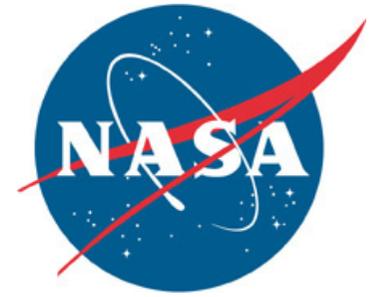


# Spaceport News

John F. Kennedy Space Center - America's gateway to the universe

[www.nasa.gov/centers/kennedy/news/snews/spnews\\_toc.html](http://www.nasa.gov/centers/kennedy/news/snews/spnews_toc.html)



## Cabana: We're all ready for challenge

**K**ennedy Space Center Director Bob Cabana predicted a bright future for the center at the annual Community Leaders Breakfast on July 29 in the Debus Conference Facility at the Kennedy Space Center Visitor Complex.

Cabana told several hundred business executives, educators and local government leaders that once the center gets through this "challenging time," which includes layoffs and an end to the Space Shuttle Program, "We are going to be successful and make it work because we're going to work together."

Cabana compared the upcoming transition with that of the Apollo Program and the first space shuttle launch.

"I think everybody finally realizes now that the Space



NASA/Kim Shifflett

Kennedy Space Center Director Bob Cabana addresses guests at the annual Community Leaders Breakfast on July 29.

Shuttle Program is coming to an end. I think as a community, we've accepted that fact," Cabana said. "As great as Apollo was, the shuttle program was equally challenging, successful and accomplished a great deal also. And as we transition the shuttle and it ends up on display, we are going to have an equally challenging and successful program."

NASA's potentially new programs include a bigger role for commercial rocket launches, preparations for a new heavy-lift rocket and developing technology to advance exploration and space systems.

"We'd like to evolve our research and technology development effort so that we can be recognized more,"

Cabana said. "And if we do Exploration Park right, we can draw research and technology to this area and grow in that way, especially capitalizing on the ISS as a National Lab."

Cabana said Kennedy's leaders have been working hard to prepare for future efforts, and they've almost reached the end of the pre-planning stages. Where they go from there will be up to leaders in Washington, D.C.

Cape Canaveral Mayor Rocky Randels said the message he heard was inspiring and couldn't wait to share it with his constituents.

"Mr. Cabana has a definite vision for all of us . . . it's not going to be easy, but if we do what we have to do, we'll be part of something special."

## Legends, trailblazers inspire NASA's future

By *Rebecca Sprague*  
*Spaceport News*

**I**t's never too late to taste inspiration and use it to pursue ambitious goals, students learned during a forum aimed at stimulating scientific, technical, engineering and mathematic careers.

NASA's Education Office sponsored a Minority Student Education Forum for fifth-through 12-graders, from July 27 to 29, to fuel the minds of hundreds of minority students. Each day, the students experienced a new adventure, such as touring Kennedy Space Center facilities, seeing the KSC Visitor Complex, and meeting some of NASA's greatest legends and trailblazers.

Their message: It's never too late to follow your dreams.

"What helped me was imagination and desire . . . you have advantages that we didn't have," Isaac Gillam, the former director of NASA's Dryden Flight Research Center,

told the students.

Along with Gillam, the forum featured icons, such as the Director of NASA's Glenn Research Center Donald Campbell, Glenn's former Director Dr. Julian Earls, the former Associate Administrator for Aeronautics at NASA Headquarters Dr. Wesley Harris, and Katherine Johnson, NASA's first female African-American, "human computer."

Each speaker stressed embracing education.

"Develop a passion for something you like to do, learn to do it well, stay on top of what's going on and be prepared for what's coming next . . . because you never know, you could be next," said Katherine Johnson, who calculated the trajectory of Alan Shepard's first flight into space, Mercury 7, in May 1961. She also graduated high school at the age of 14 and college at 18.

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**Heritage: Transport to launch pads**



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# As JAXA's Liaison Office closes, focus turns to ISS future

By Linda Herridge  
Spaceport News

It was a time to reminisce about the past and look toward the future as friends and colleagues gathered July 23 to offer good wishes to Hiroki Furihata, who has been the deputy director of the Japan Aerospace Exploration Agency, or JAXA, Liaison Office at Kennedy Space Center's Space Station Processing Facility, or SSPF, for more than four years.

The Liaison Office was to remain open until the last Japanese astronaut flew on a space shuttle, STS-131. Now, after more than 10 years, the office is closing.

Looking back, Furihata said some of his fondest memories included watching the Kibo Japanese Experiment Module being completed and then witnessing its delivery to the International Space Station.

"It was such a joy and an honor because my long-time dream came true and so many people worked so hard and so long on Kibo," Furihata said.

A very important highlight was the birth of his daughter, Nanase, on Sept. 6, 2007, in Florida. Her name translates to "seven stars" in Japanese.

"Although Mr. Furihata's departure and the KSC JAXA office closure marks the end of an era for the ISS Ground Processing team, our partnership will continue through the use of the International Space Station for research and as a platform for future exploration endeavors," said Josie Burnett, the director of the International Space Station and Spacecraft Processing Directorate. "Hiroki has become an integral part of our KSC extended family and he will be missed."

Russell Romanella, who is the center's associate director for Engineering and Technical Operations, said the JAXA office was set up to facilitate all of the Japanese hardware that was going to be delivered to Kennedy and flow through the facilities prior to launching to the space station.

"Hiroki cares very much about the space program and everything that we do," Romanella said. He was always very conscious of inter-



NASA/Kim Shifflett

Former Deputy Director of the Japan Aerospace Exploration Agency, or JAXA, Hiroki Furihata, is returning to the Tsukuba Space Center in Japan after four years at Kennedy Space Center. Here, he accepts a token of appreciation from International Space Station and Spacecraft Processing Director Josie Burnett.

national participation. He and his assistant, Minako Holdrum, are very considerate of others."

Furihata has been with JAXA for 12 years and will return to the Tsukuba Space Center in Japan to continue to work for JAXA's International Space Station Program Office. Holdrum, who is a U.S. citizen, will remain in the country.

Furihata said his hopes for the future of the space station are that it will be utilized as long as possible in many ways for microgravity experiments and education so that younger generations will be inspired by space exploration.

"My hope is that JAXA and the space station will contribute to future manned programs and a future generation will utilize them well," Furihata said.

Romanella, who was director of the International Space Station and Payload Processing Directorate for four years, said all of the elements of Kibo, which means "hope" in Japanese, were processed through the SSPF. That included the pressurized module, or laboratory, a logistics module that sits on top of the pressurized module, an exposed platform and exposed section.

Romanella said a significant event was when the Kibo laboratory participated in the last multi-element integrated test, or MEIT, at Kennedy.

"We had a few opportunities

where these elements came together at the same place and time. We didn't physically connect them, but we did connect their fluid lines and electrical lines and we commanded them as if they were all one element," Romanella added. "We were making sure that they worked on the ground before we launched them."

Looking forward, Romanella said: "The hope is that someday in the future, working in exploration in some form or fashion, that we have continued international participation and cooperation and that we'll see many of the people we've worked with back again."

He said the country, the president, and Congress have recognized the value of the space station, what an amazing engineering accomplishment it is and its potential. Previous plans of operating the station for five or six years beyond its assembly completion date didn't make any sense to anyone.

"So, the new plan is at least through 2020, but we believe it will probably end up being 2028. That will give us, essentially, 30 years of station operational life, if you consider that the first station launch was in 1998," Romanella said.

"The international partners are very supportive of this extended space station mission and it's going to be a challenge being able to keep it supplied appropriately."

Romanella said the agency will

rely on international partners for re-supply. He said everything is in place to be able to keep crews flying to station aboard the Russian Soyuz spacecraft, and re-supplies through Progress deliveries, the Japanese HTV, the European ATV, and the U.S. commercial cargo launches with SpaceX and Orbital.

Remaining payloads in the SSPF are two Express Logistics Carriers, or ELCs, one for STS-133 and the other for STS-134. They are external platforms that will be attached to the station. They will have as many spare parts prepositioned on them as possible in preparation for shuttle retirement.

The next mission also includes a multi-purpose logistics module that is in the process of being modified by the Italian Space Agency. This is the Permanent Multi-purpose Module, or PMM, and it will be left aboard the space station by shuttle Discovery's STS-133 mission.

The last element to be delivered to Kennedy to support space station completion is the Alpha Magnetic Spectrometer, or AMS. It is scheduled to be delivered in late August.

"I think the station has a very positive future," Romanella said. "I think that as the shuttle is retired, station becomes the manned space program within NASA, and so it's going to get a lot of attention."

"With a crew of six on the station, I think we're going to see a significant increase in our ability to do science and we're going to start getting more and more results of our science experiments. I think that space station is going to be critical in our future exploration efforts as a platform to be able to test the technology and the technology associated with exploration beyond low Earth orbit."

Romanella said the station may even be used as a place to start the agency's next exploration mission.

"Not just proving technology or proving capability, but actually being in a place where you start from and leave from to wherever we're going to go, whether it's asteroids or near-Earth objects," Romanella said.

# Faculty learns NASA design approaches, techniques

By *Rebecca Sprague*  
Spaceport News

On the football field or at a rocket competition, universities and colleges typically meet with fierce opposition. On July 28 and 29, faculty members from around the country met at Kennedy Space Center for a workshop and brainstorming session on how to teach their students to successfully design for NASA's Exploration Systems Mission Directorate, or ESMD, using the NASA systems engineering process.

"They are all here to become familiar with what NASA is looking

for," said Dr. Stephen Whitmore, an assistant professor of mechanical and aerospace engineering at Utah State University in Logan. He helped lead the workshop, which included about 41 senior faculty members and three students.

Dr. Whitmore's senior design course focuses on "Demonstration Prototype for Lunar or Planetary Surface Landing Research Vehicle." This type of course is designed to help students prepare for a career with NASA and space industry partners. Most faculty attendees will go back and teach an engineering senior design course to students working on NASA exploration projects.

Currently, Dr. Whitmore and his students are focusing on the development of interactive simulations for space launch, aerocapture, re-entry and on-orbit payload deployment.

Jean Fullerton, the director of Engineering at Elizabethtown College in Pennsylvania, said she hasn't helped design for NASA before, but is looking forward to it in the future.

"I always thought designing for NASA would be very expensive, but I've learned here that we don't have to design things that are big," Fullerton said. "We can design smaller, prototype models."

P.J. Benfield, an assistant re-

search professor at the University of Alabama in Huntsville, said being right across the street from NASA's Marshall Space Flight Center has afforded his students the opportunity to design all kinds of spacecraft, lunar landers and much more.

"We work and partner directly with Marshall," Benfield said. "They really help us through this process."

Benfield noted that the workshop at Kennedy has been a great way to network and partner with other colleges and universities, as well.

"Engineering is not just local, you have to be able to partner across the board," Benfield said.

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Keosha Nelson, a rising 10th-grader at Andrew Jackson High School in Jacksonville, Fla., is taking Katherine Johnson's message to heart. She hopes to one day be a gynecologist and would like to open a hospital that provides free healthcare to everyone, regardless of age, sex and ethnicity. It may sound like a far-off dream, but the point of the forum was to dream big, reach for the impossible, and spread your wings and fly.

"You've heard the old law of physics that a bumble bee can't fly. Every aerodynamic principle says that its wing span is too short to support its massive body in flight," Earls said. "But a bumble bee doesn't know that. It never took physics. It just flies around all over the place and that's what you have to do."

This forum wasn't Rafael Valazquez's first experience with a STEM program sponsored by NASA. The rising ninth-grader from Puerto Rico said he helped build a robot for the Vex Robotics Competition with his team, "Cybergenetic," which took home first place in a regional competition. He said he wants to be an



NASA/Cory Huston

Hundreds of fifth- through 12th-grade students snap photos and give high-fives to NASA astronaut Leland Melvin as he makes his way through the crowd during a Minority Student Education Forum on July 28.

aerospace engineer, so touring Kennedy Space Center was quite a treat.

"They gave us a tour of the Saturn V Complex and the Space Station Processing Facility . . . and I'm amazed at what people can do," Valazquez said.

Victoria Isabel Quintanilla, a rising seventh-grader from Austin Middle School in San Juan, Texas, said she was stunned that out of all of the students in the Rio Grande Valley, she was chosen for this once-in-a-lifetime opportunity. It was a paper she wrote on advancing technology that guaranteed her a spot. In the

future, she would like to be an astronaut who studies life sciences and astronomy.

"I want to experience the final frontier," Quintanilla said, "study life on other planets and help cure cancers, such as leukemia."

Along with legends were trailblazers, including NASA astronauts Leland Melvin and Dr. Ellen Ochoa, the Assistant Associate Administrator in NASA's Office of the Administrator Christyl Johnson, Acting Associate Director for Business Operations Kelvin Manning, Glenn's Associate Director Vernon Wessell, and Raquel Redhouse, a mechanical

engineer at Glenn.

Jamian Rush, a rising eighth-grader from Byram Middle School in Terry, Miss., said he enjoyed hearing about each trailblazer's journey. His dreams, too, are quite impressive.

"I would like to help the paralyzed walk again . . . help the blind see," Rush said.

Some of the students must give a hands-on presentation to a local school, church or community after they return from the forum, said Pamala Heard, director of the NASA Educator Resource Center at Jackson State University. For Heard, the most important inspiration was the sentiment that it is never too late to start over.

One of Heard's students, Dusty Smith, a rising eighth-grader from Rebul Academy in Learned, Miss., wants to help build the next generation of human spacecraft. He said he will pass along Melvin's messages about people giving their lives for technology and the need to carry on their legacy.

Melvin also laid another colossal goal before the students when he challenged them to make the world peaceful by describing his time aboard the International Space Station.

"We're having a meal in space just going around the planet at 17,500 mph, all of us sharing our food, and we're flying over Afghanistan and Iraq . . . and we're just thinking to ourselves, if more people had the opportunity to sit down and break bread together, there would be no more wars.

"The only way to break stereotypes is to have a conversation, face-to-face, one-on-one, looking in someone's eyes. And if you do it over a meal, you have the added benefit of, 'Mmmm . . . that tastes good,'" Melvin said.

The forum was part of NASA's "Summer of Innovation" initiative and the federal "Education to Innovate" campaign to increase the number of future scientists, mathematicians, and engineers.

"This is about the kids, their dreams and aspirations, and hopefully leading them to an aerospace career," said Theresa Martinez, NASA's Minority University Research and Education Programs, or MUREP, Small Projects manager.

"Don't let anyone tell you can't have it all," said Christyl Johnson. "I'm living proof you can."

# Scenes Around Kennedy Space Center



NASA/Troy Cryder

Dr. Rob Mueller, chief of the Surface Systems Office at Kennedy, presents details of this year's Lunabotics Mining Competition for the KSC Engineering Academy on July 20. Mueller was joined by Dr. Paul Van Susante, a faculty advisor for competing students.



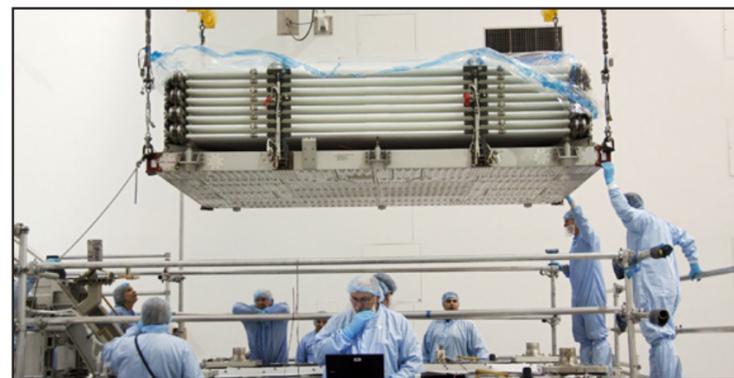
NASA/Jack Pfaller

Students from fifth- through eighth-grade and their parents enjoy educational experiences, hands-on activities, and gee-whiz demonstrations focusing on science, technology, engineering and math during the NASA Family Education Night on July 24 at the U.S. Astronaut Hall of Fame. NASA employees and contractors can request tickets for the next fun family event, which is Aug. 28, by contacting Beverly Davis at 867-3399 or [beverly.davis@nasa.gov](mailto:beverly.davis@nasa.gov).



NASA/Jim Grossmann

NASA Administrator Charlie Bolden addresses intra-center interns July 29 in Kennedy's Training Auditorium.



NASA/Troy Cryder

Workers lower the Heat Rejection Subsystem, or HRS, radiator onto the Express Logistics Carrier-4, or ELC-4, in the Space Station Processing Facility at Kennedy on July 22. Space shuttle Discovery and its STS-133 crew will deliver the ELC-4 filled with external payloads and experiments, as well as the spare radiator and the Permanent Multi-purpose Module, or PMM, to the International Space Station.



NASA/Jack Pfaller

Kennedy Space Center accepts delivery July 21 of several new low-speed electric vehicles, or LSEV. The first LSEV was purchased in 2005 and through the American Recovery and Reinvestment Act, or ARRA, Kennedy will receive a total of 39 electric cars. The center's fleet is being augmented with alternative-fuel vehicles in an effort to reduce gasoline consumption and conserve energy.

## NASA Employees of the Month: August



NASA/Kevin O'Connell

Employees of the month for August are, from left, Gabor Tamasy, Engineering Directorate; Eugenio Marin, Launch Vehicle Processing Directorate; Curtis Groves, Launch Services Program; Cindy Slack, Engineering Directorate; James Draus, Launch Integration Office; Dawn Kniffin, Information Technology and Communications Services; George Cole, Safety and Mission Assurance Directorate; Lynne Phillips, Center Operations; and Eugene Walker, Chief Financial Office. Not pictured is Mary Ann Chevalier (Employee of the Quarter), External Relations.



NASA/Jim Grossmann

Workers enjoy ice cream with all the toppings during a DAAWG fundraiser July 22 in the Mission Briefing Room of the Operations and Checkout Building. Employees also were treated to root beer floats and homemade baked goods.

# Group shares parental insight at LGBT luncheon

Lisa Rivero and her husband say they knew their son, Josh, was gay by the time he entered third grade. So when he finally decided to tell his parents about it the summer before starting high school, they knew exactly what they were going to do.

"We were just waiting for him to come to the realization," Rivero said. "Some families are completely shocked when their children come out of the closet. We knew what we were going to have to go through, so it wasn't a problem."

She shared that personal story and several others during a Lunch and Learn event at Headquarters on July 21 for the gay, lesbian, bisexual and transgender support group, or LGBT. About 30 Kennedy workers attended the event.

Rivero, who is president and safe school coordinator for Brevard County's chapter of the Parents, Families and Friends of Lesbians and Gays, or PFLAG, said while home was safe for Josh, school was not.

"He always had been bullied. In elementary school, the kids called him names because he didn't fit the gender norm of what a normal boy



NASA

Kennedy Space Center Diversity Program Manager Bonni McClure, left, and Acting Associate Director for Business Operations Kelvin Manning, thank Lisa Rivero for sharing her experiences at a Lunch and Learn for the gay, lesbian, bisexual and transgender, or GLBT, support group on July 21. Rivero is president and safe school coordinator for Brevard County's chapter of the Parents, Families and Friends of Lesbians and Gays, or PFLAG.

should be doing," Rivero said.

PFLAG promotes the health and well-being of gay, lesbian, bisexual and transgender people, their families and friends, through support, education and advocacy.

Kennedy's Employee Assistance Program sponsors monthly LGBT meetings to provide informational support.

Acting Associate Director for Business Operations Kelvin Manning expressed the administration's support for the group citing the

center's anti-harassment policy.

The support parents have received has inspired Rivero to help other parents who have gay, lesbian, bisexual and transgender members in their family.

"I was forced to make the difficult decision to homeschool my son because he simply was not safe in Florida's public schools," Rivero said. "No mother should have to make the daily choice, as I did, between her child's safety and their education."

## Coming up

The EAP will host a lesbian, gay, bisexual and transgender Lunch and Learn on Aug. 18, from 11:30 a.m. to 12:30 p.m. in the Occupational Health Facility Library. Randy Stevens, executive director of the Gay, Lesbian, Bisexual Community Center in Orlando, will address the group.

"I've talked to so many other parents who say the same thing, especially moms. There are so many moms, we can't describe it. We just know."

Rivero said she hopes her message gets to all who need to hear it.

"It is our goal to foster safer schools for the LGBT youth living in Brevard," Rivero said. "Our chapter has been successful in creating partnerships with local school officials, administrators, teachers and students to work toward putting an end to bullying, creating an inclusive curriculum and providing much-needed services for LGBT youth."

"It has been proven that when students don't feel safe at school, they are unable to obtain the quality education they deserve. The numbers speak for themselves."

# Team leader receives Equal Opportunity Award

By Rebecca Sprague  
Spaceport News

More than 30 years ago, Bobbi Gnan began working at Kennedy Space Center as a pre-co-op for a program that was designed to encourage women and minorities to pursue careers in engineering. Today, she is the chief of the Program Business Office in NASA's Launch Services Program, or LSP, and recently received Kennedy's Equal Opportunity Award.

"I was absolutely blown away," Gnan said. "To get this award, I went full circle . . . I had been given an opportunity and to be recognized 31 years later for

creating opportunities for others was really exciting."

The Program Business Office provides program-level management for LSP by planning and executing LSP requirements and customer requirements. As chief, Gnan is responsible for the overall performance and execution of all tactical and strategic business management tasks performed. The functions provided by her office include acquisition and management of all program-related services, program-level financial management, including the integration and insight of projects across multiple centers, and management of all program resource requirements.

She was given the award for her ability to draw on the diversity of her employees, resulting in a business management organization that is recognized throughout the agency.

"Diversity is more than about skin color, age, sexual preference, or even gender," Gnan said. "Everybody has unique skills and backgrounds . . . and what I've been blessed with is to be surrounded by all these wonderful people and to provide them meaningful opportunities for them to make themselves shine."

In the early 1990s, Gnan was one of the first woman engineers to head the Federal Women's Program Working Group,

FWPWG, which addresses women's issues at Kennedy.

"When I started there were not very many women engineers at Kennedy. The group allowed me to meet other women out here and to understand what they faced and issues they struggled with," Gnan said.

Gnan recalls one of the most significant accomplishments the group made throughout the years was the creation of Kennedy's Child Development Center, which today helps all Kennedy workers balance work and family, men and women alike.

"When I look at the award, I am proud for being recognized for doing the right thing, creating a team



NASA

Bobbi Gnan started as Kennedy Space Center 31 years ago as a pre-co-op.

of best-qualified, highly motivated and talented employees where everyone feels they can contribute and fully utilize their talents, strengths or skills," Gnan said.

## Remembering Our Heritage

### Mercury



NASA file/1963

Astronaut Gordon Cooper leaves the transfer van at Launch Complex 14 on May 15, 1963.

### Gemini



NASA file/1965

Astronauts John Young and Gus Grissom walk to Launch Complex 19 from their transfer van in 1965.

# Crew transport evolves from tractor pull

By Kay Grinter  
Reference Librarian

**A**s astronauts' ride to space has evolved, so too has their ride to the launch pads.

In the 1960s, Mercury astronauts traveled from their crew quarters in Hangar S on Cape Canaveral Air Force Station to the launch pads inside a transfer van pulled by a Reo tractor. Although the tractor had five forward gears, only four were used, and the highest speed reached was 20 mph. Faster speeds along the Cape's less-than-perfect roads would have resulted in a pretty rough ride.

The big van also had a relatively light load. Only the astronaut was seated in the van and the support personnel stood up during the trip to the pad. The driver communicated

with the passengers by intercom to tell them when they were approaching a curve or turn.

Gordon Cooper's ride to Launch Complex 14 on May 15, 1963, took 16 minutes.

His chauffeur, C. J. LaMar, drove either the primary or backup van for all Mercury launches. Along with driving primate astronauts Ham and Enos to the pad, LaMar piloted the backup van, which would have been used in case of a breakdown of the primary van, for the launches of Alan Shepard, Gus Grissom and John Glenn, and delivered Scott Carpenter, Walter Schirra and Cooper to the pad for their flights.

Not once was there motor failure, a flat tire or any other mechanical trouble en route.

The Apollo-era astronaut transport van, also used at the beginning

of the Space Shuttle Program, is on display at the KSC Visitor Complex's Apollo/Saturn V Center.

Since 1984, space shuttle crews have traveled from their crew quarters in the Operations and Checkout Building on Kennedy Space Center to the Launch Complex 39 pads in a modified Airstream motor home, known as the Astrovan.

The silver van is used to transport astronauts on three occasions only: from crew quarters to the launch pad for launch dress rehearsal and on launch day, and from the Shuttle Landing Facility to crew quarters after landing.

The history-filled, somewhat dated, van was slated to be replaced until word came that the rookie astronauts wanted to keep the original van, steeped in tradition by those who had traveled to the pads before them.

Dark blue upholstered benches line the interior's narrow center aisle. The seats are equipped with lift-out sections to accommodate the ventilator units used to circulate cool air through the astronauts' orange launch-and-entry suits. Gold drapes frame the windows, and dark wood paneling lines the walls.

On launch day, the van is the centerpiece of a motorcade escorted by security personnel to the pad. The driver is in constant communication with the NASA test director via radio.

Mark Smith, the manager of Mobile Cranes for United Space Alliance, is responsible for the upkeep and operation of the Astrovan.

"There are currently four drivers supporting the van," Smith explained. "James Speigner is up next and will be the prime driver for the next shuttle launch, STS-133."

### Apollo



NASA file/1969

Apollo 10 command module pilot John Young was the first to enter the transfer van May 18, 1969.

### Space Shuttle



NASA

The STS-132 crew poses in front of the current transfer van, called the Astrovan, on April 24.

## Upcoming events . . .

- Aug. 12** KEA-69: New Water Disinfection Technology; 1 to 2 p.m., Training Auditorium
- Aug. 18** The EAP hosts a lesbian, gay, bisexual and transgender (LGBT) Lunch and Learn; 11:30 a.m. to 12:30 p.m., OHF. Randy Stevens, executive director of the Gay, Lesbian, Bisexual Community Center in Orlando, is the guest speaker. POC: Patricia Bell, [patricia.bell@nasa.gov](mailto:patricia.bell@nasa.gov)
- Aug. 28** The KSC Education Office hosts NASA Family Education Night; 6 to 10 p.m., Astronaut Hall of Fame. POC: Beverly Davis, 867-3399, [beverly.davis@nasa.gov](mailto:beverly.davis@nasa.gov)
- Aug. 30** The Innovative Partnerships Program hosts a lecture by Dr. Nannette Stangle-Castor on "Open Innovation"; 9 to 11:30 a.m. or 1 to 3:30 p.m., Kennedy Learning Institute. POC: Carol Anne Dunn, 867-6381
- Sept. 25** KSC Family Day/Take Your Children to Work Day. POC: Layla Higgins, [layla.m.higgins@nasa.gov](mailto:layla.m.higgins@nasa.gov)

For more, go to the internal Kennedy Events and Schedules Calendar at [www.nasa.gov/centers/kennedy/events/index.html](http://www.nasa.gov/centers/kennedy/events/index.html)

## Looking up and ahead . . .

Targeted for Aug. 12	Launch/CCAFS: Atlas V, AEHF 1; 7:14 to 9:14 a.m. EDT
Targeted for September	Launch/CCAFS: Falcon 9, Dragon C1; TBD
Targeted for Oct. 19	Launch/CCAFS: Delta IV Heavy, NROL-32; TBD
Targeted for Nov. 1	Launch/KSC: Discovery, STS-133; 4:40 p.m. EDT
Targeted for Nov. 17	Launch/CCAFS: Atlas V, GPS IIF-2; TBD
Nov. 22	Launch/VAFB: Taurus, Glory; 5:09 a.m. EST
Targeted for Jan. 22, 2011	Launch/CCAFS: Atlas V, SBIRS GEO-1; TBD
Targeted for Feb. 26, 2011	Launch/KSC: Endeavour, STS-134; 4:04 p.m. EST
Aug. 5, 2011	Launch/CCAFS: Atlas V, Juno; TBD
Aug. 15, 2011	Launch/Reagan Test Site: Pegasus, NuSTAR; TBD
Sept. 8, 2011	Launch/CCAFS: Delta II Heavy, GRAIL; TBD
Sept. 23, 2011	Launch/VAFS: Delta II, NPP; TBD
To Be Determined	Launch/VAFB: Delta II, Aquarius / SAC-D Satellite; TBD
No Earlier Than Nov. 25, 2011	Launch/CCAFS: Atlas V, Mars Science Laboratory; TBD

# Resource showcase to focus on 'Planning for a Secure Tomorrow'

By *Linda Herridge*  
*Spaceport News*

**K**ennedy Space Center's Human Resources Office, in partnership with Brevard Workforce, will host a KSC Resource Showcase called "Planning for a Secure Tomorrow," from 9:30 a.m. to 6 p.m., Aug. 26, in the Operations and Support Building II.

Human Resources Communication Specialist Margaret Truitt said the event will feature information booths and workshops on a variety of topics, including financial savings, educational opportunities, community services and health.

"This is something new for Kennedy," Truitt said. "We've received an overwhelming response from organizations that would like to attend to help the work force."

Some organizations include the Department of Labor, U.S. Small Business Administration, HUD Orlando, Consolidated Credit Counsel, United Way of Brevard, 2-1-1 Brevard, the Internal Revenue Service and the Social Security Administration.

Workshops offered throughout the day will give workers the opportunity to receive financial advice from experts, learn how to start a business, ask about Social Security and IRS options, explore retraining

### More online

For more information on the resource showcase and future job fairs, visit: <https://hrapps.ksc.nasa.gov/voice/>

### Upcoming job fairs

#### Sept. 15

9:30 a.m. to noon and 1:30 to 6 p.m.; OSB II (fifth floor), SSPF (cafeteria) and O&C (Mission Briefing Room)

#### Sept. 16

9:30 a.m. to noon and 1:30 to 6 p.m.; Radisson Resort at the Port, Cape Canaveral

opportunities and child care services, and much more.

Truitt said there are plans to allow workers' spouses entry to attend the workshops as well.

"We realize the significant value of spouse input on many of these topics, especially in regards to community resources.

"The Human Resources Office is doing everything possible to help facilitate a successful transition. The showcase is one way to inform all employees about available resources and to encourage employees to take advantage of them," Truitt said.

Truitt said that there are plans to hold a second job fair, featuring even more employers than the June fairs, Sept. 15, at Kennedy, and Sept. 16, at the Radisson Resort at the Port in Cape Canaveral, Fla.



John F. Kennedy Space Center

## Spaceport News

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