

ABSTRACT AND BIOGRAPHY

Preparing to Lead a Complex Project

Are you wondering what experience and training would be helpful in preparing to manage a complex project? This session will provide an overview of the training and development components of Johnson Space Center's three technical development programs; Program/Project Management Development (PPMD) Program, Project Leadership Program (PLP), and Space Systems Engineering Development Program. The components of these development programs were established based on the council of many senior leaders at NASA and lessons learned from current and former Program and Project Managers. In addition, individuals from all three development programs will participate on a panel to discuss their experiences with mentoring, work assignments, training and networking. These panelists represent management and technical leaders in three of NASA's most complex programs: International Space Station (ISS), Space Shuttle Program (SSP) and Constellation Program (CxP). There is a consistent challenge in balancing leadership skills and abilities with the technical depth to manage the comprehensive work of these Programs. Many leadership and project management lessons are to be learned from managers of ISS, SSP and CxP but it is also helpful to understand how these leaders prepared for their roles along with what they wish they had done to be better prepared. These lessons learned can be applied at any point in a person's career regardless of participation in a development program. Time will provided for open question and answer for panelists.

Kelly Elliott

Deputy Manager, HR Development
NASA Johnson Space Center

Ms. Elliott is the Deputy Manager for Human Resources Development at the Johnson Space Center. As part of this role, Ms. Elliott oversees the creation and management of development programs to prepare the JSC workforce for its future roles in support of the Vision for Space Exploration. She has been integral to the success of Program/Project Management Development Program (PPMD) since its inception in March 2006.

Ms. Elliott joined NASA in the spring of 2005 as a Human Resources Development Representative providing individual and organizational support to JSC Directorates and Programs. Prior to joining NASA she served as an Account Manager for Mercer Human Resources Services. She has also worked as a product manager designing workforce development technology and an independent consultant specializing in change management.

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Ms. Elliott is a graduate of Texas A&M University and has an MBA from University of Houston – Clear Lake. She was recently awarded the Silver Snoopy Award for her efforts with the PPMD Program.

Bob Doremus

*Manager, Space Shuttle Safety and Mission Assurance Office
NASA Johnson Space Center*

Mr. Doremus is the Manager of the Space Shuttle Safety and Mission Assurance Office at NASA's Johnson Space Center. In this capacity, he is responsible for providing overall guidance and technical integration of the S&MA disciplines across the Space Shuttle Program and serves as a member of the Mission Management Team, providing input and expertise on critical decisions during Space Shuttle missions.

Prior to this position, Mr. Doremus served NASA in numerous capacities including: Deputy Manager, Space Shuttle Safety and Mission Assurance Office, Vehicle Manager managing spacecraft design activities for the Orbital Space Plane Project and Group Lead within the MOD Systems Division. He received a Silver Snoopy and the JSC Honor Award for his work in the Space Shuttle Program.

Mr. Doremus earned his a Bachelor of Science degree in Mechanical Engineering from Texas A&M University in 1982 and joined Johnson Space Center in 1989.

Carol Scott

*Manager, Constellation Program Integration Space Transportation Planning Office
NASA Kennedy Space Center*

Carol A. Scott is currently developing the Program Integration Office for the Constellation Space Transportation Planning Office (CSTP). CSTP is doing the planning for the Operations Program known as Constellation Space Transportation Program Office within Space Operations Mission Directorate (SOMD) that will operate the Ares I/ Orion Block I to ISS. Her focus is on Operability requirements, and developing a staffing and work content plans for the Program Integration office.

Scott joined NASA in 1987 as a main propulsion/space shuttle main engine systems engineer. She held various positions in progression to become MPS/SSME integration lead. She was the system lead for Columbia for the STS-35 hydrogen leak investigation. In 2000, she became the orbiter project engineer for Discovery, leading the test team through several launches, Kennedy's first orbiter modification period and initial post-Columbia return-to-flight phase. In 2005, she became the Kennedy shuttle program integration manager responsible for the Kennedy Shuttle System Engineering and

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Integration and Integrated Logistics offices. In October 2005, she became one of the founding managers for the new Constellation Ground Operations Project office, responsible for launch vehicle requirement definition and execution. Previously she was the deputy mission manager for the Constellations Program's first test flight vehicle, Ares I-X, at NASA's Kennedy Space Center, Fla. She was responsible for the design development, manufacture and execution of the Ares I-X test flight mission. Her focus is on the development of the ground systems and operations that lead to a successfully launch and recovery of the flight vehicle.

Scott attended Mississippi State University and received a Bachelor of Science in chemical engineering. She later attended Florida Institute of Technology and received a Masters of Business Administration. She has received numerous awards including Group Achievement awards, NASA Commendation Awards and the NASA Award of Exceptional Achievement.

Scott resides in Merritt Island, Fla., with her husband, Russ, and two children, Juliann and Morgan.

Jay Leggett

ISS Vehicle Chief Engineer
NASA Johnson Space Center

Mr. Leggett currently serves as the ISS Vehicle Chief Engineer. In that capacity, he has the responsibility of evaluating hardware development as well as the proactive identification and working of vehicle problems and issues for the ISS Program Office. He assists the ISS Chief Engineer in the management and technical direction of Engineering activities pertaining to vehicle systems development and operation.

Prior to this position, Mr. Leggett has served NASA in other capacities including: NASA Engineering Safety Center (NESC) Systems Engineer, Chief Engineer for Shuttle Orbiter Major Modifications, Assistant to ISS Chief Engineer, and Deputy ISS System Manager for Passive Thermal Control.

Mr. Leggett has a Bachelor's Degree in Aerospace Engineering and is recognized for his ability to manage complex projects and to lead teams of technical experts and systems managers toward a common goal in the ISS Program.