

One of InSight's 7-foot wide solar panels was imaged by the lander's Instrument Deployment Camera, which is fixed to the elbow of its robotic arm. JPL manages InSight for NASA's Science Mission Directorate and is part of NASA's Discovery Program, managed by the agency's Marshall Space Flight Center.

Quality Leadership Forum Agenda

March 13 & 14, 2019
Radisson at the Port, Cape Canaveral, FL



National Aeronautics and Space Administration
Office of Safety and Mission Assurance
NASA Headquarters, Washington, D. C.



NASA Quality Leadership Forum

Wednesday, March 13, 2019

8:00 - 8:30 AM

Welcome, Logistics/Announcements:

John O'Donnell, Jet Propulsion Laboratory /
Jeannette Plante, NASA Headquarters

8:30 – 9:15 AM

A Year in Office of Safety and Mission Assurance Quality Policy:

Jeannette Plante, NASA Headquarters

9:15 – 10:00 AM

Commercial Crew – The Catalyst for a New Space Age:

Kathryn L. Lueders, Manager, Commercial Crew Program,
Kennedy Space Center

10:00 - 10:10 AM

Short Break

10:10 - 10:50 AM

Premature Wear of the Curiosity Mars Rover Wheels:

David Oberhettinger, Jet Propulsion Laboratory



A SpaceX Falcon 9 rocket rolls out of NASA Kennedy Space Center's Launch Complex 39A on Jan. 3, 2019. The rocket will undergo checkouts prior to the liftoff of Demo-1, the inaugural flight of one of the spacecraft designed to take NASA astronauts to and from the International Space Station.

Credit: SpaceX



NASA Quality Leadership Forum

Wednesday, March 13, 2019

10:50 - 11:30 AM

Lessons from Balloon Experimental Twin Telescope for Infrared Interferometry (BETTI) Close Call:

Michael Viens, Goddard Space Flight Center

11:30 - 12:30 PM

Lunch

12:30 - 12:45 PM

Live Polling

12:45 - 1:25 PM

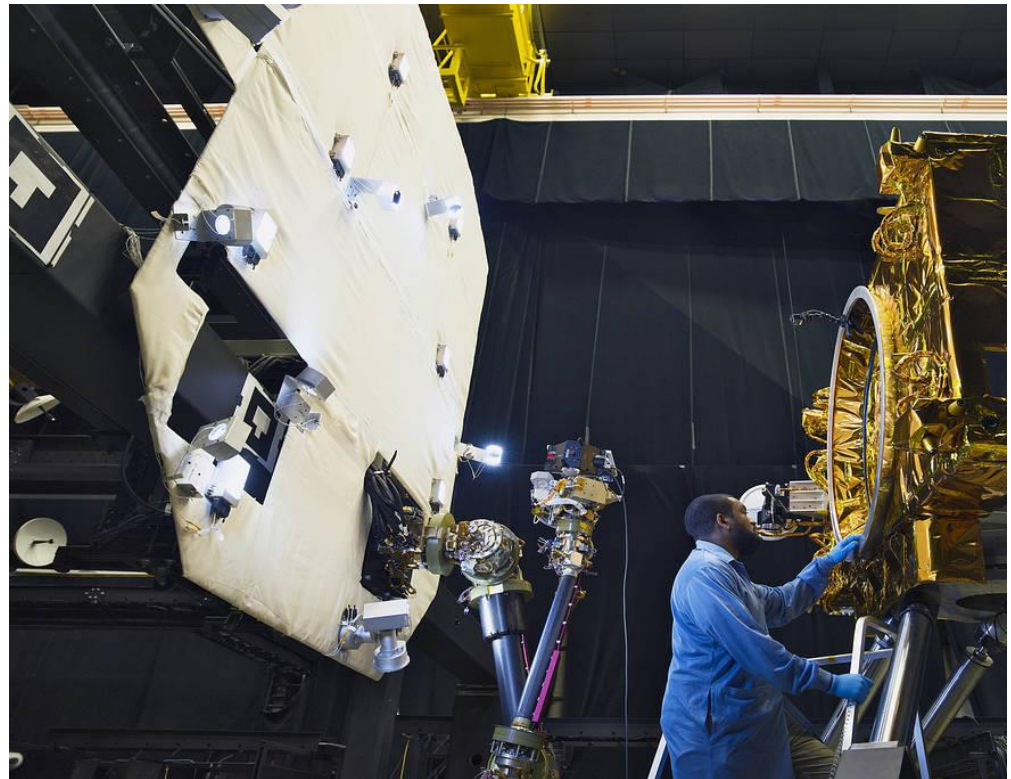
Featured: SMA Quality Leadership and Resilience in a Challenging Project Environment

Paul Teehan, NASA Marshall Space Flight Center

1:25 - 2:05 PM

Workmanship Lab Management Program at Goddard Space Flight Center:

Bo Yang, Goddard Space Flight Center



At NASA's Goddard Space Flight Center, a 10 by 16-foot robot tests satellite servicing capabilities on Earth before they're put to use in space. Sitting on top of the six-legged hexapod is a partial mock-up of a satellite. Credit: NASA/Chris Gunn



NASA Quality Leadership Forum

Wednesday, March 13, 2019

2:05 – 2:15 PM

Sound Bite: NASA-Defense Contract Management Agency (DCMA) Liaison Program:

Leigh Key, Marshall Space Flight Center

2:15 – 2:25 PM

Sound Bite: Building a Quality Organization:

Maria Nowak, Goddard Space Flight Center

2:25 – 2:35 PM

Sound Bite About your project:

TBD

2:35 – 3:15 PM

Overview of Developments in Voluntary Consensus Standards for Counterfeit Parts Avoidance:

Dr. Bhanu Sood, Goddard Space Flight Center



NASA's Parker Solar Probe has completed its first orbit of the Sun and has now begun the second of 24 planned orbits, on track for its second perihelion, or closest approach to the Sun, on April 4, 2019.



NASA Quality Leadership Forum

Wednesday, March 13, 2019

3:15 - 3:45 PM

Networking Break

3:45 - 4:00 PM

Live Polling

4:00 - 4:40 PM

Electrostatic Discharge (ESD) Control Requirements in NASA STD-8739.6:

Alvin Boutte, Goddard Space Flight Center

4:40 - 5:20 PM

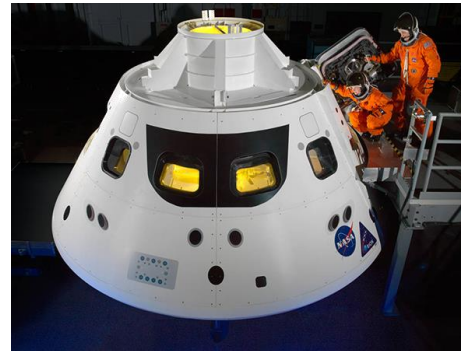
Overview of Strategic Changes to NPD 8730.5 and NPR 8735.2 NASA Quality Assurance Policies:

Jeannette Plante, NASA Headquarters

5:20 - 5:30 PM

Logistics Announcements for Next Day:

Jeannette Plante, NASA Headquarters



NASA's Orion spacecraft is built to take humans farther than they've ever gone before. Orion will serve as the exploration vehicle that will carry the crew to space, provide emergency abort capability, sustain the crew during the space travel, and provide safe re-entry from deep space return velocities.



NASA Quality Leadership Forum: Kennedy Visitor's Center

Tuesday, March 12, 2019, 7:30 – 8:30 PM

Pre-QLF Movie Special Event “Journey to Space”

Join us for “Journey To Space,” a brand new 3D IMAX® film showcasing NASA’s bold plans for the future, including landing astronauts on Mars and capturing asteroids. Through visually stunning imagery and extensive interviews with astronauts Chris Ferguson, commander of the final shuttle mission, and Serena Aunon, a new astronaut chosen for future flights, as well as narration by film and television legend Sir Patrick Stewart, “Journey To Space” gives a sweeping overview of NASA’s past space accomplishments, current activities and future plans.

Don’t miss this chance to see how NASA has been transitioning from the end of the space shuttle era to a much more ambitious future that will forever change how we live and operate in space.

Families are also welcome to attend.



Directions:

- A1A NORTH to SR528 WEST to Exit 49. Turn RIGHT at light to SR3
- Continue NORTHBOUND approx. 6 miles to Space Commerce Way, turn left
- Turn RIGHT for Kennedy Space Center Visitor Complex



NASA Quality Leadership Forum

Thursday, March 14, 2019

8:15 - 8:30 AM

Welcome/Opening Remarks/Live Polling:

John O'Donnell, Jet Propulsion Laboratory

8:30 – 9:15 AM

Human Factors & Risk Management:

Glenn Graham, Armstrong Flight Research Center

9:15 - 9:55 AM

Extracting Value from NASA Quality Engineering and Assurance Data

Dr. William Walker, Johnson Space Center

9:55 – 10:35 AM

Achieving Excellence in System Integration and Data Science World:

Diala Gammoh, Universal Orlando Resort

10:35 - 10:45 AM

Short Break



This artist's concept of NASA's X-57 Maxwell aircraft shows the plane's specially designed wing and 14 electric motors. NASA Aeronautics researchers will use the Maxwell to demonstrate that electric propulsion can make planes quieter, more efficient and more environmentally friendly. Credits: NASA Graphic / NASA Langley/Advanced Concepts Lab, AMA, Inc.



NASA Quality Leadership Forum

Thursday, March 14, 2019

10:45 - 11:25 AM

The Future of Quality in a Model Based Systems Engineering (MBSE) World:

Sean Beckman, Glenn Research Center

11:25 - 12:00 PM

Feedback from Early Career Quality Assurance Professionals and (Video JWST, NASA Advisory Committee Meeting):

Jeannette Plante, NASA Headquarters

12:00 - 1:00 PM

Lunch

1:00 - 1:40 PM

Featured: Space Launch System (SLS) Integrated Quality and Communication

Leigh Key, Marshall Space Flight Center

1:40 - 2:20 PM

Mentoring Early Career Hires:

Jason Fowler, SAFT



The Atacama Rover Astrobiology Drilling Studies, or ARADS, project is designing tools and techniques that could be used to search for life one day on Mars or other places in the Solar System. ARADS is led by NASA's Ames Research Center in California's Silicon Valley.

Credit: NASA/CampoAlto/Victor Robles



NASA Quality Leadership Forum

Thursday, March 14, 2019

2:20 - 3:00 PM

Using the Peer Review Process for Continuous Quality Improvement:

Revital Goldberg, Israel Aerospace Industries

3:00 - 3:30 PM

Networking Break

3:30 - 4:10 PM

Smart Manufacturing and Space Systems

Jeff Juranek, The Aerospace Corp.

4:10 - 4:50 PM

Lessons Learned for Cubesat Teams

William Mast, Wallops Flight Center

4:50 - 5:15 PM

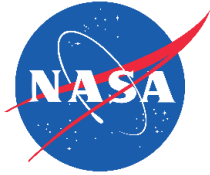
Wrap-Up / Concluding Remarks

Jeannette Plante, NASA Headquarters / John O'Donnell, Jet Propulsion Laboratory



In this Jan. 23, 2018 photo, InSight is in the landed configuration for the last time before arriving on Mars. Scientists commanded to deploy its solar arrays, to test and verify the exact process that the spacecraft will use on the surface of the Red Planet.

Credit: Lockheed Martin Space



NASA Counterfeit Parts Awareness and Inspection Training

Friday, March 15, 2019, 8:00 - 12 Noon

Topics

- Sources of Supply
 - Controlled vs Open Market
- Government Regulations
 - DFARS, FAR, NDAA, NASA Parts Policy
- Industry Standards
- Importance of a Counterfeit Mitigation Plan
 - Procurement, Part Availability, Inspection
- How Counterfeit Parts Enter the Supply Chain
- Counterfeiting Techniques
 - Clones, Blacktopping, Returns, False Up-rating
- External Visual Inspection
 - Package, Marking, Lead Inconsistencies
- Advanced Counterfeit Methods
 - X-ray, Decapsulation, SEM, SAM and more



Training Schedule:

- Half day training session
- Includes hands-on inspection of electronic components
- Participants will receive a certificate of completion and electronic copy of the material

To register for the class, contact:

Diana Shellman

(818) 393-0745

Diana.L.Shellman@jpl.nasa.gov

Space is limited, and filling up fast!



National Aeronautics and Space Administration
Office of Safety and Mission Assurance
NASA Headquarters, Washington, D. C.

<https://qlf.jpl.nasa.gov>