Astronautical News

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In cooperation with
The British Interplanetary Society

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Tiny probes hold big promise for future NASA missions A team of NASA engineers has been working on a new type of Thermal Protection System (TPS) for spacecraft that would improve upon the status quo.

Orbital cargo mission lifts off to ISS Orbital ATK's seventh NASA-contracted International Space Station resupply mission lifted off from Cape Canaveral on April 18.

Microsatellites, megaconstellations and strategies for combatting increasing volumes of space debris On 15 February 2017, an Indian rocket released a record number of 104 satellites into space simultaneously. In addition to one 714-kilogram Earth observation satellite and two smaller technology experimentation satellites, the payload consisted of 101 microsatellites weighing between one and four kilograms.

Space agency heads see the Moon on the path to Mars With NASA's long-term strategy for human missions to Mars in flux, heads of several space agencies said they supported initial missions to the moon as a key step before going to Mars.

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.

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.

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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.

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.

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.

BAE Systems to develop U.S. space, missile defense tech BAE Systems received a contract to research and develop new space and missile defense technologies for the U.S. Army, the company announced. The enterprise is one of eight contractors to compete for the $3 billion indefinite delivery, indefinite quantity deal. It was awarded by the U.S. Army's Space and Missile Defense Command/Army Forces Strategic Command, or SMDC/ARSTRAT.

Recent Launch Activities

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(19 April 2017)

Long March 3B launches experimental ChinaSat-16 satellite The Chinese returned to launch action with the lofting of a new experimental communications satellite from the Xichang Satellite Launch Centre. The launch was conducted by the Long March 3B G2 'Chang Zheng-3B/G2' (Y43) from the LC2 Launch Complex in Sichuan province.
(12 April 2017)

Success for SpaceX 're-usable rocket' SpaceX has successfully re-flown a segment from one of its Falcon 9 rockets. The first- stage booster, which was previously used on a mission 11 months ago, helped send a telecommunications satellite into orbit from Florida's Kennedy Space Center. It marks an important milestone for SpaceX in its quest for re-usability.
(31 March 2017)

Development Activities

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)

France, Japan aim to land probe on Mars moon France and Japan want to recover pieces of a Martian Moon and bring them back to Earth, the head of France's National Centre for Space Studies (CNES) said. The Martian Moons Exploration project would launch a probe in 2024 destined for Phobos, the largest and closest of two moons circling the Red Planet.
(15 April 2017)

China's lunar sample return mission will pave way for future ambitions Later this year, China is launching the Change'5 spacecraft to return a sample from the Moon. The mission will pave the way for future ambitions, including crewed trips to the lunar surface.
(7 April 2017)

China planning long-term deep-space robotic missions China's space organizations are beginning to plan science missions beyond Mars, even as its engineers prepare to return samples from the Moon to Earth this year, and from Mars by 2030.
(6 April 2017)

Russia to build first new-generation 'Federation' spacecraft by 2021 The first Russian next-generation manned spacecraft called the Federation, which is 80 percent built of composite materials, will be manufactured by 2021, Russia's Energia space corporation said.
(22 March 2017)

ESA's Jupiter mission moves off the drawing board Demanding electric, magnetic and power requirements, harsh radiation, and strict planetary protection rules are some of the critical issues that had to be tackled in order to move ESA's Jupiter Icy Moons Explorer - Juice - from the drawing board and into construction.
(17 March 2017)

Blue Origin developing 10,000-lb. lunar polar lander A robotic lunar lander capable of delivering as much as 10,000 lb. of cargo to a permanent outpost on the rim of the Moon's polar Shackleton Crater could make its first flight by July 2020, with a little help from NASA. Blue Origin owner Jeff Bezos said that his company has been working on a cargo lander that would support a human base set up in a zone of almost full-time sunlight on the crater's rim.
(4 March 2017)

China hopes to conduct second mission to Mars by 2030 China is likely to conduct its second Mars mission, aimed at collecting soil samples for analysis, by 2030, according to the China Aerospace Science and Technology Corporation (CASC).
(3 March 2017)

ISS Activities

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)

Russia could stay with the International Space Station to 2028 The orbital outpost is presently slated to be retired as early as 2024.
(10 April 2017)

Spacewalks to advance Space Station commercial crew dockings NASA is prepped to lay the groundwork for the installation of the second of two U.S. International Space Station commercial docking ports with a series of spacewalks.
(24 March 2017)

SpaceX Dragon returns to Earth After carrying nearly 5,500 pounds of supplies and experiments to the International Space Station on Feb. 23, the SpaceX Dragon capsule officially detached and began its descent to Earth.
(19 March 2017)

Space Tourism

No Roscosmos plans to send space tourists to ISS before 2020 Russia's Roscosmos state corporation has no plans to send space tourists to the country's segment of the International Space Station (ISS) before 2020, Roscosmos deputy director general for international cooperation told Sputnik in an interview.
(11 April 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.
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(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)

Time to make sure Europe's troubled satnav system really flies Europe's costly Galileo satnav network has been branded a vanity project. In an isolationist world, it now seems a wise insurance policy, says Paul Marks
(4 February 2017)

ISRO to launch backup satellite to replace IRNSS-1A India will launch one of its back up navigation satellites this year as a replacement to IRNSS-1A satellite, whose three atomic clocks have failed, ISRO said. The agency denied the existence of similar problems with the rubidium atomic clocks in another navigation satellite.
(4 February 2017)

African villagers use satellite data to help save wild chimpanzees Given that chimpanzees are a keystone species and the closest extant relative to humans, their rapid decline in the wild has sparked widespread concern. In response, NASA and the Jane Goodall Institute partnered on a project that aims to use space-down views of chimpanzee habitats to guide local activists involved in conservation.
(31 January 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 ??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 Bjrn 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.
(10 February 2017)

Angling up for Mars science ESA's latest Mars orbiter has moved itself into a new path on its way to achieving the final orbit for probing the Red Planet.
(9 February 2017)

Gravitational wave detector prepares to peer into bizarre stars It has already made the discovery of the decade ?? next LIGO aims to model weird events so we can recognise them when they arrive
(8 February 2017)

WorldView-4, DigitalGlobe's newest satellite, enters service DigitalGlobe's WorldView-4 high-resolution-imaging satellite entered service this week, following nearly three months of in-orbit testing and calibration.
(7 February 2017)

NASA spacecraft to hunt for Earth's asteroid 'ghosts' NASA's asteroid-sampling Osiris-Rex mission will search for possible Trojan asteroids that could be travelling along with Earth around the sun.
(5 February 2017)

Galactic X-rays could point way to dark matter A small but distinctive signal in X-rays from the Milky Way could be key to proving the existence of dark matter. That is the claim of US scientists who analysed the energy spectrum of X-rays gathered by NASA's Chandra satellite. They found more X-ray photons with a particular energy than would be expected if they were produced only by familiar processes. Those photons could in fact have been generated by the decay of dark matter particles, say the researchers.
(2 February 2017)

Fermi sees gamma rays from 'hidden' solar flares An international science team says NASA's Fermi Gamma-ray Space Telescope has observed high-energy light from solar eruptions located on the far side of the sun, which should block direct light from these events.
(1 February 2017)

Close views show Saturn's Rings in unprecedented detail Newly released images showcase the incredible closeness with which NASA's Cassini spacecraft, now in its "Ring-Grazing" orbits phase, is observing Saturn's dazzling rings of icy debris. The views are some of the closest-ever images of the outer parts of the main rings, giving scientists an eagerly awaited opportunity to observe features with names like "straw" and "propellers."
(31 January 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)

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(16 April 2017)

Two Vostochny launches expected in late 2017 Russia plans to hold two launches from its newest Vostochny space centre in the Far East this December, the head of the Roskosmos space corporation told the Rossiiskaya Gazeta government daily.
(14 April 2017)

SSL completes agreement to partner with DARPA on satellite servicing Space Systems Loral (SSL) announced that it has signed and executed an agreement with the U.S. Defense Advanced Research Projects Agency (DARPA) to develop advanced capabilities for servicing and maintaining spacecraft in geostationary orbit.
(13 April 2017)

SES and Luxembourg government extend SATMED E-Health contract SES and the Luxembourg Ministry of Foreign and European Affairs report that they have extended a contract to maintain and support SATMED, an e-health satellite platform, until 2020.
(11 April 2017)

Ukraine in talks with ESA to become member Ukraine's State Space Agency is currently in accession discussions with the European Space Agency (ESA) to become its member.
(10 April 2017)

Russia critcal to ExoMars Project says Italian Space Agency Head Russia is a fundamental partner in the joint project between the European Space Agency (ESA) and Russia's Roscosmos space corporation ExoMars, Italian Space Agency (ASI) President Roberto Battiston told Sputnik.
(8 April 2017)

Norway joins US Strategic Command space data sharing programme The U.S. Strategic Command is to share space situational services and data with Norwegian government agencies under a memorandum of understanding.
(8 April 2017)

Russia offering Brazil to develop Gonets-like satellite system Director General of Russia's Reshetnev Information Satellite Systems company said that Russia is offering Latin American states, in particular Brazil, to develop a satellite communications system similar to Gonets system, which will be capable to completely meet the communication needs of the region.
(6 April 2017)

Russian plant to overhaul nearly all Proton rocket engines in 2017 Russia's Voronezh Mechanical Plant will overhaul nearly all the recalled engines for the Proton launch vehicles this and next year, the head of Russia's Energomash space and rocket engine manufacturer told Sputnik. Energomash Director General Igor Arbuzov said the 71 engines constitute "almost all of the second and third stage reserves."
(4 April 2017)

ISRO to outsource satellite manufacturing after 30 years Having been unable to keep pace with satellite fabrication, the ISRO is involving private industry to bridge the gap.
(3 April 2017)

Ukraine firms to supply rockets for spaceport Ukraine's aerospace giants Yuzhmash and Yuzhnoye Design Office have agreed to supply rockets to launch satellites into space from a new spaceport to be built in eastern Canada. This tracks with a trend of Ukraine industry of replacing traditional Russian partners with new Western ones.
(1 April 2017)

Russia hopes India will join initiative on non-deploying weapons in space Russia hopes India will join the Russian initiative on non-deployment of weapons in outer space, Russian Foreign Ministry's Non-Proliferation and Arms Control Department Director Mikhail Ulyanov said. Ulyanov reminded that in 2004, Russia took a unilateral decision not to be the first to place weapons in outer space, setting a good example for other countries to follow suit.
(29 March 2017)

Vietnam set to produce satellites by 2022 Vietnam targets to self-develop Lotusat-2 by 2022 when its technical facilities for satellite research, assembly, integration and testing are ready to operate, according to the Vietnam National Satellite Center (VNSC).
(27 March 2017)

Bangladesh to join India's South Asia Satellite initiative Bangladesh has signed an agreement with India to formally join New Delhi's 'South Asia Satellite' initiative, through which the Indian Space Research Organisation (ISRO) will launch a communication satellite for serving the South Asia region.
(27 March 2017)

Russian Aerospace Forces to launch over 20 spacecraft Russia's Aerospace Forces in 2017 are planning to launch 15 carrier rockets into space, during which over 20 spacecraft will be placed into orbit," the forces' commander, Col. Gen. Viktor Bondarev, said
(20 March 2017)

NASA studying shared Venus science objectives with Russia A team of NASA-sponsored scientists are meeting with the Russian Academy of Sciences' Space Research Institute (IKI) to continue work on a Joint Science Definition Team study focused on identifying shared science objectives for Venus exploration.
(14 March 2017)

UK funding space entrepreneurs The UK Space Agency has awarded just under 150,000 pounds to three business incubation centres across the UK which will support entrepreneurs and small companies in the space industry. The Agency is working with UK industry to deliver world-class science innovation support, in line with the Government's Industrial Strategy, which emphasises the importance of science, innovation and skills.
(14 March 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 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

Applied PhysicistEngineer
Vacancy in the Directorate of Science 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 Applied PhysicistEngineer in the Payload Technology Validation Section, Future Missions Department, Directorate of Science. This post is classified in the A2A4 grade band on the Coordinated Organisations salary scale. LOCATION ESTEC, Noordwijk The Netherlands. DUTIES The Section is in charge of missionoriented validation activities for science missions, aiming to reduce development risks in the implementation phase. It also provides general support to the Directorates other Departments for specific validation activities, for missions under development or during operations. Reporting to the Head of Section, the postholder will perform these main tasks list not exhaustive providing technical, engineering and scientific support for validation activities in the Section t...

Data Management Analyst, NASA Project Open Data - SGT,Inc. (United States)
SGT CAREERS DATA MANAGEMENT ANALYST, NASA PROJECT OPEN DATA Engineering Moffett Field, California Job ID: 20308 I'm Interested! DESCRIPTION Interested in improving

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 Engineer
AST Advanced Space Technologies GmbH is a young aerospace company. It develops and produces propellant management equipment for electric propulsion systems. For the setup for our serial production, we are searching for spirited and dedicated employees. Together with a team of engineers, scientists and technicans you will develop our space products. Also the tools and jigs for production and test of such components will be part of your development work. You main focus will be on the design of mechnical components and subsystems. Your responsibilities Design of parts, components, subsystem and related tools and jigs using SolidWorks Support of our development team for system engineering Coordination of technical issues with internal and external workshops Our expectations Bachelor or Master in engineering Good practice with CAD Good knowledge in Excel and Word fluent in English, good level in German Highly motivated and self organized work Your ideal profile Experience in the a...

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

Equipping Design Engineer
A Mechanical Design Engineer is being recruited by Airbus in Stevenage to work in the Equipping Design Section within a dynamic multiproject team environment in the Telecoms Business Unit. Project teams are collectively responsible for the detailed design and manufacture of the satellite mechanical platform which comprises the structure, propulsion system, thermal hardware and harnessing for Eurostar 3000 and other spacecraft. Equipping drawings define the detailed installation of nonstructural mechanical, thermal and electrical components on the spacecraft structure and the successful candidate will play a significant role within a team of engineers responsible for equipping, a focus of which is the provision of these detailed design drawings to cost, performance and schedule constraints. The Key Responsibilities of the position are Organising regular interface meetings and negotiating with system teams to agree data deliverables and schedules. Maintaining Key Interface Data lists to...

Facilities Management Process Improvement - NASA Independent Verification and Validation (IV&V) Program Support Office (PSO) - NASA (United States)
Activities for which internship efforts within the NASA Independent Verification and Validation (IV&V) Program Support Office (PSO) consist of basic facilities

Procurement Manager
AST Advanced Space Technologies GmbH is a young aerospace company. It develops and produces propellant management equipment for electric propulsion systems. For the setup for our serial production, we are searching for dedicated employees. You will be the interface between our production and the suppliers of components and materials. You will track and optimize the supplier relationships in respect of delivery reliability and quality. Together with the quality manager, you will plan the incoming goods inspection, and support the quality control by reviews and audits at the suppliers. Your responsibilities Supplier selection and management Sourcing of components and materials Planning the technical incoming goods inspection Support of the production planning Tracking the production processes of external suppliers as well as setting up statistics of the delivery reliability and quality Early identification of delivery delays Review and audit of suppliers Creation of documents, p...

Project Manager
AST Advanced Space Technologies GmbH is a young aerospace company. It develops and produces propellant management equipment for electric propulsion systems. For the setup of our serial production, we are searching for dedicated employees. At the interface of customers, RD and production, you will manage our projects and support the production team in the industrialization. Your responsibilities Taking over the project lead for development and delivery orders Coordination of business projects and external customer projects Supporting and leading of subcontractors Support for the creation of project proposals in close cooperation with the managing director Requirementsengineering RFWRFDNCR management Our expectations Independent, reliable and accurate work High quality and cost awareness Good knowledge of common IT applications University degree with technical focus Fluent in German and English. Knowledge in French advantageous. Willingness to travel in Germany and abroad Kn...

QA Manager
AST Advanced Space Technologies GmbH is a young aerospace company. It develops and produces propellant management equipment for electric propulsion systems. For the setup for our serial production, we are searching for dedicated employees. Your responsibilities Planning and implementation of internal quality control strategies Definition and implementation of QA processes RD support in production processes Clearance of production processes Execution of statistical analyses for process stability and system stability Clearance of outgoing goods after quality control CoC Planning of the technical incoming goods inspection together with the supply chain manager Review and audit of suppliers Our expectations Independent, reliable and accurate work Planned and structured work with high quality awareness Good technical understanding Good knowledge of Excel, MS Project and other common office software Business fluent in German and English. Knowledge in French advantageous Experi...

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

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Test Engineer mf
AST Advanced Space Technologies GmbH is a young aerospace company. It develops and produces propellant management equipment for electric propulsion systems. For the setup for our serial production, we are searching for spirited and dedicated employees. In the frame of an international project, you will be responsible to develop and implement test setups, to plan test campaigns, and to perform tests of space flight hardware. You support the production team during the rampup of a series production. After successful industrialization you will be responsible for the acceptance tests. Your responsibilities Development of test setup and equipment Planning of test campaigns Preparation of test related documents Support of production team Acceptance tests of flight hardware Our expectations University degree in engineering of science Knowledge in programming C, Python andor Visual Basic Good knowledge in Excel and Word fluent in German, fluent in English Highly motivated and self or...

Vega Future Missions Engineer
Vacancy in the Directorate of Space Transportation 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 Vega Future Missions Engineer in the Vega Production and Future Missions Project, Vega Exploitation Programme, Launchers Exploitation Department, Directorate of Space Transportation. This post is classified in the A2A4 grade band on the Coordinated Organisations salary scale. LOCATION ESRIN, Frascati Italy. DUTIES Reporting directly to the Vega Production and Future Missions Project Manager, the postholder will be specifically responsible for assessing the industry deliverables related to the feasibility, definition and implementation of future Vega missions, in particular for Light Satellite multiPayload missions assessing the missionisation technical documentation both produced by the launcher system prime contractor and the launchservice provider prep...

Vega GNC and Functional Engineer
Vacancy in the Directorate of Space Transportation 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 Vega GNC and Functional Engineer in the VEGA Launcher System Development Avionics, Vega and Space Rider Development Programmes, Space Transportation Development Department, Directorate of Space Transportation. This post is classified in the A2A4 grade band on the Coordinated Organisations salary scale. LOCATION ESRIN, Frascati Italy. DUTIES Under the authority of the VEGA Launcher System Development Avionics Manager, the postholder will be involved in Vega Development and Exploitation activities. Within the frame of the Vega development, the range of activities encompasses the development of VegaC, VegaE and relevant Vega spinoffs e.g. Space Rider, SSMS dispenser, Venus in the field of functional avionics equipment e.g. onboard computer, multifunctional ...

Vega Mechanical Systems Engineer
Vacancy in the Directorate of Space Transportation 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 Vega Mechanical Systems Engineer in the Vega Launcher Stages Engineering, Vega and Space Rider Development Programmes, Space Transportation Development Department, Directorate of Space Transportation. This post is classified in the A2A4 grade band on the Coordinated Organisations salary scale. LOCATION ESRIN, Frascati Italy. DUTIES Under the authority of the Vega Launcher Stages Engineering Manager, the postholder will be involved in Vega Development and Exploitation activities. Under Vega Development, the range of activities encompasses the development of VegaC, VegaE and relevant Vega spinoffs e.g. Space Rider, SSMS dispenser, Venus in the field of primary cold structures e.g. thrustframes, skirts, interstages, fairing, payload adapters, dispensers, th...

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