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

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<th>Time</th>
<th>Event</th>
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<tr>
<td>7:00 a.m. – 8:00 a.m.</td>
<td>Registration/Continental Breakfast</td>
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<tr>
<td>8:00 a.m. – 8:05 a.m.</td>
<td>Welcome Remarks</td>
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<td>8:05 a.m. – 8:15 a.m.</td>
<td>Opening Remarks</td>
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<tr>
<td>ASQ ASD Division Chair</td>
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<td>Philip Montag, Vice President, Mission Support Division, KBR</td>
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<td>8:15 a.m. – 8:45 a.m.</td>
<td>Keynote Speaker</td>
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<td>Robert Cabana, Director, NASA Kennedy Space Center</td>
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<td>8:45 a.m. – 9:15 a.m.</td>
<td>Featured Speaker</td>
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<td>Joseph A. Dant, NASA, Chief Safety and Mission Assurance Officer (CSO) for the Launch Services Program (LSP), Kennedy Space Center</td>
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<td>9:15 a.m. – 9:30 a.m.</td>
<td>Break</td>
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<tr>
<td>9:30 a.m. – 11:45 a.m.</td>
<td>SESSION 1 Two Options: Attend Panel or Training/Workshop</td>
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<tr>
<td>SESSION 1 PANEL</td>
<td>New Technologies: Digital Transformation</td>
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<tr>
<td>Chris Ritter, Group Lead, Digital and Software Engineering at Idaho National Laboratory</td>
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<td>Jon Holladay, NASA Technical Fellow for Systems Engineering, Goddard Space Flight Center</td>
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<td>Joe Alvares, Lockheed Martin Space Advanced Quality Technologies Manager</td>
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<tr>
<td>SESSION 1 TRAINING/WORKSHOP Hardware and Software Assurance Activities to Enable Cyber Physical System Security</td>
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<td>John Hallman, Product Manager for Trust and Security Solutions, OneSpin Solutions</td>
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<td>Rob Goldsmith, Vice President, PeopleTec, Inc. (SwA)</td>
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<tr>
<td>11:45 a.m. – 1:00 p.m.</td>
<td>Lunch</td>
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<td>1:00 p.m. – 1:30 p.m.</td>
<td>Luncheon Keynote Speaker</td>
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<td>5:00 p.m. – 7:00 p.m.</td>
<td>Networking Reception</td>
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DAY 2 SCHEDULE | TUESDAY, MARCH 10

7:00 a.m. – 8:00 a.m.  Registration/Continental Breakfast

8:00 a.m. – 8:15 a.m.  Opening Remarks
Philip Montag, Vice President, Mission Support Division, KBR

8:15 a.m. – 8:45 a.m.  Keynote Speaker
Kent Rominger, Vice President of Northrop Grumman’s Strategic Programs

8:45 a.m. – 9:15 a.m.  Featured Speaker
Mike Shields, DCMA, Executive Director of Quality Assurance

9:15 a.m. – 9:30 a.m.  Break

9:30 a.m. – 11:45 a.m. SESSION 3 Two Options: Attend Panel or Training/Workshop

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

11:45 a.m. – 12:45 p.m.  Lunch

12:15 p.m. – 12:45 p.m.  Luncheon Keynote Speaker
Laura Gloss, Director of Procurement, Syracuse Research Corporation

12:45 p.m. – 1:15 p.m.  Featured Speaker
Mike Wadzinski, MDA Safety, Quality and Mission Assurance Director

1:15 p.m. – 1:30 p.m.  Transition to General Session

1:30 p.m. – 2:00 p.m.  Featured 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

2:00 p.m. – 2:30 p.m.  Luncheon Keynote Speaker
Laura Gloss, Director of Procurement, Syracuse Research Corporation

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

4:20 p.m. – 4:35 p.m.  Wrap Up, Closing Remarks
Philip Montag, Conference Chair, Vice President, Mission Support Division, KBR

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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

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