



COLLABORATION ON QUALITY IN THE SPACE AND DEFENSE INDUSTRIES FORUM

Enabling Success in 2020 and Beyond

PANELS AND WORKSHOPS

Panels

Session 1: New Technologies: Digital Transformation

In a continuation of last year's look at new technologies moving from the lab to production to aid with mission success, this year's panel will explore the use of high value predictive analytics to give designers and operators the capability to plan ahead, to see anomalies and failures ahead of time and to plan for them or design around them.

Session 2: New Technologies—Additive Manufacturing From the Customer's Perspective—Verification Strategies for Ensuring Quality Assurance

This panel session explores both the public and private sector customer strategies to verify the quality and reliability of parts made by AM. Insights from NASA, the Department of Energy, the Department of Defense, and Academia will provide attendees with the processes and procedures under consideration or employed by these customers in the AM manufacturing of our nation's most high fidelity and safety critical parts.

Session 3: Commercial Space: Streamlined Launch and Reentry Licensing Requirements

In today's fast-evolving commercial space transportation industry, there is a need to consolidate, update and streamline the launch and reentry regulations to allow for an efficient certification process while maintaining the safety to the public. An ongoing effort to develop a single set of licensing and safety regulations across several types of operations and vehicles is now on its way. Panelists representing the FAA, NASA, and the USAF will share the forthcoming changes, impacts, status.

Session 4: Young/New Quality Professionals: Effective Mentoring

Back by popular demand, we continue to explore opportunities and strategies for attracting and retaining young and new quality professionals to extend the maturing workforce and bridge the knowledge gap. We will discuss the good and bad of mentoring experiences and opportunities with college students and young/new professionals and explore companies/organizations that exercise successful mentorship programs.

Training/Workshops

Session 1: Hardware and Software Assurance Activities to Enable Cyber Physical System Security

This workshop will describe the work of the SAE G32 committee and plans for integration of hardware and software assurance processes into the overall Cyber Physical System Security framework. The workshop will include a discussion of the Program Manager's Guidebook for Software Assurance, which will be provided to the participants.

Session 2: Working the Requirements Interface Between NASA and ESA

This workshop is intended to provide insights and lessons learned related to managing interfaces between globally sourced elements, to assure overall mission success, while also staying within the lanes of the applicable requirements of NASA, ESA and their international supply chain providers. In addition, the workshop will provide insight into dealing with the global supply chain to spark a collaborative discussion for awareness and to exchange ideas on how to best work within this framework while maintaining cost, schedule, and quality.

Session 3: Quality 101: A Government Perspective

An overview will be provided of the processes that precipitate from Quality Engineering (QE) and Quality Assurance (QA) requirements and how those requirements flow down through the supply chain and along the project lifecycle. The variety of inputs and decision-making involved in establishing and executing a Quality Assurance Program for a NASA mission will be discussed. Additionally, we will glance into DCMA's execution of Government Contract Quality Assurance (GCQA) and its outcome of providing program office customers with confidence that products and services meet contractual requirements from a quality panorama.

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DAY 1 SCHEDULE | MONDAY, MARCH 9

7:00 a.m. – 8:00 a.m.	Registration/Continental Breakfast	1:30 p.m. – 1:45 p.m.	Transition to General Session
8:00 a.m. – 8:05 a.m.	Welcome Remarks ASQ ASD Division Chair	1:45 p.m. – 2:15 p.m.	Featured Speaker Wayne Rolland , Deputy Director for the NAVSEA 07Q Submarine Safety and Quality Assurance Division
8:05 a.m. – 8:15 a.m.	Opening Remarks Philip Montag , Vice President, Mission Support Division, KBR	2:15 p.m. – 2:30 p.m.	Break
8:15 a.m. – 8:45 a.m.	Keynote Speaker Robert Cabana , Director, NASA Kennedy Space Center	2:30 p.m. – 4:45 p.m.	SESSION 2 <i>Two Options: Attend Panel or Training/Workshop</i>
8:45 a.m. – 9:15 a.m.	Featured Speaker Joseph A. Dant , NASA, Chief Safety and Mission Assurance Officer (CSO) for the Launch Services Program (LSP), Kennedy Space Center		SESSION 2 PANEL Additive Manufacturing From the Customer's Perspective. Verification Strategies for Ensuring Quality Assurance Andrew Glendening , Associate Branch Head of Quality Engineering Goddard Space Flight Center Dr. Rainer Hebert , Director of the Pratt & Whitney Additive Manufacturing Innovation Center at the University of Connecticut Dr. Matthew Sloane , PhD US Army Combat Capabilities Development Command Armaments Center (CCDC AC) Dr. Allen Roach , Distinguished Staff Scientist at Idaho National Laboratory
9:15 a.m. – 9:30 a.m.	Break		SESSION 2 TRAINING/WORKSHOP Working the Requirements Interface Between NASA and ESA Tim Priser , Director, Quality Assurance, Lockheed Martin Space—Military Space and Mission Solutions Martin Born , ESA - European Space Agency, Product Assurance and Safety Manager, European Data Relay Satellite System (EDRS), TIA-PRQ, Telecommunications Satellite Programmes Department, Directorate of Telecommunications and Integrated Applications, ESTEC
9:30 a.m. – 11:45 a.m.	SESSION 1 <i>Two Options: Attend Panel or Training/Workshop</i> SESSION 1 PANEL New Technologies: Digital Transformation Chris Ritter , Group Lead, Digital and Software Engineering at Idaho National Laboratory Jon Holladay , NASA Technical Fellow for Systems Engineering, Goddard Space Flight Center Joe Alvares , Lockheed Martin Space Advanced Quality Technologies Manager SESSION 1 TRAINING/WORKSHOP Hardware and Software Assurance Activities to Enable Cyber Physical System Security John Hallman , Product Manager for Trust and Security Solutions, OneSpin Solutions Rob Goldsmith , Vice President, PeopleTec, Inc. (SwA)		
11:45 a.m. – 1:00 p.m.	Lunch	5:00 p.m. – 7:00 p.m.	Networking Reception Sponsored by Northrop Grumman and Aviation Space and Defense Division
1:00 p.m. – 1:30 p.m.	Luncheon Keynote Speaker Katie Arrington , Special Assistant to the Assistant Secretary of Defense for Acquisition ASD(A) for Cyber, Office of the Under Secretary of Defense for Acquisition and Sustainment, OUSD(A&S)		

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DAY 2 SCHEDULE | TUESDAY, MARCH 10

7:00 a.m. – 8:00 a.m.	Registration/Continental Breakfast	12:45 p.m. – 1:15 p.m.	Featured Speaker Mike Wadzinski , MDA Safety, Quality and Mission Assurance Director
8:00 a.m. – 8:15 a.m.	Opening Remarks Philip Montag , Vice President, Mission Support Division, KBR	1:15 p.m. – 1:30 p.m.	Transition to General Session
8:15 a.m. – 8:45 a.m.	Keynote Speaker Kent Rominger , Vice President of Northrop Grumman's Strategic Programs	1:30 p.m. – 2:00 p.m.	Keynote Speaker Robert A. Gold , Director, Technology and Manufacturing Industrial Base (TMIB) in the Office of the Under Secretary of Defense for Research and Engineering's Office of Strategic Technology Protection and Exploitation
8:45 a.m. – 9:15 a.m.	Featured Speaker Mike Shields , DCMA, Executive Director of Quality Assurance	2:00 p.m. – 2:30 p.m.	Featured Speaker Wade A. Krieger , Special Agent, NASA Office of IG David Sollberger , NASA Chief Engineer for the Launch Services Program
9:15 a.m. – 9:30 a.m.	Break	2:30 p.m. – 2:45 p.m.	Break
9:30 a.m. – 11:45 a.m.	SESSION 3 <i>Two Options: Attend Panel or Training/Workshop</i> SESSION 3 PANEL Commercial Space—Streamlined Launch and Reentry Licensing Requirements Phillip T. Meade , Associate Director, Spaceport Integration and Services, SI, NASA, Kennedy Space Center Pam Underwood , Manager, Operations Integration Division at FAA Office of Commercial Space Transportation Paul Rosati , Chief, Launch Safety, 45th Space Wing, United States Space Force (USSF) SESSION 3 TRAINING/WORKSHOP Quality 101: A Government Perspective Ron Snell , DCMA Senior Quality Assurance Specialist Jeannette Plante , NASA Technical Fellow for Quality Engineering, Mission Assurance Standards and Capabilities Division, Office of Safety and Mission Assurance, NASA Headquarters	2:45 p.m. – 4:20 p.m.	SESSION 4 PANEL Young/New Quality Professionals: Effective Mentoring Melissa Quijada , NASA GSFC Program Analyst and former Intern Nadia L. Spano , Raytheon, Quality Program Lead Ty-Chris Beasley , NASA KSC Business Development Partnerships Erin Bauer , ASQ Emerging Quality Leaders Program
11:45 a.m. – 12:45 p.m.	Lunch	4:20 p.m. – 4:35 p.m.	Wrap Up, Closing Remarks Philip Montag , Conference Chair, Vice President, Mission Support Division, KBR
12:15 p.m. – 12:45 p.m.	Luncheon Keynote Speaker Laura Gloss , Director of Procurement, Syracuse Research Corporation		

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COLLABORATION ON QUALITY IN THE SPACE AND DEFENSE INDUSTRIES FORUM – CQSDI

Enabling Success in 2020 and Beyond

March 9 – 10, 2020

Radisson at the Port
Cape Canaveral, FL

Four Panel Sessions
Three Workshop/Training Sessions

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and register today!

QUALITY LEADERSHIP FORUM

NASA will hold its **Quality Leadership Forum (QLF)** following CQSDI on **March 11 – 12** at the same venue. The themes for this year's QLF will be requirements tailoring and management for risk tolerant missions; generating, acquiring and analyzing quality data; technical topics from NASA missions; and tools.

To attend, please sign up at <https://qlf.jpl.nasa.gov>

QLF will also host a Movie Special Event—"Journey to Space" and a Counterfeit Parts Avoidance and Inspection Training class. Agenda details can be found at <https://qlf.jpl.nasa.gov>



Supported by the National Aeronautics and Space Administration, the Department of Defense, the Missile Defense Agency, and the Defense Contract Management Agency.

Sponsored by the ASQ Aviation, Space & Defense Division.



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600 N. Plankinton Ave.
Milwaukee, WI 53203-2914

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March 9 – 10, 2020 | Radisson at the Port | Cape Canaveral, FL

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