



APRIL 23-26, 2019 | WASHINGTON DC

GAYLORD NATIONAL | NATIONAL HARBOR, MARYLAND

**The Aircraft Airworthiness & Sustainment (AA&S) Conference and
The Propulsion Safety and Sustainment (PS&S) Conference**

About the Aircraft Airworthiness & Sustainment (AA&S) Conference

Purpose: AA&S 2019 is bringing together senior individuals tasked with ensuring **airworthiness of commercial and military aircraft systems and the sustainment of aging fleets, both within the military and commercial arenas.** This Conference will highlight several of the principal arenas of mutual interest to conference participants. Training Sessions, Keystone Panels and over 80 technical sessions will benchmark the current state of affairs, the key issues, technology themes for the future and what needs to be done NOW within these arenas. This NOW perspective framework will help focus those conference papers which will deal with these themes in more depth. Conference presenters are selected from a wide range of key military and commercial sector leaders to deliver an unbeatable forum.

*** AIRWORTHINESS:** Understanding the Strategic Vision

Airworthiness planning is accomplished early in the acquisition cycle for new aircraft programs and for modification programs which impact the airworthiness of existing aircraft. This planning defines the overall program approach to achieving and maintaining air system airworthiness and creates the framework within which detailed airworthiness planning and execution is accomplished. The AA&S Conference will feature senior leaders from DOD, NASA, FAA and Industry and will address the strategic vision of airworthiness across the agencies, challenges facing new and legacy air systems, and the development of airworthiness processes, guidance, bulletins, and qualification documents.

*** STRATEGIC SUSTAINMENT THEMES**

New capability for even more effective management of the legacy aircraft fleet is of strong and increasing interest to the DOD, NASA, FAA and Industry. There have been a number of important recent Air Force developments which are expected to be of considerable interest to the AA&S community because the opportunities for partnering are significant. Important developments include: new AFMC sustainment requirements processes, sustainment themes across the Air Force Service Core Functions, the depot modernization initiative lead by AFSC, the results from the four Air Force Sustainment Blue Ribbon Panels, the new AFRL Sustainment S&T Strategy/Strategic Plan and the new AFRL sustainment technology transition program: strategy, processes and programming.

In addition to the above thrusts, the Conference will focus on topics dealing with aircraft structures and fatigue, avionics, fleet management, wiring, obsolescence, engines, dynamic components and various other topics.

History: The Aircraft Airworthiness & Sustainment (AA&S) Conference (formerly the Aging Aircraft Conference) has been the most recognized domestic and international conference dealing with aging aircraft and fleet sustainment issues. It has drawn anywhere from 300 to 1,000 attendees over its long history. This Conference brings together members of the aircraft industry (Boeing, Lockheed, Airbus, Bell), commercial airline industry (United, Delta), the US Federal Agencies (FAA, NASA, Army, Navy, Air Force, Marine, Coast Guard, Defense Logistics Agency), foreign nationals and various support industries who share the common problem of dealing with the effects of the age of their respective fleet of aircraft.



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About the Propulsion Safety and Sustainment (PS&S) Conference

Purpose: PS&S brings together senior individuals as well as entry level professionals tasked with ensuring safety concerns with engines in their development and sustainment in all aircraft, both within the military and commercial sectors. This Conference will highlight several of the principal arenas of mutual interest to conference participants. Training Sessions, Keystone Panels and over 25 technical sessions will discuss the current state of affairs, key challenges and technology themes for the future as well as what needs to be done NOW in this critical thrust areas. This focus on the NOW perspective framework will help focus the conference papers which will deal with these themes in more depth. Conference presenters and invited experts are selected from a wide range of expert military and commercial sector leaders to deliver information you can use now and integrate into your day to day work efforts.

***Propulsion Safety and Sustainment Themes:**

The Propulsion Safety and Sustainment (PS&S) Conference will highlight recent advanced turbine engine technologies that will have significant impact on reducing engine related Class A mishaps, reducing maintenance costs, sustainment and increasing average time on wing. The Conference directly supports the tri-service initiative to proactively address or prevent safety problems within the tri-service turbine engine fleet, through the transition of existing and emerging technologies, while focusing emerging technological advances on sustaining the engines that service our military and commercial fleets. Additionally, government sponsored research and development efforts to improve performance and operability of augmentors will be addressed. This conference is devoted to efforts in advancing aircraft and missile gas turbine engine augmentors for military applications, and will pave the way for more reliable and lower cost designs for existing and future military systems. This initiative will bring together government, academia, and industry representatives, as they focus on the challenges of enhancing current and future military propulsion systems.

In addition to the above focus areas, the Conference will have a major educational outreach in the exploding technology of Additive Manufacturing as it relates to the propulsion industry. This will be accomplished with Keystone Panels comprised of current experts from the commercial and military sectors. Also, specialized Additive Manufacturing training will be offered to all conference attendees at no additional fee to provide more individualized instruction with areas of personal professional relevance.

History: The PS&S Conference is a direct descendant of the Propulsion Safety and Affordable Readiness (P-SAR) Conference that had a storied existence of providing real solutions to propulsion problems in the military and commercial world for 10+ years. While focusing on many of the same issues that made P-SAR the industry standard on propulsion technology, it has broadened its scope on sustainment, a major concern in our industry today and in the future.



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Agenda: The agenda will consist of multiple training sessions in a variety of disciplines, all day on Monday. Keystone Panels will present to the entire audience on Tuesday, followed by Concurrent Technical Sessions running in 3-4-parallel tracks the remainder of the week.

Training will be provided at no additional charge on Monday dealing with the following disciplines:

- Additive Manufacturing
- Performance Based Logistics Training
- USAF Airworthiness Certification Process Overview
- Leading Engineers
- FAA Certification

Keystone Panels & Concurrent Technical Sessions will provide practical and in-depth analysis of topical concerns to our attendees. ALL attendees will be invited to supply questions to be answered by these experts during the Session. These panels and sessions will be comprised of diverse senior level military decision makers and their industry counterparts. Topics will include:

- Airworthiness: Government & Industry Perspectives (2 Panels)
- S&T Tri-Service Propulsion and Sustainment Technology Briefings
- Sustainment Technology
- Additive Manufacturing
- Condition-Based Maintenance/IVHM
- Structures
- UAVs/RPAs
- Airframe Digital Twin/Digital Thread
- Corrosion
- Probabilistic Expert Panel

Exhibits showcasing government and industry airworthiness and sustainment initiatives will be a key networking arena for attendees.

Sponsor: AA&S/PS&S 2019 will be sponsored by Universal Technology Corporation (UTC). Planning is conducted in collaboration with many military and industry entities.

Registration Fee: \$895 Individual

Exhibit Space (10 ft x 10 ft.): \$TBD

Visit the AA&S/PS&S 2018 Conference Website at:

www.aasconference.com