

Spaceport News



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http://www.nasa.gov/centers/kennedy/news/snews/spnews_toc.html

World space leaders convene for ISS plans

U.S., Canada, Europe, Japan, Russia endorse international partnership

The heads of space agencies from Canada, Europe, Japan, Russia and the United States met at Kennedy Space Center on March 2 to review International Space Station cooperation and endorse a revision to the station configuration and assembly sequence.

The heads of the agencies were also briefed on the status of ongoing International Space Station operations and flight hardware development activities across the partnership. The partners reaffirmed the commitments of their agencies to meet their mutual obligations, to implement six-person crew operations in 2009 and an adequate number of shuttle flights to complete the assembly of the space station by the end of the decade.

The partners also affirmed their plans to use a combination of transportation systems provided by Europe, Japan,



LEADERS FROM space agencies around the world met at the International Space Station Heads of Agency meeting at Kennedy Space Center. They include, from left: Canadian Space Agency Vice President of Space Science, Technology and Programs Virendra Jha; Russian Federal Space Agency Head Anatolii Perminov; European Space Agency Director-General Jean-Jacques Dordain; NASA Administrator Michael Griffin; and Japan Aerospace Exploration Agency President Keiji Tachikawa.

Russia, and the U.S. to complete space station assembly in a timeframe that meets the needs of the partners and to ensure full use of the unique capabilities of the space station throughout its

lifetime.

The International Space Station partnership leaders expressed their appreciation for the outstanding work being conducted by the space station

on-orbit crews and ground support personnel. They commended them for their creativity in making full use of available

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Redesigned external tank arrives for STS-121



DISCOVERY'S EXTERNAL tank arrived March 2.

The redesigned external fuel tank that will launch Space Shuttle Discovery on the next shuttle mission, STS-121 arrived March 2 and was towed from the Launch Complex 39 turn basin to the Vehicle Assembly Building. The Pegasus barge delivered the tank from the Michoud Assembly Facility in New Orleans. After the tank was moved into the VAB, it was lifted into a checkout cell for further work. The 154-foot tank, designated ET-119, will fly with many major safety changes, including the removal of the protuberance air load ramps. The ramps were removed to eliminate a potential source of damaging debris to the space shuttle.



Jim Kennedy
Center Director

The Kennedy Update

As this column was heading to the printer, our Launch Services Program team was on the verge of launching Space Technology 5 at Vandenberg Air Force Base, Calif. Whether it actually launched or will do so very soon, I have no doubt it will be a tremendous success and another feather in the cap of our LSP and a chapter of success in NASA history.

I need to let you know about a personnel change involving my leadership team. Beginning last Monday, Nap Carroll and Susan Kroskey have switched positions.

Nap is taking the helm of the Cape Canaveral Spaceport Management Office while Susan

becomes KSC's chief financial officer, leading the people in the directorate commonly referred to as GG. As you know, we've reorganized in several areas during the past few months to help us prepare for the future and this is the latest announcement in this effort.

I believe this switch leverages both Nap and Susan's natural capabilities, and I want to thank them both for the tremendous jobs they have done. To the people of CCSMO and GG, thanks for the wonderful support you have given Nap and Susan over the years and please welcome them both to their new directorates.

We have the greatest team in the world at KSC and I believe it

just became even better.

While it's still a few weeks away, April is shaping up to be a remarkable month here at KSC. On April 12, we will mark the 25th anniversary of easily the most ambitious and successful test flight ever, STS-1, as we celebrate the heroics of Commander John Young and Pilot Bob Crippen.

While I was proud to play a role in the SRB program at Marshall at the time, I can only imagine what it must have been like in the months and days and

"Mark your calendar now and tell family and friends, because it will be a once-in-a-lifetime opportunity."

then hours and minutes leading up to this historic launch. It was easily the most exciting time since Apollo 11 in 1969 and certainly in the top five all time moments of NASA history.

We're going to do our best to capture the magic again as Young and Crippen are coming back to KSC for celebratory events April 7. They will make a rare public appearance at 2:30 p.m. at the Visitor Center to share their personal stories and space flight experiences.

Young and Crippen will also be the featured speakers at a special "Lunch with the Astronauts" program at 1 p.m. with an up-close and personal presentation. And while not finalized, we are working to set up an employee event with the time and date to come.

But mark your calendar now and tell family and friends, because it will be a once-in-a-lifetime opportunity.

The calendar keeps turning toward May and the launch of Discovery on STS-121. I know there is much work to do and these are certainly very stressful times. I just urge everyone to

"measure twice and cut once" with whatever task they are performing to ensure we are being as safe as possible in the shuttle processing world.

I know the entire center shares in the excitement (and pride) of the upcoming return to flight.

Have a great week and be safe on spring break for those traveling with children over the next two weeks. See you around the center!

March NASA employees of the month



THE MARCH NASA employees of the month, seated from left, include: Gary Fooks, Center Operations; Traci Just, Engineering Development; and Steve Stover, Shuttle Processing. Standing from left are: Bob Freeman, Launch Services; and Jan Pirkle, Procurement Office. Not pictured are: James Vatne, Chief Counsel; Dave Ungar, Information Technology and Communications Services; Patti Lacanne, International Space Station and Payload Processing; and George Cole, Safety and Mission Assurance.

GOES-N returns to Astrotech for checkout

Inside a high bay at Astrotech Space Operations in Titusville, the GOES-N spacecraft is revealed after removal of the fairing to allow testing. GOES-N was demated from its Boeing Delta IV launch vehicle on Launch Complex 37 at Cape Canaveral Air Force Station. The launch was postponed in August 2005 due to technical issues. Due to the extended length of time the spacecraft had been atop the Delta IV without launching, the weather satellite is undergoing some retesting.



Sowards enjoys technical engineering in Constellation Project Office

By Linda Herridge
Staff Writer

Echoing the words of Eleanor Roosevelt, “You must do the thing which you think you cannot do,” Kennedy Space Center technical engineer Stephanie Sowards takes that message further and adds, “or what others think you cannot do.”

Sowards is one of many women at KSC making a difference by contributing to the nation’s space program. After getting married, having a child and working with her husband in a local car rental business, Sowards decided to pursue what she refers to as her “second career” with NASA.

Her current work in the Constellation Project Office includes setting up integrated test and verification processes to verify the crew exploration vehicle, crew launch vehicle and future constellation elements and vehicles.

“All of the facilities, the ground systems and our entire launch system processing are the greatest assets we have for the Constellation Program,” Sowards said. “Constellation is an excit-

ing and adventurous space era that will combine a legacy program like Apollo with new technology to take us back to the moon and beyond.

“It’s interesting to research and study how it was done then, and take that intelligence and build upon it with what we’ve learned since,” Sowards said.

Sowards started her career at KSC in 1988, working as a co-op student in computer services while attending school. After earning a Bachelor of Science degree in computer science from the University of Central Florida in 1992, Sowards was hired full time by NASA.

Nine years later, she moved to the International Space Station and Payloads Processing directorate to work closer to the mission of NASA.

Her position as Command and Data Handling System engineer put Sowards directly in the hub of activity at the Space Station Processing Facility. She worked on multi-element integrated tests (MEITs) for several station components including the Japanese Experiment Module, Node 2, U.S. lab Destiny and several truss elements.

Sowards managed the space

station flight emulators. The testing process simulated elements already on the station or not yet delivered to KSC as closely as possible in order to complete the configuration of an MEIT.

She also managed off-site venue integration testing at the International Space Station System Integration Lab in Houston and the Space Power and Electrical Lab in Canoga Park, Calif.

Recently, Sowards was among several nominees for a technical achievement award by the Space Coast Section of the Society of Women Engineers. She received the nomination “for outstanding technical leadership in execution of the president’s Vision for Space Exploration and demonstrating the highest standard of personal integrity.” Though she did not win, Sowards said she was honored to be nominated.

Sowards added that KSC is the safety net of the space program, since it is the last opportunity to catch anomalies prior to launching into space. “We have to be the best at what



STEPHANIE SOWARDS is a command and data handling system engineer in the Constellation Project Office.

we do. KSC is important and critical to the program.”

Originally from White Sulphur Springs, W. Va., she and her husband Brad have three sons, ages 24, 12 and 9. She enjoys water skiing, NASCAR racing, bicycling, and the technical aspect of her work at KSC.

“The work is all part of a team effort,” Sowards said. “I wholeheartedly believe that KSC has a world-class team of engineers and I’m honored to be part of this team.”

My Story

By Linda Herridge

InDyne Public
Affairs Writer



This column provides Kennedy Space Center employees and retirees a chance to tell a story about their life.

When I graduated from sixth grade in 1968, one of my teachers wrote in my memory book, “Happiness makes up in height for what it lacks in length.” I put the book away and did not think about that phrase for a long time.

I remember watching television with my parents as a young child.

The old black-and-white set televised three events whose images are still with me today: John F. Kennedy’s funeral, Martin Luther King’s assassination, and the launch and lunar landing of Apollo 11.

As years went by, I recalled that phrase from my memory book and what it means to me. I spent

the first 30 years of my life in Michigan, graduating from college with a degree in journalism and working for a local community newspaper and then for several advertising agencies.

All the while, in the back of my mind, was the yearning to be part of our nation’s space program. That opportunity came to me, finally, much later in my life. After marriage in 1988 to an engineer working at KSC, I moved to Cocoa Beach and adjusted to life here in Florida. I was getting closer to my dream.

After working in radio for several years, the opportunity came in 2001. I was hired as a public affairs writer by InDyne. It was the fulfillment of a wish from childhood. Though I do not have a

direct role in those awesome space shuttle launches from the pad, I do get to interview and write about the people who make it happen. And it’s exciting to assist the Media Services branch of the External Relations directorate during shuttle launches and landings at the KSC News Center. It’s been five years and every day has been unique.

As for the height part of that phrase – one of the most memorable opportunities was the day I helped to escort some photographers to the top of the Vehicle Assembly Building for the launch of mission STS-105 aboard Space Shuttle Discovery. I will never forget the view. Oh, it also cured my fear of very high elevator rides – up and down!

KSC co-sponsors FIRST Robotics Florida regional

By Jeff Stuckey
Editor

After spending hundred of hours helping to build Roccobot, the Kennedy Space Center-sponsored Pink Team's robot in the 2006 For Inspiration and Recognition of Science and Technology (FIRST) Robotics Competition, Rockledge High School senior Sam Mallikarjunan had no idea he would be rubbing elbows with some of Florida's most powerful politicians.

Mallikarjunan, wearing a pink wig, shirt and tie, first spoke with Gov. Jeb Bush during the opening ceremonies of the event, held at the University of Central Florida in Orlando on March 10 when he introduced the inaugural Governor's Award. The senior then served as co-master of ceremonies at a luncheon featuring Lt. Governor Toni Jennings, where he sat at her table.

"It was great meeting the governor. He is a really friendly guy," Mallikarjunan said. "It was also great that he was wearing our Pink Team button. I know he supports our education system. I really enjoyed hearing and meeting the lieutenant governor, as well."

In its 15th year, the FIRST Robotics Competition brings together students, mentors, teachers and parents to collaborate and share challenges after

six weeks of designing and building each robot. This hands-on learning experience with state-of-the-art technology is one of the most effective ways to prepare young people for a successful future in science and technology.

Fifty-four high school teams competed in the 2006 Florida regional competition, including 40 Florida schools. The finals will be held April 27 to 29 at the Georgia Dome in Atlanta.

This year's competition was named "Aim High" and was played by a pair of three-team alliances on a 54-foot by 26-foot field with robots that cannot exceed 60 inches high and weigh more than 120 pounds.

Each alliance has three goals in which to score, including two corner goals where both robots and human players may throw or push balls and one center goal where only robots may throw balls.

Next, robots acting in autonomous mode may score points. The alliance with the highest score receives 10 bonus points, then goes on defense for the next period. At the end of the second period, the alliances switch offensive and defensive roles. Before the final buzzer sounds, robots rush to their end zone and climb the ramp to the platform under the center goal.

During a luncheon for sponsors and selected students, KSC Director Jim Kennedy



SAM MALLIKARJUNAN (left), a Rockledge High School senior and member of the KSC-sponsored Pink Team, presents Florida Gov. Jeb Bush with the inaugural Governor's Award at the 2006 FIRST Robotics Florida Regional held at the University of Central Florida in Orlando.

called the event a celebration of the nation's youth and their use of science and technology.

"It is an honor for all of us at NASA to co-host this robotics competition with the University of Central Florida," Kennedy said. "This event will make a huge difference in our world in the years to come, as we train and inspire the youth participating in

this robotics competition. NASA has a mission to inspire the next generation of explorers, but in our attempt to inspire the youth, you, in turn, inspire us with your efforts."

Students who compete in FIRST are eligible for close to \$8 million in scholarships. Visit www.usfirst.org for details.



NASA AND the University of Central Florida are co-sponsors of the Florida regional, which this year included more than 50 teams.



CENTER DIRECTOR Jim Kennedy (standing third from left) talks to members of the Pink Team, comprised of students from Rockledge and Cocoa Beach High Schools. To the right of Kennedy is Neil Berger, the center director's intern. Kennedy is a proud Cocoa Beach High School alumnus.

World space leaders gather at KSC to discuss space station

PARTNERSHIP (Continued from Page 1)

resources to operate the space station, prepare for assembly missions and carrying out scientific research aboard the station.

The uninterrupted flow of Russian vehicles, the outstanding performance of Canadarm2, the successful shuttle logistics flight, and the resourcefulness of all of the partners' ground-based engineers, researchers and operations personnel have served to highlight the strength of the station partnership.

The partners look forward to the upcoming space shuttle flight of the STS-121 mission, a return to station assembly activity and a permanent crew of three.

They also noted the upcoming launch of key space station elements such as: three additional power trusses to support overall International Space Station needs and the needs of the partners; the European Space Agency Automated Transfer Vehicle; the U.S. Node 2; the European Space Agency Columbus Module; the Canadian two-armed Special Purpose Dexterous Manipulator Dextre; the Japanese Experiment Module Kibo; the Russian Multi-Purpose Laboratory Module and the Japanese H-2 Transfer Vehicle.

These elements of the space station program will bring to fruition the partnership's goal of operation and use of a permanently inhabited civil International Space Station.

<u>Assembly flight</u>	<u>Elements</u>
1J/A (U.S. orbiter)	Kibo Japanese Experiment Logistics Module - Pressurized Section, Spacelab Pallet - Deployable 1 with Canadian Special Purpose Dexterous Manipulator
1J (U.S. orbiter)	Kibo Japanese Experiment Module Pressurized Module, Japanese Remote Manipulator System
15A (STS-119)	Fourth starboard truss segment, fourth set of solar arrays and batteries
ULF2 (U.S. orbiter)	Multi-Purpose Logistics Module
3R (Russian Proton)	Multi-Purpose Laboratory Module with European Robotic Arm
2J/A (U.S. orbiter)	Kibo Japanese Experiment Module Exposed Facility, Kibo Japanese Experiment Module Exposed Section, Spacelab Pallet - Deployable 2
17A (U.S. orbiter)	Multi-Purpose Logistics Module, Lightweight Multi-Purpose Experiment Support Structure Carrier, three crew quarters, galley, second treadmill, Crew Health Care System 2
(Establish six-person crew capability)	
HTV-1 (H-IIA)	Japanese H-II Transfer Vehicle
ULF3 (U.S. orbiter)	EXPRESS Logistics Carrier 1, EXPRESS Logistics Carrier 2
19A (U.S. orbiter)	Multi-Purpose Logistics Module, Lightweight Multi-Purpose Experiment Support Structure Carrier
ULF4 (U.S. orbiter)	EXPRESS Logistics Carrier 3, EXPRESS Logistics Carrier 4
20A (U.S. orbiter)	Node 3 with Cupola
ULF5 (U.S. orbiter)	EXPRESS Logistics Carrier 5, EXPRESS Logistics Carrier 1

Consolidated Launch Manifest

<u>Assembly flight</u>	<u>Elements</u>
ULF1.1 (STS-121)	Multi-Purpose Logistics Module, Integrated Cargo Carrier, Lightweight Multi-Purpose Experiment Support Structure Carrier
12A (STS-115)	Second port truss segment, second set of solar arrays and batteries
12A.1 (STS-116)	Third port truss segment, SPACEHAB single cargo module, ICC
13A (STS-117)	Second starboard truss segment with photovoltaic radiator, third set of solar arrays and batteries
13A.1 (STS-118)	SPACEHAB single cargo module, third starboard truss segment, external stowage platform 3
ATV1 (Ariane 5)	European Automated Transfer Vehicle
10A (STS-120)	Node 2, sidewall for power and data grapple fixture
1E (U.S. orbiter)	Columbus European Laboratory Module

International Space Station assembly complete

NASA's Space Technology 5 to test abilities of miniature satellites

NASA's Space Technology 5 (ST5) was scheduled to launch March 15 aboard a Pegasus XL rocket from Vandenberg Air Force Base, Calif. The mission will flight-test its miniaturized satellites and innovative technologies in the harsh environment of Earth's magnetosphere. In orbit, ST5's satellites will map the intensity of magnetic fields within the inner magnetosphere.

These measurements will allow scientists to identify the presence of electrical currents carried by energetic charged particles. Studying this region may help understand the space weather that disrupts our communication and power systems.

While the magnetosphere acts as Earth's "suit of armor," deflecting most of the charged particles blasting out from the sun, some do get through. These particles cause geomagnetic storms that can cause widespread power blackouts and damage satellites, sometimes permanently. They also are potentially

harmful to any astronauts on duty in orbit.

Scientists don't know enough about solar activity to accurately forecast space weather and thereby minimize its harmful effects on space- and ground-based systems. Solar flares (explosions on the sun's surface) and coronal mass ejections (ejected gas bubbles) project the sun's plasma outward.

The solar wind carries this plasma through interplanetary space, where it eventually reaches Earth's "protective shield," the inner magnetosphere.

Scientists know that this "shield" deflects much of the solar wind plasma and solar energetic particles emanating from the sun.

However, "radiation belts" still surround the Earth at altitudes of 1,864 to 18,641 miles and present a hazard to satellites, like those on ST5, orbiting at these distances.

NASA's Launch Services Program headquartered at



AT VANDENBERG Air Force Base in California, workers adjust the first half of the fairing around the Space Technology 5 (ST5) spacecraft. The ST5 is mated to its launch vehicle, Orbital Sciences' Pegasus XL.

Kennedy Space Center contributed significantly to the launch-associated design and development of the ST5 mission. This included engineering and testing the launch vehicle, verifying the vehicle and spacecraft interfaces,

the spacecraft integration with the Pegasus rocket, furnishing the ground support necessary for the final ST5 spacecraft processing at Vandenberg Air Force Base, and launch day countdown management.

Operations and Support Building 2 adds to Launch Complex 39 skyline



The newly built Operations Support Building II replaces modular housing and trailers in the Launch Complex 39 area. The five-story, 189,000-square-foot building consists of approximately 860 office spaces, training rooms, computer rooms, multimedia conference rooms, technical libraries and a 352-person mission conference center with an observation deck. Seen behind the new facility is the original Operations and Support Building.

The facility's conference center was used for the recent Heads of Agency meeting involving the U.S., Canada, Europe, Japan and Russia to endorse a revision to the International Space Station's assembly sequence.

Time to be 'weather aware' in Florida

With the peak of Central Florida's tornado season coming in late March, now is the time to have a plan for weather threats. These tornados happen from late winter to early spring and are caused by strong cold fronts moving into our area. The stronger the cold front, the higher the chance tornados will occur.

Once the weather threat is known, identify the safest room in your building and ensure everyone knows where it is located. Components of the safest rooms include: being located on the lowest floor; as far inside as possible; smaller with solid construction, such as a restroom or closet; and away from windows. Basements are even safer.

Store any loose outside materials. A strong table and thick padding can protect you against falling debris. Remember: do not open windows to let



DARK CLOUDS hover over the Vehicle Assembly Building as a cold front passes through the area. These fronts have a potential to bring tornados.

air flow through the building.

The National Weather Service in Melbourne discusses the potential for severe weather in east Central Florida, including a tornado watch when conditions may produce tornados and a tornado warning when one has been detected.

Owning a National Oceanic and Atmospheric Administration All Hazards Radio will also keep you informed. If the National Weather Service issues a weather warning, the radio sounds an alarm. Alternative radios are available for hearing- and visually impaired people. The

Specific Area Message Encoder is a good option that allows you to block alarms for warnings outside your county.

For Kennedy Space Center, the 45th Weather Squadron updates the potential for severe weather in daily 24-hour forecasts and weekly planning forecasts. If a threat continues, the squadron issues a "severe weather watch" with a lead time of four hours. When tornados are observed, the weather team issues a tornado warning with a lead time of five minutes.

The following Web sites contain information about Central Florida's severe weather threats: 45th Weather Squadron, <https://www.patrick.af.mil/45og/45ws/index.htm>; National Weather Service in Melbourne, www.srh.noaa.gov/mlb; Brevard Emergency Management, www.embrevard.com; and KSC Emergency Operations Center, <http://ksc-eoc.ksc.nasa.gov>.

Remembering Our Heritage

45 years ago: Explorer 10 provides 60 hours of valuable solar data

Weighing only 79 pounds, Explorer 10 lifted off 45 years ago from Cape Canaveral on March 25, 1961, atop a Delta 4 launch vehicle. The results received from the diminutive spacecraft's instruments, however, were huge.

A modified Thor intermediate-range ballistic missile provided 150,000 pounds of thrust for the first stage. A liquid-propellant rocket was used for the second stage, and solid propellant for the third.

Although Explorer 10's transmissions ceased after only 60 hours, some five hours longer than expected, valuable information was obtained concerning solar winds, hydromagnetic shock waves, and the reaction of the Earth's magnetic field to solar flares.

Its plasma probe made the first measurements of the direction and strength of the flow of very low energy protons from the sun. Three magnetometers and an optical aspect sensor sent back data, as well. NASA's partners in the venture - the Douglas Aircraft Company, Aerojet-General Corporation, Allegany Ballistics Laboratory and Massachusetts Institute of Technology - all had much to celebrate.



THE EXPLORER 10 spacecraft is processed (above) for its March 25, 1961, launch. At right, the Delta 4 launch vehicle, which provided 150,000 pounds of thrust for the first stage, successfully launched Explorer 10 from Cape Canaveral.



Celebrate STS-1 anniversary at Visitor Complex

To commemorate the historic launch of NASA's first space shuttle and honor the accomplishments of the shuttle program, the Kennedy Space Center Visitor Complex is hosting the Space Shuttle 25th Anniversary Celebration through April 12.

Daily activities include highlights from 25 years of space shuttle missions and encore presentations of the IMAX space film "Hail Columbia," featuring the inaugural voyage of the world's first shuttle.

The first shuttle roared into orbit from pad 39A with Commander John Young and Pilot Robert Crippen at the helm of Columbia on April 12, 1981.

Young and Crippen are making a special appearance at 2:30 p.m. April 7 at the Visitor Complex to celebrate this

achievement. Tickets also are available for a lunch with the astronauts at 1 p.m. that day, during which Young and Crippen will share the experiences of their flight.

Special 25th anniversary packages for April 7 are available for \$70 plus tax for adults and \$50 plus tax for children ages 3 to 11. The package includes a two-day maximum-access admission to the Visitor Complex, lunch with Young and Crippen and a commemorative souvenir.

The celebration is interspersed with special astronaut presentations by Tom Jones on March 18, Story Musgrave on March 25 and April 2, and Jon McBride on March 30 and April 12. For information, visit www.kennedyspacecenter.com or call 449-4449.



STS-1 ASTRONAUTS Bob Crippen (left) and John Young discuss checklist items during suit-up in the Operations and Checkout Building prior to departure for the launch pad on April 12, 1981. The two will relive the historic event April 7 at the Visitor Complex.

Select a co-worker for One NASA Peer Award

The One NASA Peer Award program gives everyone in the NASA family (civil servants and contractors) the ability to recognize peers who demonstrate One NASA behaviors in one of the following three theme areas: (1) Making decisions for the common good, (2) Collaborating to leverage existing capabilities, and (3) Standardization that demonstrates efficiency.

The award program is designed to reward achievements supporting NASA's strategic goals that utilize a One NASA approach. You can easily nominate individuals or teams from anywhere across the agency.

Recognize your colleagues for their contribution toward mission success and visit <http://www.onenasa.nasa.gov/TRIBUTES/Overview.htm> to place your nomination.

Nominate technology for NASA Software of the Year Award

Nominations are being sought for the 13th annual NASA Software of the Year Award, designed to recognize developers of exceptional software created for (or by) NASA and owned by the agency. Award-winning software should be "creative, usable, transferable, and possess inherent quality," according to the NASA Technology Transfer Office. The award includes the NASA Software Medal and a cash award for as much as \$100,000. Contact Carol Dunn in



NASA's Technology Transfer Office at 867-6381 to apply for this prestigious award. Prospective nominees must have paperwork completed by April 7.

Children can spend spring break at Camp KSC

Instead of your child waiting in long lines at theme parks or experiencing a sunburn at the beach during spring break, why not send them to Camp Kennedy Space Center? The five-day camp offers children entering second through ninth grades an out-of-this-world experience to explore space as never before. The spring session is scheduled for March 27 to 31 at the U.S. Astronaut Hall of Fame. Spring camp hours are from 9 a.m. to 4:30 p.m., with extended early drop-off and late pick-up hours available.

Campers receive a complimentary Kennedy Space Center Visitor Complex 12-month pass, lunches and afternoon snacks, an official Camp KSC T-shirt, four complimentary admission tickets to the U.S. Astronaut Hall of Fame, a Camp KSC graduation ceremony and a certificate of completion.

Summer sessions are available June 5 through August 11. For information and registration details, call 449-4444 or visit www.kennedyspacecenter.com.



John F. Kennedy Space Center

Spaceport News

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