

PEOPLE on the **MOVE****Human Resources reports the following personnel changes:****Key Personnel Assignments**

David Schurr named the Deputy Manager, Business Management Office, International Space Station Program Office.
Richard Fox named the Assistant Business Manager, Assessments, International Space Station Program Office.
Gerald Sanders selected Chief, Propulsion and Fluids Systems Branch, Energy Systems Division, Engineering Directorate.

Additions to the Workforce

Jennifer Aranda joins the Legal Office, as an Attorney Advisor.
Kylie Moritz joins the Public Affairs Office, as a Public Affairs Specialist.
Michelle Diefenderfer joins the Institutional Procurement Office, Office of Procurement, as a Contract Specialist.
Jonathan Wood joins the Projects Procurement Office, Office of Procurement, as a Contract Specialist.
Julie Karr and *Angela Swafford* join the Space Shuttle Procurement Office, Office of Procurement, as Contract Specialists.
Diana Gomez and *Stacy Poole* join the Space Station Procurement Office, Office of Procurement, as Contract Specialists.
Jonathan Brogan joins the Orbit Dynamics Branch, Flight Design and Dynamics Division, Mission Operations Directorate, as a Flight Controller.
Ryan Proud joins the Ascent/Descent Dynamics Branch, Flight Design and Dynamics Division, Mission Operations Directorate, as a Flight Controller.
Larissa Smit joins the Cargo Integration and Operations Branch, Operations Division, Mission Operations Directorate, as a Flight Controller.
Rachel Hinterlang joins the Environmental Systems Branch, Systems Division, Mission Operations Directorate, as a Flight Controller.
Albert Sena joins the Simulation and Graphics Branch, Automation, Robotics, and Simulation Division, Engineering Directorate, as a Computer Engineer.
Deborah McDaniels joins the Thermal Design Branch, Structural Engineering Division, Engineering Directorate, as an Aerospace Engineer.
Oscar Benavides joins the Information Science Branch, Information and Imaging Sciences Division, Information Systems Directorate, as a Computer Engineer.
Paul Holtzclaw joins the Center Operations Directorate, as a Security Specialist.
Michael Darby joins the Office of the Chief Financial Officer, as a Program Analyst.
Steven Bockmiller joins the Space and Life Sciences Resources Management Office, Office of the Chief Financial Officer, as a Program Analyst.
John Gurecki joins the JSC Resident Office - KSC, Space Shuttle Vehicle Engineering Office, Space Shuttle Program, as Principle Engineer for Avionics Systems.
Dean Kunz joins the JSC Resident Office - KSC, Space Shuttle Vehicle Engineering Office, Space Shuttle Program, as Principle Engineer for Fluid Systems.
Sandra Day joins the Vehicle Branch, Space Station Division, Safety, Reliability, and Quality Assurance Office, as an Aerospace Engineer.

William Schaefer joins the Avionics and Software Office, International Space Station Program, as an Avionics Engineer.
Courtenay McMillan joins the Moscow Technical Liaison Office, International Space Station Program, as an Aerospace Engineer.
Bill Spetch joins the System Integration and Analysis Office, Program Integration Office, International Space Station Program, as a Vehicle Integrated Performance Engineer.
Dale Huls joins the Safety and Mission Assurance/Program Risk Office, International Space Station Program, as the Quality Assurance Lead.
Tony Sang joins the On-Orbit Engineering Office, Vehicle Office, International Space Station Program, as a Mission Evaluation Room Manager.
Frank Carpenter joins the Medical Informatics and Health Care Systems Office, Space Medicine and Health Care Systems Office, Space and Life Sciences Directorate, as a Medical Officer.
Richard McCluskey joins the Medical Informatics and Health Care Systems Office, Space Medicine and Health Care Systems Office, Space and Life Sciences Directorate, as a Medical Officer.

Promotions

Laura Wright was selected as a Senior Secretary in the Office of Procurement.
Rosalind Johnson was selected as a Lead Secretary in the Management Integration Office, International Space Station Program Office.

Reassignments to Other Directorates

Debbie Conder moves from the Office of the Chief Financial Officer to the Human Resources Office.
Angie Zavala moves from the Engineering Directorate to the Legal Office.
Robert Neil moves from the Information Systems Directorate to the Engineering Directorate.
Charles Salkowski moves from the Engineering Directorate to the Information Systems Directorate.
Tim Ames moves from the Flight Crew Operations Directorate to the International Space Station Program.
Tom Miglin moves from the Mission Operations Directorate to the International Space Station Program.
Angel Plaza moves from the Engineering Directorate to the Space and Life Sciences Directorate.
Nancy Robertson moves from the Human Resources Office to the Space and Life Sciences Directorate.
Jewel Hervey moves from the Office of the Chief Financial Officer to the Space Operations Management Office.

Retirements

Phil Cota of the Engineering Directorate.
Jimmy Gilbert of the Engineering Directorate.
Charles Price of the Engineering Directorate.
Jack Boykin of the Space Shuttle Program.
John Carpenter of the International Space Station Program.

Resignations

Wayne Hurlock of the Office of Procurement.
Jean-Loup Chretien of the Flight Crew Operations Directorate.
Terri Stowe of the Mission Operations Directorate.
Roger Billica of the Space and Life Sciences Directorate.

NASA BRIEFS**BUSTED WHEEL MAY HOLD ANSWERS**

Jet Propulsion Laboratory –A busted wheel on an experimental rover may change the face of future exploration on Mars.

While conducting tests of an inflatable rover in the Mojave Desert, one of the rover's shoulder-high spherical "tires" broke off the vehicle and blew away.

"It went a quarter of a mile in nothing flat," recalled technician Tim Connors, who quickly saddled up with the driver of a passing all-terrain recreational vehicle to chase down the runaway sphere. The moderate 20-mile per hour afternoon winds drove the ball fast and far.

The accident inspired the idea for a two-story high beach ball, dubbed "the tumbleweed rover," to roam the vast stretches of the Red Planet. The wind blowing across the face of the planet would be the only engine needed to propel the giant ball.

A payload carrying instruments such as cameras or water-seeking radar could be held in place by tension cords at the tumbleweed's center. When it's time to stop for a while, mission controllers would command the ball to partially deflate.

Jack Jones of JPL's Inflatable Rover Program warns the tumbleweed is only preliminary work, but he's enthusiastic about the promise this technology might hold for exploration of Mars and other worlds with thin atmospheres. Tests in the Mojave Desert confirmed a 6-meter diameter ball should be able to climb over or around one-meter rocks and travel up slopes 25 degrees and higher in the thin, breezy Martian air.

NASA COMPUTER TOOL SMOOTHES FLOW OF AIR TRAFFIC

Researchers recently monitored and tested a new NASA software tool that will give air traffic controllers the ability to predict aircraft position and avoid potential conflicts.

"The ability to accurately predict aircraft trajectories more than 20 minutes in advance is crucial to the success of air traffic management," said Rich Coppenbarger, the en-route data exchange tool (EDX) technical lead. "EDX allows automation used for air traffic control decisions to be more accurate, thereby increasing fuel efficiency and system capacity, and reducing controller workload."

With cooperation from United Airlines, 48 Boeing 777 aircraft received EDX software upgrades, which delivers flight data to automated air traffic management software in "real time." The next step is evaluation of the tool's capabilities for future application to real-time flight plan development and modification. This capability can be viewed as an important step toward attaining Free Flight, which is a FAA program that will give pilots the freedom to choose their own flight paths in real-time.

DATES & DATA

Get jazzed up! Come hear SAIC's Juan Manuel and others perform live jazz music at the University of Houston-Clear Lake Bayou Building Theatre Sept. 14, from 8-10 pm. There is a \$10 cover, but only \$8 if tickets are purchased in advance. For more information contact Rosalyn Manahan at (281) 992-2409. Check out Juan's music on the Web at www.mp3.com/juan23.

Want to bowl! Join the Thursday Night Bowling League, which begins Aug. 30. For more information contact John J. Thiel at (281) 269-2629 or j.j.thiel@att.net.

USA-Houston NMA

Wednesday, Sept. 19, 4:30 - 7 p.m. JSC Gilruth Center
 Speaker: Mr. Tommy Holloway, NASA ISS Program Manager

SPACE CENTER Roundup

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Managing EditorMelissa Davismelissa.davis1@jsc.nasa.gov
 Assistant EditorAaron Wyattawyatt@ems.jsc.nasa.gov
 WriterEric Raub

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