Aviation Operations - NASA (United States)
NASA is conducting research in the areas of intelligent flight systems, autonomous systems, aviation operations, flight deck systems, and crew

NASA LaRC: Flight Deck Technologies - NASA (United States)
NASA is conducting research into Increasingly Autonomous Systems (IAS) for the flight deck. This work involves computer programming, machine learning, and human in

NASA Open Mission Control Technologies Developer - Qualified Technical Services (QTS) (United States)
Work Location: NASA Ames Research Center (Mountain View, CA) Minimum Citizenship: US Citizen Clearance : US Government JOB DESCRIPTION An experienced software

Business Student Trainee - NASA Pathways Intern - Goddard Space Flight Center (United States)
Tuesday 4/11/2017 (4 day(s) away) ## Job Overview Summary About the Agency The NASA Pathways Intern Program provides students with the opportunity to explore NASA

Configuration Manager Copernicus
Job Overview EUMETSAT is an intergovernmental organisation created through an international Convention agreed by 30 European Member States. The primary objective of EUMETSAT is to establish, maintain and exploit European systems of operational meteorological satellites, taking into account as far as possible the recommendations of the World Meteorological Organization. The consultant shall perform Configuration Management engineering tasks in support to the Copernicus Programme and Service Management Office and to the Copernicusrelated missions, at first Sentinel3 and Jason3 operations and progressively Sentinel4, Sentinel5 and JasonCSSentinel6 rampup operations activities. Tasks Responsibilities Review and complement the applicable Configuration Management Plans, processes and working practices Deliver support to a wide range of users and give training sessions Support the identification, monitoring and control of configuration items including hardware, software and documentation d...

Copernicus Marine Training And User Support Expert
Job Overview EUMETSAT is an intergovernmental organisation created through an international Convention agreed by 30 European Member States. The primary objective of EUMETSAT is to establish, maintain and exploit European systems of operational meteorological satellites, taking into account as far as possible the recommendations of the World Meteorological Organization. The Engineer shall support the exploitation of the Sentinel3 marine data in respect to a growing community of users, in particular through the provision of information, management of training activities and engagement with user groups in coordination with the delegated entity responsible for the Copernicus Marine Environment Monitoring Service. The Engineer will be part of the training team and will work with experts across EUMETSAT and partners organizations. Tasks Responsibilities Identify and regularly update the relevant user organizations, there for and possible intermediaries on the sentinel3 marine mission and t...

Data Management Analyst - NASA Open Data Project - Qualified Technical Services, Inc (United States)
Work Location: NASA Ames Research Center (Mountain View, CA) Minimum Citizenship: US Citizen Clearance: US Government JOB DESCRIPTION Interested in improving the

Data Management Analyst/technical Writer, *Nasa* Project Open Data - Sgt Incorporated (United States)
Data Management Analyst/Technical Writer, NASA Project Open Data Information Technology Moffett Field, California Job ID: 20308 I'm Interested! Description

Development of Advanced Optical Diagnostics for NASA Ground Test Facilities - NASA (United States)
of several non-intrusive, advanced optical measurement techniques for use in NASA wind tunnel facilities in support of several strategic thrusts identified

Engineering internship with SOFIA at NASA Armstrong - NASA (United States)
Provide potential experience in leadership, engineering, and astronomy. The student will assist the SOFIA Program in the development and integration of various

Engineering Student Trainee - NASA Pathways Intern - Goddard Space Flight Center (United States)
Tuesday 4/11/2017 (4 day(s) away) ## Job Overview Summary About the Agency The NASA Pathways Intern Program provides students with the opportunity to explore NASA

EPSSG Operations Preparation Engineer
As part of the EPSSG Operation Preparation Integrated Team OPIT in the LEO Division, You will have the opportunity to cover Operation Preparation tasks focusing on the development of EPSSG System Operations. Tasks and Activities The scope of work will include You are responsible for the definition of the overall Operations Validation Plan OVP. You implement and coordinate the OVP for the validation of the operational scenarios and support the SIM Officer during the simulation campaigns. You coordinate with IVV team to deliver as necessary validated operational scenarios for VV test cases. You are responsible for the definition of system operation documentation for both nominal and contingency operations System Ops Guides in close coordination with OPS department. You develop and validate the end to end System Operation Procedures and Timelines for routine and contingency operations in coordination with satellite and system operations engineers. You coordinate with OPS team leaders to ...

Full Stack Developer - NASA Open Data Project - 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):

LEO Quality Assurance Engineer
Job Overview EUMETSAT is an intergovernmental organisation created through an international Convention agreed by 30 European Member States. The primary objective of EUMETSAT is to establish, maintain and exploit European systems of operational meteorological satellites, taking into account as far as possible the recommendations of the World Meteorological Organization. The Quality Assurance Engineer shall provide consultancy to the LEO QA Team which provides support to the LEO Division. EUMETSAT QA Engineers are deployed as integrated support to the various programmes, but belong to the PRS division which is part of the TSS Directorate. Tasks Responsibilities Implement EUMETSAT QA policies in the assigned areas, in accordance with the Programme specific QA plan for all phases covered by this SoW and the relevant contract Update the Programme specific QA plan as necessary Followup the satellite procurement activities performed by ESA Provide QA consultancy during the storage phases...

Mirror Integration Development for NASA 's Next Generation X-ray Optics (NGXO) Effort - NASA (United States)
black holes, galaxy clusters, and the evolution of matter and energy. But first, NASA needs to develop a mirror technology up to the challenge. The Next Generation

Optical AIT Manager
Job Overview With more than 200 employees, this company makes a vital contribution to the international space industry in the current operational areas of Solar Arrays, Launching Structures, and Instruments Systems. In these areas they belong to the world top. As Assembly, Integration and Test AIT manager for optical instruments, you are responsible for the assembly, integration and test of optical instruments for the space sector. Tasks Responsibilities In the early phases of a project you plan the AIT activities and coordinate with designers to achieve a design that is manufacturable and testable You will also plan which Ground Support Equipment GSE is necessary for the instrument You are involved in the procurement of the flight hardware and the GSE and you prepare the AIT phase by writing procedures and assigning people and resources During the AIT phase, you are responsible for the instrument and will lead a team of 2 to 10 people who execute the AIT activities This means th...

Project Manager
Our core activities include the designdevelopment and support of highcomplexity electronics based systems for Simulation Test EGSE Products, TTC TMTC Systems, HighRate TTC Modems and Data Processing Systems. Due to companys current growth we are searching for a Project

Manager. The individual will be responsible for all programmatic aspects of one or multiple projects throughout their complete project lifecycle. The main tasks of the candidate will be Preparation of Project ManagementDevelopment Plans. Creating and maintaining project planning for new and currently running projects at CSTS. Assigning and monitoring task progress via regular team meetings, etc. Controlling and monitoring project costs. Management of subcontractors as required. Direct interfacing to customers for all programmatic aspects. Coordinating activities within the project teams and reporting status to higher management. Participating in customer reviews. Providing input to procurement and production processes. ...

Quality Assurance QA Consultant
Work as a Quality Assurance QA Consultant at a renowned company based in Darmstadt, Germany that offers great opportunities to advance and learn alongside accomplished leaders. Our Company Profiler is a leading provider of expertise through corporate consulting, staffing solutions and HR services. We form the link between experts and companies from a wide range of industries. Our focus is in the IT, Communications Design and Aerospace Sectors POSITION ID2983 ROLEFUNCTIONQuality AssuranceQA Consultant in Darmstadt, Germany GENERAL CONDITIONS START 14 September 2017 LOCATION Darmstadt TYPE OF BUSINESS Aerospace CONTRACT FullTime employment WORKING LANGUAGE English, French is considered an advantage DEADLINE 05 June 2017 MUSTHAVE SKILLSMANDATORY The key person is required to have the experience and capability to fulfil the assigned task autonomously and without supervision. The key person shall have, as a prerequisite, a university degree and a background of at least 5 years in space sys...

Senior Mechanical Engineer
Job Overview ESO, the European Southern Observatory, is a 16nation intergovernmental research organization for groundbased astronomy. ESO provides stateoftheart research facilities to astronomers and is supported by Austria, Belgium, Brazil, the Czech Republic, Denmark, Finland, France, Germany, Italy, the Netherlands, Poland, Portugal, Spain, Sweden, Switzerland and the United Kingdom, along with the host state of Chile. Within the ALMA Technical Team ATT at ESO, a need has arisen for an experienced MechanicalEngineer. The ATT department at ESO is responsible for specific hardware maintenance support, improvements and providing technical expertise to the ALMA observatory in Chile, in particular for 25 highprecision radioastronomy antennas. ATT also manages hardware development projects and supports development studies, which are carried out with institutes in ESO member states. Tasks Responsibilities Mechanical development and implementation of upgrades Support the design and the i...

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
Celestia Satellite Test Simulation BV CSTS provides innovative hightech solutions to the international space community to support spacecraft development, AIT and post launch services. Our core activities include the designdevelopment and support of highcomplexity electronics based systems for Simulation Test EGSE Products, TTC TMTC Systems, HighRate TTC Modems and Data Processing Systems. Due to companys current growth we are searching for a Software Engineer. The individual will focus primarily on application level software design, implementation and validation. The main tasks of the candidate will be Requirements analysis. Specification preparation. Software design. Implementation and validation for systems to be used in the Space Ground Segment both for spacecraft prelaunch testing and postlaunch communicationsdata processing. Required key qualifications, skills and experience for the candidate Educated in computer science, aeronautics or electrical engineering M.Sc. or higher. 25 ...

Student Trainee (Engineering Technician) - NASA Pathways Intern Employment Program - Armstrong Flight Research Center (United States)
4/12/2017 (5 day(s) away) ## Job Overview Summary About the Agency The NASA Pathways Intern Program provides students with the opportunity to explore NASA

Student Trainee (Engineering) - NASA Pathways Intern Employment Program - Armstrong Flight Research Center (United States)
4/12/2017 (5 day(s) away) ## Job Overview Summary About the Agency The NASA Pathways Intern Program provides students with the opportunity to explore NASA

Student Trainee (Engineering) - 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

Student Trainee (Resources Analyst) - NASA Pathways Intern Employment Program - Armstrong Flight Research Center (United States)
4/12/2017 (5 day(s) away) ## Job Overview Summary About the Agency The NASA Pathways Intern Program provides students with the opportunity to explore NASA

Systems Level Assessment of NASA Advanced Technologies for Space Missions and Aerospace Concepts - NASA (United States)
NASA Langley Research Directorate is developing a range of advanced technologies intended for use in space missions and aeronautics applications. The purpose of this

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