Together we are transforming the battlespace and the business.

In the battlespace of tomorrow, success depends on synchronized networks that rapidly integrate data and systems across all domains. At Lockheed Martin, DevSecOps software development, modular open systems architectures and digital engineering are making this future possible. So that together, we outpace and paralyze our adversaries.

Learn more at lockheedmartin.com/afa-2020

Lockheed Martin. Your Mission is Ours.®
# I. Introduction

Welcome

Welcome Messages from vASC Platinum Sponsors

List of Exhibitors

Individual Benefactors

## II. Air, Space & Cyber Conference

Schedule of Events

Speaker Biographies

AFA Supporting Partners

In Memoriam

## III. Awards

Outstanding Airmen of the Year

Air Force Association Notable Awards

The Air Force Association has been serving, supporting, and championing the Air Force since 1946. Our mission is to promote dominant U.S. Air and Space Forces as the foundation of a strong National Defense; to honor and support our Airmen, Space Force Professionals, and their Families; and to remember and respect our enduring Heritage.

AFA is committed to educating the public on the invaluable benefits of air dominance, advocating for the Air and Space Forces, and supporting the Air and Space Force family. The Air, Space & Cyber Conference was created to do just that. Our conference provides a forum for Air and Space Force leadership and service members, industry, academia, and supporters to engage in open dialogue regarding the state and future of airpower, creating extensive networking and professional development opportunities.
Welcome!

On behalf of 96,000 members of the Air Force Association worldwide, welcome to our virtual Air, Space, & Cyber Conference. We are delighted you can join us for this premier professional development event, our 72nd annual conference and the first to be entirely virtual.

Our aim is to make this the most intriguing and engaging virtual conference of the year. Please tour our virtual exhibit hall, schedule meetings with vendors, and watch the live and on-demand talks and presentations. You’ll also have opportunities to meet the 12 Outstanding Airmen of the Year, and find fun ways to track your progress and connect on social media.

This year’s theme is “Aerospace Nation: Air, Space, & Cyber Forces in the Fight.” The theme reflects the National Defense Strategy and the best Air and Space Forces the world has ever seen. To remain the best, they must partner ever more closely with industry and international partners to develop and improve capabilities in every domain and counter the very real threats our nation faces.

Our speaker lineup is packed. On Monday, we welcome Secretary of the Air Force, The Honorable Barbara Barrett, and our new Air Force Chief of Staff, Gen Charles Q. Brown, Jr., for live addresses. On Tuesday, we’ll host the Space Force Chief of Space Operations, Gen. John W. “Jay” Raymond, and Chief Master Sergeant Roger A. Towberman, the Senior Enlisted Advisor of the United States Space Force.

We will also hear from the new Chief Master Sergeant of the Air Force JoAnne S. Bass, and The Honorable Dr. Mark Esper, our Secretary of Defense.

Approximately 19 afternoon sessions, available on demand, will feature panel discussions and illuminating presentations from all across the Department of the Air Force, industry, and academia, Among them are Major Command leaders, Airmen and Space Professionals of all sorts, and industry thought leaders.

Please explore our virtual exhibit hall, learn more the 12 Outstanding Airmen of the Year, check out our virtual “Trophy Room.” Finally, if you aren’t already a member of AFA, you should be.

Visit AFA’s booth to learn more about your Air Force Association and all we do to support the Air and Space Forces. Join the Fight!

Gerald R. Murray, CMSAF, USAF (Ret.)
Chairman of the Board

Bruce “Orville” Wright, Lt Gen, USAF (Ret.)
President
WELCOME MESSAGES FROM VASC PLATINUM SPONSORS

BOEING

DAVE ALEXANDER
President - General Atomics, Aeronautical Systems

SCOTT FORNEY
President - General Atomics, Electromagnetic Systems

PLATINUM SPONSOR

GENERAL ATOMICS

Maj Gen Sharon Dunbar (USA, Ret.)
VP, Cross-Company Business Initiatives

PLATINUM SPONSOR

GENERAL DYNAMICS
Mission Systems

Chris Kubasik
VERA Dermody, President

PLATINUM SPONSOR

L3HARRIS

JIM TAILLEUX
President and Chief Executive Officer

PLATINUM SPONSOR

LOCKHEED MARTIN

PLATINUM SPONSOR

NORTHROP GRUMMAN
Boeing’s F-15EX is the most affordable, ready solution for our U.S. national defense mission. It seamlessly integrates into the existing fleet to strengthen homeland defense and air superiority capabilities into the future.

Click here to visit our AFA-ASC immersive exhibit
Click here to learn more about F-15EX
AAFEs - Bronze
The Exchange is the 61st-largest retailer in the U.S. Exchange earnings provide dividends to military Quality-of-Life programs. The Department of Defense’s largest retailer, responsible to the Secretaries of the Army and Air Force. One hundred percent of Exchange earnings support the military community. Roughly two-thirds support Quality-of-Life programs critical to maintaining force readiness and resiliency, including Child Development Centers, Youth Programs, Fitness Centers and more.

Academic Partnership Engagement Experiment (APEX) - Bronze
Click HERE to schedule your appointment
APEX cultivates innovation by expanding the American research enterprise for the U.S. Air Force. APEX collaborates with academia, industry and the government that possess capabilities of interest to the U.S. Air Force; identifies defense solutions in these sectors via data analytics; provides coaching for startups and proposals; and engages with the DoD to move defense technology from discovery to reality.

Aerotech Rocketdyne - Silver
Click HERE to schedule your appointment
Aerotech Rocketdyne is a world-recognized aerospace and defense leader that provides propulsion and energetics to the space, missile defense and strategic systems, tactical systems and armaments areas, in support of domestic and international markets. To learn more visit www.Rocket.com.

AGI - Silver
Click HERE to schedule your appointment
AGI mission-level software helps engineers, operators, and analysts working on complex land, sea, air, and space systems. Our modeling, analysis, and visualization tools, coupled with legendary customer support, help those in aerospace and defense organizations make critical decisions faster and more accurately in an operational context. Learn more at agi.com.

Airbus - Silver
Click HERE to schedule your appointment
Airbus, a global leader in aerospace, defense, space and related services, has contributed more than $167 billion to the U.S. economy since 1990 and supports over 275,000 American jobs through its network of suppliers. Airbus offers a broad array of advanced solutions to meet U.S. military and commercial requirements, including fixed- and rotary-wing aircraft, homeland security systems, public safety communications, defense electronics and avionics, and threat detection systems.

Air Force Advanced Manufacturing Olympics - Bronze
Click HERE to schedule your appointment
Registration is now open for the Air Force’s inaugural Advanced Manufacturing Olympics, happening October 20-23, 2020! Join us at this free, virtual gathering for four days of unforgettable technical experiences, cutting-edge speakers, virtual peer networking, and more. Wherever you are, discover new technologies and insights from thought-leaders across government, industry, academia, and small businesses – delivered straight to your digital device. Learn more and register on our website!

Air Force Assistance Fund - Gold
Click HERE to schedule your appointment
The Air Force Assistance Fund is an annual effort to raise funds for the charities that provide support to our Air Force family in need (active duty, retirees, reservists, guard and our dependents, including surviving spouses). The four charitable organizations (the Air Force Aid Society, the LeMay Foundation, Air Force Villages Charitable Foundation and Air Force Enlisted Village) support in an emergency, with educational needs, or a retirement home for widows/widowers.

Air Force Association - Gold
Click HERE to schedule your appointment
The Air Force Association (AFA) is a nonprofit, independent, professional military and aerospace education association promoting aerospace power and its pivotal role in the security of the nation. AFA holds national symposia, publishes Air Force Magazine and disseminates information through outreach programs.

Air Force Culture and Language Center - Bronze
Click HERE to schedule your appointment
AFCLC’s mission is to use language, regional expertise, and culture education to enhance interoperability and build partner capacity across the spectrum of military operations. We are the Department of Defense’s premier organization in customized curriculum, teaching, and delivery methods to meet students where they are and posture them for utilization.

Air Force CyberWorx - Bronze
Click HERE to schedule your appointment
Air Force CyberWorx is a dynamic organization, part of the DoD innovation ecosystem, partnering a variety of expert problem solvers - Airmen, cadets, industry, and academia - to identify and solve problems to enrich and protect our nation, businesses, and lives. As an organization focused on User Experience, we seek unique ways to deliver services that meet the needs of our diverse user base.

Air Force Cyber College - Bronze
Click HERE to schedule your appointment
Established in 2019, the Air Force Cyber College was created to empower warrior leaders through education, partnerships, and innovative research to integrate cyber in support of US National Defense Strategy. The Air Force Cyber College, a part of Air War College, is located at Air University on Maxwell AFB in Montgomery, Alabama.

Air Force JROTC - Bronze
The mission of Air Force Junior ROTC is to “Develop citizens of character dedicated to serving their nation and community.” Air Force Junior ROTC is not an USAP accessions program and cadets are never under any obligation to join the military. Air Force Junior ROTC is a Title 10 US Code mandated citizenship training program that is designed to educate and train high school cadets in citizenship, promote community service, instill personal responsibility, character, and self-discipline.

Air Force Research Laboratory - Bronze
Click HERE to schedule your appointment
The Air Force Research Laboratory (AFRL) is the primary scientific research and development center for the Air Force. AFRL plays an integral role in leading the discovery, development, and integration of affordable warfighting technologies for our air, space, and cyberspace forces. AFRL provides a diverse portfolio of science and technology ranging from fundamental to advanced research and technology development. For more information, visit www.afresearchlab.com

Air Force ROTC - Bronze
Click HERE to schedule your appointment
The Air Force ROTC Gold Bar program’s primary goal is to advise qualified and diverse candidates on ROTC benefits with a focus on ROTC scholarships. Advisors also take a general approach to help candidates learn about the Air Force as a whole and guide them in making the best decision for their future based on individual goals/interests.

Air Force Wounded Warrior Program (AFW2) - Bronze
Click HERE to schedule your appointment
The Air Force Wounded Warrior (AFW2) Program provides personalized restorative care to seriously wounded, ill and injured Airmen, Caregivers and families. Advocate to ensure access to medical and non-medical services to facilitate a return to duty process. Provide support throughout the transition back to duty, separation or retirement as an “Airman for Life” well-equipped to manage challenges regardless of injury or illness.

Airman & Family Readiness - Air Force Families Forever Program - Bronze
Click HERE to schedule your appointment
Airman & Family Readiness Centers provide targeted support and services, contributing to mission readiness, resiliency, and the well-being of the Air Force community. We stand ready to assist throughout the military life cycle and beyond with a plethora of personal/work life programs, including Relocation, Key Spouse, Family Housing, Crisis Response & Deployment Support, Transition Assistance, Financial Readiness, Spouse Employment, and AF Families Forever the Air Force’s long-term support to survivors.

Air University - Bronze
Click HERE to schedule your appointment
Air University, headquartered at Maxwell Air Force Base, Ala., is a key component of Air Education and Training Command, and is the Air Force’s center for professional military education. Air University provides the full spectrum of Air Force education, from pre-commissioning to the highest levels of professional military education, including degree granting and professional continuing education for officers, enlisted and civilian personnel throughout their careers.

Akrometrix - Bronze
Click HERE to schedule your appointment
Akrometrix is the leading manufacturer of warpage solutions for the R&D Lab, SMT production lines, as well as a provider of Testing Services for our customers. We utilize Shadow Moiré, Digital Fringe Projection (DFP), and Digital Image Correlation (CTE) vision technologies, capable of measuring warpage of electronic components and PCB assemblies, from sub-freezing to reflow oven temperatures up to 350°C, with a focus on electronics utilized in Air, Space and Defense applications.

Amazon Web Services - Bronze
Click HERE to schedule your appointment
Amazon Web Services (AWS) Worldwide Public Sector helps government customers deploy cloud services to reduce costs, drive efficiencies, and increase innovation across the globe. With AWS, you can pay for what you use, with no up-front costs for educational infrastructure expenses or long-term commitments. Public Sector organizations of all sizes use AWS to build applications, host websites, harness big data, store information, conduct research, improve online access for citizens, and more.

Armyman Directorate-Bronze
Click HERE to schedule your appointment
The US Air Force Weapon’s acquisition mission is to equip warfighters by acquiring and supporting war-winning capabilities... on time, on target. The Armament Directorate plans and executes all life cycle activities for air-delivered munitions as well as other next-generation capabilities. We’re looking for new, innovative technologies to apply to our portfolio as well as finding qualified people to execute our mission. If interested please visit AirForceWeapons.com

AT&T - Gold
Click HERE to schedule your appointment
Our first name has always been American, but today you know us as AT&T. By bringing together solutions that help protect, serve and connect — committed AT&T professionals are working with the public sector to transform the business of government. No company is more invested in America’s future than AT&T.

BAE Systems - Gold
We’re delivering next generation solutions to help connect, modernize, and empower the warfighter today and for decades to come. From advanced electronic warfare systems and kinetic weapons to leading solutions in combat air, and from transformation of data into intelligence to engineering of essential military systems around the globe - we help ensure the United States and its allies have the advantage on every mission. No matter the domain – air space or cyber – we rise to the challenge.

Battelle - Silver
Click HERE to schedule your appointment
For more than 90 years, Battelle has been trusted to deliver remarkable science, technology and engineering outcomes for government and industry alike. With experience spanning dozens of interrelated disciplines, unmatched facilities, and objectivity as the world’s largest not-for-profit R&D organization, we provide comprehensive, deployable solutions that protect people and save lives. We’re addressing cyber resilience, hypersonics, workforce development and more. Visit battelle.org/KASC2020.
It’s impossible to connect the joint force as one.

Until it’s not.

ngc.com/AsOne
Blue Force Technologies - Bronze

Boeing Company - Platinum
Boeing is the world’s largest aerospace company and leading manufacturer of commercial jetliners, defense, space and security systems, and service provider of aftermarket support. Boeing products and tailored services include commercial and military aircraft, satellites, weapons, electronic and defense systems, launch systems, advanced information and communication systems, and performance-based logistics and training. Boeing has a long tradition of aerospace leadership and innovation.

CADI - Silver
From the beginning, CADI has been helping bases against C-JIAS threats to protecting critical strategic communications, CADI brings a full spectrum of powerful multi-domain command, control, communications, and computer capabilities to bear on today's aerospace power challenges. Learn more about all of our unique expertise and innovative technology at cadi.com.

CAE - Gold
Click HERE to schedule your appointment
CAE is a global leader in training for military & civil aviation. We train more pilots each year than any company and offer the most comprehensive portfolio of solutions to help answer the question "where are you on your mission training continuum?" Join us at AAFS Khalif Air, Space & Cyber (KASC) conference to learn about our training & mission systems integration capabilities & turnkey aircrew training solutions, including new digital technologies & data analytics for pilot training.

Carnegie Mellon University, Software Engineering Institute - Silver
Click HERE to schedule your appointment
Operated by Carnegie Mellon University, the Software Engineering Institute has been a leader in software engineering and cybersecurity since 1994. We research complex, long-term problems and deliver solutions to the Department of Defense, government agencies, industry, and the global software and systems engineering community. The SEI is a national resource in pioneering emerging technologies, cybersecurity, software architecture, and software lifecycle assurance.

Chenega Applied Solutions - Bronze
Chenega Applied Solutions (CAS) is an Alaska Native, Small Disadvantaged Business that provides holistic services encompassing all aspects of modernization. From tools and technologies, to environments and methodologies, to culture and vision CAS is proud to present Modernization as a Service (Maas).*

Citrix Public Sector - Bronze
Citrix aims to power a world where people, organizations and things are securely connected and accessible to make the extraordinary possible. We help customers reimagine the future of work by providing the most comprehensive secure digital workspace that unifies the apps, data and services people need to be productive, and simplifies it’s IT’s ability to adopt and manage complex cloud environments. Citrix solutions are in use by more than 400,000 organizations including 98 percent of the Fortune 500.

Civil Air Patrol - Gold
Civil Air Patrol is the auxiliary of the Air Force and a congressionally-chartered non-profit. With 560 single-engine aircraft and 66,000 volunteers, it flies missions as a Total Force partner supporting 90% of inland search missions among other critical, non-combatant priorities. Its weekly youth development programs and STEM outreach support thousands of communities. www.gocivilairpatrol.com.

Cobham Advanced Electronic Solutions - Bronze
Cobham Advanced Electronic Solutions is the largest provider of analog and radiation hardened technology for the United States aerospace and defense industry. With a broad portfolio of off-the-shelf and customized RF, microwave and high reliability microelectronic products and subsystems, CAES offers a complete range of solutions for the entire signal chain from aperture to digital conversion. Cobhemaes.com

Collins Aerospace - Gold
Collins Aerospace, a unit of Raytheon Technologies (NYSE: RTX), is a leader in technologically advanced and intelligent solutions for the global aerospace and defense industry. Created in 2018 by bringing together UTC Aerospace Systems and Rockwell Collins, Collins Aerospace has the capabilities, comprehensive portfolio and expertise to solve customers’ toughest challenges and to meet the demands of a rapidly evolving global market.

Columbia Southern University - Bronze
Click HERE to schedule your appointment
Named as one of the top Military Friendly® schools, Columbia Southern University offers online associate, bachelor's, master's and doctoral degree programs in relevant industries. With a military student body population of approximately 40 percent, CSU takes great pride in providing GI Bill transferability. AU-ABC, transfer credit for military training and affordable tuition rates for military families. Visit ColumbiaSouthern.edu/Military or call (877) 347-6050 to learn more.

Community College of the Air Force - Bronze
Click HERE to schedule your appointment
The Community College of the Air Force is a federally-chartered academic institution that serves the United States Air and Space Forces' enlisted total force. We partner with 111 affiliated Air and Space Force schools and 360 Education Service Offices worldwide to serve approximately 270,000 active, guard, and reserve enlisted personnel, making CCAF the world's largest community college system. The college annually awards over 22,000 associate in applied science degrees from 69 degree programs.

Cubic - Silver
Click HERE to schedule your appointment
Cubic is a leading provider of innovative air combat training systems and C4ISR solutions. Cubic’s other core competencies include advanced simulation, data analytics and battlefield visualization with best-of-breed LVC technologies to train warfighters against a near-peer threat. Cubic’s Nextmission portfolio is reshaping multimodal operations with mission-inspired solutions that enable agile C4ISR, extreme performance and SWaP, and trusted in any environment. To learn more, visit cubic.com/asc2020.

Datamir - Silver
Click HERE to schedule your appointment
First Alert, Datamir's product for the public sector, is the leading AI platform for real-time event detection using Publishably Available Information (PAI). Public sector organizations across the globe rely on First Alert to deliver breaking news alerts on emergency events, enabling the fastest response to public safety incidents.

DynCorp International - Gold
Click HERE to schedule your appointment
DynCorp International, a leading global aviation and logistics services provider, delivers tailored, full-spectrum solutions. From VIP flights at Andrews, test assets at Navy China Lake/Pax River, to aerial firefighting in California, Aviation Command and Control operations and maintenance, or War Readiness Material management in USAGFORT, our pilots, maintainers, and logistics teams tackle the most demanding requirements at home and abroad. To learn more, please visit us at www.dyn-inf.com.

Eclipse - Silver
Click HERE to schedule your appointment
Eclipse offers the most comprehensive device security platform for the armed services, government agencies and the defense industrial base. From laptops to network equipment to servers in data centers, we protect the devices you rely on all the way down to the firmware level. Designed for tough DoD environments, the Eclipsium platform provides security capabilities ranging from basic device health and patching at scale to protection from the most persistent and stealthiest threats.

Elbit America - Bronze
Elbit America, headquartered in Fort Worth, Texas, is a leading provider of high-performance products, systems solutions, and support services focusing on the defense, homeland security, law enforcement, commercial aviation, and medical instrumentation markets. Elbit America is dedicated to supporting those who contribute daily to the safety and security of the United States. www.ElbitAmerica.com

FLIR Systems - Silver
Click HERE to schedule your appointment
FLIR's Government & Defense Business has been providing advanced, effective and innovative technology and systems to the U.S. government and its allies for more than 40 years. FLIR’s products are at the heart of the world’s most pressing military, defense and public safety challenges with a singular mission of saving lives and livelihoods. We deliver intelligent sensing and detection products and integrated platform solutions that enable critical decisions and successful mission outcomes.

Fortem Technologies - Bronze
Click HERE to schedule your appointment
Fortem Technologies provides total airspace security and defense for an autonomous world, protecting venues, infrastructure, sites, cities and regions from the ground up. Fortem digitizes every environment to detect, classify and provide threat assessment for all ground and airborne objects, maximizing situational awareness and ensuring appropriate integrated responses better than any system in the world.

General Atomics - Platinum

GEO Aviation - Gold
GE Aviation, an operating unit of GE (NYSE: GE), is a world-leading provider of jet and turboprop engines, components, integrated digital, avionics, electrical power and mechanical systems for commercial, military, business and general aviation aircraft. GE Aviation has a global service network to support these offerings and is part of the world’s Digital Industrial Company with software-defined machines and solutions that are connected, responsive and predictive.

General Dynamics Mission Systems - Platinum
Click HERE to schedule your appointment
General Dynamics Mission Systems provides mission critical solutions to those who lead, serve and protect the world we live in. We are a technology integrator and original equipment manufacturer with deep domain expertise in ground, sea, air, space and cyber. Our technology and products are often built into platforms and integrated systems to make them smarter.

Gulfstream - Silver
Click HERE to schedule your appointment
Gulfstream Aerospace Corp. designs, develops, manufactures, markets, services and supports the world's most technologically advanced business jets. Gulfstream has produced more than 2,400 aircraft for customers around the world since 1958. The company product line offers an exceptional combination of price, performance and value-added customer preferences in each segment of the mid-to-large-cabin business-jet market.

Honeywell - Bronze
Honeywell Aerospace products and services are found on virtually every commercial, defense and space aircraft around the world. Developing innovative solutions for more fuel-efficient automobiles and airplanes, more direct and on-time flights, safer flying and runway traffic, along with aircraft engines, cockpit and cabin electronics, wireless connectivity services, logistics, and more. Learn more at aerospace.honeywell.com.
Our technologies help ensure the United States and its allies have the advantage on every mission. No matter the domain – air, space or cyber – we always rise to the challenge.

Innovation where it counts.

baesystems.com/AFA
LIST OF EXHIBITORS continued

IAI North America - Silver
Click HERE to schedule your appointment
IAI North America is the U.S. subsidiary of Israel Aerospace Industries, Israel’s largest aerospace and defense company. IAI is a globally recognized technology and innovation leader, specializing in developing and manufacturing advanced, state-of-the-art systems for air, space, land, cyber and homeland security.

KHIOMAC - Bronze
Click HERE to schedule your appointment
KHIOMAC is a Veteran Owned Small Business with over 300 employees providing high-end engineering, manufacturing, and sustainment services to the USAF and all US Military Services plus many commercial Customers. We provide complete technical and manufacturing solutions to challenging problems on legacy systems, including fixed and rotary wing aircraft. We thrive on developing innovative solutions through the application of technology. Our Customers do noble work; we help enable their success.

L3 Harris - Platinum
L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers’ mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

Leidos - Gold
Click HERE to schedule your appointment
Leidos is a Fortune 500® information technology, engineering, and science solutions and services leader working to solve the world's toughest challenges in the defense, intelligence, homeland security, civil, and health markets. The company's more than 25,500 employees support vital missions for government and commercial customers. Leidos' employee team uses its knowledge and experience to deliver mission-critical outcomes that create progress and value for our customers and our people.

Lockheed Martin - Platinum
Headquartered in Bethesda, Maryland, Lockheed Martin is a global security and aerospace company that employs more than 110,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services.

Martin-Baker Aircraft Co. Ltd. - Bronze
Martin-Baker is the world’s longest established and most experienced manufacturer of ejection seats & related equipment to safeguard the aviator throughout the escape, survival, location & recovery phases. Martin-Baker has headquarters in Denham (England) as well as 2 facilities in the United States & locations in France, Italy & Australia. Backed by over 70 years of experience, Martin-Baker has saved over 7,600 aircrew lives to date from 93 Air Forces around the World.

Marvin Test Solutions - Gold
Click HERE to schedule your appointment
Welcome to Marvin Test Solutions! We Make Test Easy™ from the flightline to the depot and are exploring new and exciting analytics. Schedule a meeting regarding our test innovations for aircraft armament systems, launchers, pylons, bomb racks, and precision munitions. We have a variety of initiatives underway to keep the cyber-secure MTS-3000A SmartCam™ Universal 0-Level Armament Systems Test Set the most capable hand-held flightline armament test solution available for 4th and 5th Gen aircraft.

MBDA - Silver
Click HERE to schedule your appointment
With an annual turnover exceeding 3 billion, a forward order book of over 13 billion, and over 70 customers worldwide, MBDA is a world leading, global missile systems company. MBDA currently has 45 missile system and countermeasure programs in operational service and has proven its ability as prime contractor to head major multi-national projects. MBDA is jointly owned by BAE SYSTEMS (37.5%), EADS (37.5%) and FINMECCANICA (25%).

Meggitt Defense Systems - Bronze
Meggitt specializes in the design, manufacture, integration and operation of ammunition handling systems, thermal management systems and components including fans, pumps and compressors used to support armed forces and defense agencies worldwide.

Mercury Systems - Gold
Mercury builds electronics for Radar, EW, avionics, munitions and C2 applications. Featuring built-in security and made in DMEA-certified facilities, our solutions include: • Secure servers for ground stations & UAVs • Adaptive Radar and cognitive EW capabilities • Safety-certifiable avionics and mission computing Mercury supports F-35, B1B, F-15, Gorgon Stare, Global Hawk and other programs. We leverage commercial technologies and GSAs to continuously deliver new capabilities to our Airmen.

MFPS, Inc. - Bronze
MFPS, Inc. is a Master Supplier of Micro Focus’ best-in-class portfolio of enterprise-grade scalable software solutions to the U.S. Government, its partners, and system integrators. We are an independent, 100% U.S.-based, employee and owned company. MFPS, Inc. is customer-centric, government compliant and purpose built to fulfill, support and deliver Micro Focus government solutions to the U.S. Federal Government.

MongoDB - Bronze
Click HERE to schedule your appointment
MongoDB is the leading general-purpose database for new modern applications that is designed to help developers unleash the power of their data in the software applications they build. Headquartered in New York, MongoDB’s Public Sector Team has customers leveraging its commercial license across all branches of the DoD, Intelligence Community, Federal Civilian, and SLED. MongoDB is the only Non-Relational/NoSQL database with a DISA STIG and is available on PlatformOne today.

NextEra Energy - Gold
Click HERE to schedule your appointment
NextEra Energy is a leading clean energy company that owns Florida Power & Light Company and Gulf Power Company, which together serve nearly 5.5 million electricity customer accounts in Florida. NextEra Energy also owns NextEra Energy Resources, the world’s largest generator of renewable energy from the wind and sun and a world leader in battery storage. A Fortune 200 company, NextEra Energy is ranked No. 1 in its industry on Fortune’s 2020 list of “World’s Most Admired Companies.

Northrop Grumman - Platinum
Northrop Grumman solves the toughest problems in space, aeronautics, defense and cyberspace to meet the ever evolving needs of our customers worldwide. Our 96,000 employees define possible every day using science, technology and engineering to create and deliver advanced systems, products and services.

Parsons - Bronze
Click HERE to schedule your appointment
Parsons (NYSE: PSN) is a leading technology and construction company with expertise across all the sectors we serve including government, defense and infrastructure. With a proven digital framework, we deliver connected, smart, secure solutions for our clients to help them operate in today’s complex world.

Persistent Systems, LLC - Silver
Click HERE to schedule your appointment
For more than a decade, Persistent Systems offers a secure and scalable mobile networking capability based on its cutting-edge Wave Relay MANTET Technology. Persistent’s products provide a total solution consisting of voice, video, and situational awareness to mobile users with no reliance on fixed infrastructure.

Phoenix Spark - Bronze
Click HERE to schedule your appointment
Travis Phoenix Spark sets out to be the leader in bridging the gap between the operator and agile organizations who are motivated to rapidly develop capabilities the Warfighter deserves. We’re a grassroots innovation program whose mission is to bring tomorrow’s tools to our Airman, better leaders. PACE was first established in 2015 with the charge to develop Air Force personnel with a professionalism mindset, character and core values to enhance the effectiveness of organizations across the Air Force.

The Profession of Arms Center of Excellence - Bronze
Click HERE to schedule your appointment
As part of the Tri C Eaker Center For Professional Development at Air University, the Profession of Arms Center of Excellence, PACEx, at the Air Force develop better people, better Airmen, better leaders. PACE was first established in 2015 with the charge to develop Air Force personnel with a professionalism mindset, character and core values to enhance the effectiveness of organizations across the Air Force.

Pratt & Whitney - Gold
Pratt & Whitney, a division of Raytheon Technologies Corp., is a world leader in the design, manufacture and service of aircraft engines and auxiliary power units. Our military engines power tactical, strategic and mobility aircraft such as the F-15 Eagle, F-16 Fighting Falcon, F-22 Raptor and F-35 Lightning II, as well as the B-52 Stratofortress, C-17 Globemaster III, and KC-46 Pegasus.

President - Bronze
Click HERE to schedule your appointment
At Persidio, we think, architect, implement and support the practical reality of IT every day. We strive to provide the highest level of customer support to our customers. As one of the largest solutions providers in the U.S., we combine experience and stability with federal expertise and service, so you can rest assured we’ll be there to help you serve your agencies mission.

Raytheon Technologies - Gold
Raytheon Technologies Corporation is an aerospace and defense company that provides advanced systems and services for commercial, military and government customers worldwide. The company, formed in 2020 through the combination of Raytheon Company and the United Technologies Corporation aerospace businesses, is headquartered in Waltham, Massachusetts.

Rolls-Royce - Gold
Rolls-Royce is a leading engine maker for military aircraft and the second largest provider of defense aero-engine products and services globally. We design, engineer, manufacture and service propulsion systems at our primary US facilities in Indianapolis. Rolls-Royce is the Platinum sponsor of AFA Aerospace Education programs and proud to sponsor the AFA National Teacher of the Year.

Saab - Bronze
Click HERE to schedule your appointment
Saab Inc. provides solutions and technology that are at the core of defense and homeland security. We are an agile and responsive company that delivers innovative, swift and highly effective capabilities giving you the edge in the battlepace and the budget space. Saab Inc. has approximately 700 US employees working in 4 divisions: Support & Services, Training & Simulation, Sensor Systems, Saab Barracuda. We are also standing up a production facility in West Lafayette, IN for the T-7A Red Hawk.

SAIC - Gold
SAIC® is a premier Fortune 500® information technology, engineering, and science solutions and services leader. We hug leadership with innovation to inspire a bottom-up culture of innovation. Spark creates unique opportunities for external partners to work directly with military operators on interesting problems and allows for the fielding of rapid solutions. Join the revolution!

Southwest Air Fire - Silver
Click HERE to schedule your appointment
Southwest Air Fire is a leader in providing fire and emergency response services for government and commercial customers. Southwest Air Fire provides a full range of services to protect our nation’s infrastructure.

Stinger ICS - Gold
Stinger ICS develops, produces and supports the Stinger® Man-Portable Air-Defense System (MPADS), a lightweight, air-defense system that provides comprehensive, effective air defense at the squad level. The Stinger system is fielded by U.S. armed forces, military forces around the world and by international customers.

Strongpoint Technoloe - Silver
Click HERE to schedule your appointment
Strongpoint Technologies is a high-end cyber security service provider in Silicon Valley. We bring a unique perspective to our clients by coupling the ability to design, develop and capture solutions to real-world cyber threats with our industry leading tools and services.

The Profession of Arms Center of Excellence - Silver
Click HERE to schedule your appointment
As part of the Tri C Eaker Center For Professional Development at Air University, the Profession of Arms Center of Excellence, PACEx, at the Air Force develop better people, better Airmen, better leaders. PACE was first established in 2015 with the charge to develop Air Force personnel with a professionalism mindset, character and core values to enhance the effectiveness of organizations across the Air Force.

U.S. Air Force - Silver
Click HERE to schedule your appointment
The U.S. Air Force is one of the world’s premier military forces, driven by a steadfast commitment to excellence, innovation and unparalleled capability to deliver decisive airpower and cyberspace effects for the nation. As the most lethal, agile, responsive, relevant and resilient airpower force in history, the Air Force is leading the way to the future, and the future of warfighting.

Ventura - Silver
Click HERE to schedule your appointment
Ventura is a small, family owned business that is proud to be a long-standing exhibitor at AFA 2020. Ventura manufactures the world’s only portable support helicopter multi-purpose hoist system. Ventura also offers support and training to our customers.

Virgin Hyperloop - Silver
Click HERE to schedule your appointment
Virgin Hyperloop is a transport technology that is capable of transporting people and products at almost 1,000 miles per hour. The Hyperloop system is designed to reduce travel time and provide new opportunities for business development and economic growth.

Zurich - Silver
Click HERE to schedule your appointment
Zurich is a globally active natural perils specialist. We provide insurance products and services for a broad range of clients worldwide. Zurich North America focuses on two core business areas: Commercial Risk and Personal Risk. Zurich is a leading insurance provider in the U.S. and the tenth largest global insurer.
TRUSTED PARTNER OF THE U.S. AIR FORCE.
SOLVING THE TOUGHEST DEFENSE AND CYBER SECURITY CHALLENGES FOR OVER 60 YEARS.

PLATFORMS: SMARTER MISSIONS: SMARTER

©2020 General Dynamics. All rights reserved.
LIST OF EXHIBITORS continued

Salesforce - Silver
Click HERE to schedule your appointment
Salesforce transforms the way departments, agencies & their community of contractors meet the unique demands of today's constituent & more effectively deliver on their mission. With the Customer 360 for Government & the FedRAMP-authorized Salesforce Government Cloud, stakeholders can use the mobile, self-service tools they need to connect data, process & people while also reducing the risk, cost & complexity of traditional IT to rapidly deploy solutions with a multi-tenant cloud infrastructure.

Secretary of the Air Force Office of Small Business (SAF/SB) - Bronze
Click HERE to schedule your appointment
The Secretary of the Air Force Office of Small Business Programs (SAF/SB) mission is to fly, fight and win in air, space and cyberspace. Our objective is to maximize small business opportunities within the Department of the Air Force acquisitions by promoting innovation and efficiencies, fostering competition, and by expanding the defense industrial base.

Sierra Nevada Corporation - Silver
Click HERE to schedule your appointment
Sierra Nevada Corporation (SNC) is a trusted leader in solving the world’s toughest challenges through best-of-breed, open architecture engineering in Space Systems, Commercial Solutions, and National Security and Defense. For nearly 60 years, SNC has delivered state-of-the-art civil, military and commercial solutions to customers worldwide. SNC is a Tier One Superior Supplier for the U.S. Air Force and is the only aerospace and defense firm selected as a 2020 US Best Managed Company.

Spirit AeroSystems Inc - Silver
Click HERE to schedule your appointment
Spirit AeroSystems designs and builds aerostructures for both commercial and defense customers. With headquarters in Wichita, Kansas, Spirit operates sites in the U.S., U.K., France and Malaysia. The company’s core products include fuselages, pylons, nacelles and wing components for the world’s premier aircraft. Spirit AeroSystems focuses on affordable, innovative composite and aluminum manufacturing solutions to support customers around the globe.

Tactical Air Support, Inc. - Bronze
Click HERE to schedule your appointment
Tactical Air Support, Inc. (TaAS) specializes in advanced tactical air training support with a cadre of former fighter weapons school and operational commanders, instructors and test pilots. We provide the benefits of a cost-effective commercial center of excellence. TaAS mirrors the mission areas of a fighter weapons school. Our operationally current instructor cadre, provides advanced flight training, subject matter expertise, tactics development & evaluation, and academic training.

Thinklogical, A Belden Brand - Bronze
Click HERE to schedule your appointment
Multiple Classifications. One System. Thinklogical delivers an innovative and resilient command and control infrastructure certified to manage multiple classified networks through a single system, enabling real-time collaboration and enhanced mission flexibility. True role-based access to multi-domain sensor video and data generates instant situational awareness leading to faster decisions. Made in USA. Common Criteria EAL4, NATO NIAPC, TEMPEST SDIP 27 Level B and U.S. DoD DISA JITC UC APL 2013.

The Thomas N. Barnes Center - Bronze
Click HERE to schedule your appointment
Air Force Enlisted Professional Military Education (EPME) is created and provided through the Thomas N. Barnes Center for Enlisted Education, named after the service's fourth Chief Master Sergeant of the Air Force, Thomas N. Barnes, the first African-American to attain the highest enlisted position in any branch of the U.S. Armed Forces.

Top Aces - Bronze
Click HERE to schedule your appointment
Top Aces provides Contracted Air Services with the world’s largest privately-owned, operational fleet of advanced fighter aircraft. With a 15-year track record of over 80,000 accident-free flight hours, our highly experienced veteran pilots and Fighter Weapons Instructors are trusted by the world’s leading air forces to deliver safe and highly professional air combat training solutions. When it comes to training the next generation of combat leaders, Top Aces has the experience that matters.

TT Electronics - Silver
Click HERE to schedule your appointment
TT Electronics is a global provider of engineered electronics for performance-critical applications, with a portfolio of products and services for regulated markets in harsh environments. The company is a trusted partner to some of the world’s leading manufacturers in the aerospace & defense, medical and industrial sectors. Products designed and manufactured include a wide range of electronics for power management, sensing, and connectivity.

USAA - Gold
Click HERE to schedule your appointment
For almost 100 years, USAA has proudly served the financial needs of the military and their families. With USAA, you’re more than a member, you’re part of the family we serve. Learn more at usaa.com or call 800-531-USAA.

Waldorf University - Bronze
Click HERE to schedule your appointment
Waldorf University offers education to military members, veterans and their families in an effort to help them succeed in their career goals. Our faculty and staff are honored to provide academic excellence to all Military Members. Waldorf is a select school, that is a member of the Air University Associate-to-Baccalaureate Cooperative (AU-ABC) Program. As a Category I School, Waldorf can transfer in 60 semester hours from all of the CCAF Associate Degrees making a Bachelors degree within reach.

Thank You for Joining Us #vASC2020
ENABLING ALL-DOMAIN OPERATIONS

Providing Sensing, Connectivity, Data Fusion and Effects to Enable All-Domain Operations

CLICK HERE TO EXPERIENCE L3HARRIS
The Air Force Association is grateful for the generous support from these individuals and companies whose contributions have allowed us to offset a portion of the significant costs we incurred in providing no-cost access to our virtual event to Active Duty military and DoD civilian personnel. These individuals and companies have contributed $150 or more.

Paul W. Bradtmueller, USMC Veteran, Seyer Industries Inc.

Dick Bundy

Brig Gen and Mrs. Julian Cheater

Bill Croom

Mark “Buster” Douglas

SMSgt Robert Fluharty 167th Airlift Wing

Col (Ret.) and Mrs. Mark Hess

Christy Hobson (Col, USAF, Ret.)

Joseph W. Marvin, President, Prime Solutions Group, Inc.

Dr. John D. Matyjas, ACC/ST, Langley AFB, Va

Brig Gen Patrice A. “Betsy Ross” Melançon, Mobilization Assistant to AFIMSC/CC

Moody Support

Paramount Group US Inc.

S10 Consulting, LLC

James “Zagz” Zagorsky

Anonymous

As of September 3, 2020.
BRINGING THE FUTURE FASTER

Unmanned persistent high-value airborne asset protection

- Large weapons and sensor payload capacity
- Air refueling capable for multi-day operations
- Intelligent technology for seamless Manned-Unmanned Teaming (MUM-T) and Autonomous Command and Control
- Enhanced variant of the proven Avenger® aircraft
- AESA Due Regard Radar for self-separation and weather avoidance

ga-asi.com

©2020 GENERAL ATOMICS AERONAUTICAL SYSTEMS, INC.

Leading The Situational Awareness Revolution
<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT / SPEAKER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 a.m. - 5:00 p.m.</td>
<td>Live</td>
</tr>
<tr>
<td>9:00 a.m. - 9:05 a.m.</td>
<td>Live</td>
</tr>
<tr>
<td>9:05 a.m. - 9:15 a.m.</td>
<td></td>
</tr>
<tr>
<td>9:15 a.m. - 9:45 a.m.</td>
<td></td>
</tr>
<tr>
<td>10:00 a.m. - 10:45 a.m.</td>
<td>Live</td>
</tr>
</tbody>
</table>

**ON DEMAND**

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT / SPEAKER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Mitchell Institute Session: The Right Mix of Stand-in/Stand-off Capability</strong></td>
</tr>
<tr>
<td></td>
<td>Gen Timothy M. Ray, Commander, Air Force Global Strike Command and Commander, Air Forces Strategic - Air, U.S. Strategic Command</td>
</tr>
<tr>
<td></td>
<td>Gen Kenneth S. Wilsbach, Commander, Pacific Air Forces; Air Component Commander, U.S. Indo-Pacific Command; and Executive Director, Pacific Air Combat Operations Staff</td>
</tr>
<tr>
<td></td>
<td>Gen Jeffrey L. Harrigian, Commander, U.S. Air Forces in Europe; Commander, U.S. Air Forces Africa; Commander, Allied Air Command; and Director, Joint Air Power Competence Centre</td>
</tr>
</tbody>
</table>

**The New Ops Normal for Families**

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT / SPEAKER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mrs. Sharene Brown, Spouse of the Chief of Staff of the Air Force</td>
</tr>
<tr>
<td></td>
<td>Mrs. Mollie Raymond, Spouse of Chief of Space Operations</td>
</tr>
<tr>
<td></td>
<td>Mr. Rahn Bass, Spouse of the Chief Master Sergeant of the Air Force</td>
</tr>
<tr>
<td></td>
<td>Ms. Rachel Rush, Spouse of the Senior Enlisted Advisor of the Space Force</td>
</tr>
</tbody>
</table>

**Industry Perspectives: How to align private sector with requirements of the USSF**

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT / SPEAKER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tory Bruno, President &amp; CEO, United Launch Alliance</td>
</tr>
<tr>
<td></td>
<td>Dr. Bruce Chesley, Chief Strategist, Boeing Space and Launch</td>
</tr>
<tr>
<td></td>
<td>Blake Larson, Corporate Vice President and President Northrop Grumman Space Systems</td>
</tr>
<tr>
<td></td>
<td>Rick Ambrose, Executive Vice President of Lockheed Martin Space</td>
</tr>
</tbody>
</table>

**Mitchell Institute Session: An Effects-Based Approach to Force Structure Decisions**

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT / SPEAKER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lt Gen David S. Nahom, Deputy Chief of Staff for Plans and Programs</td>
</tr>
<tr>
<td></td>
<td>Lt Gen S. Clinton Hinote, Deputy Chief of Staff for Strategy, Integration and Requirements</td>
</tr>
<tr>
<td></td>
<td>Dr. William LaPlante, Senior Vice President &amp; General Manager, MITRE National Security</td>
</tr>
<tr>
<td></td>
<td>Lt Gen William J. Liquori, Jr., Deputy Chief of Space Operations for Strategy, Plans, Programs, Requirements and Analysis, Office of the Chief of Space Operations</td>
</tr>
</tbody>
</table>

**Acquisition Policies and Practices: Discussion on defense start-ups and the DOD acquisition process with investors**

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT / SPEAKER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lt Gen Duke Z. Richardson, Military Deputy, Office of the Assistant Secretary of the Air Force for Acquisition, Technology, and Logistics</td>
</tr>
<tr>
<td></td>
<td>Trae’ Stephens, Executive Chairman, Anduril Industries &amp; Partner, Founders Fund</td>
</tr>
<tr>
<td></td>
<td>Lt Gen John F. Thompson, Commander, Space and Missile Systems Center</td>
</tr>
</tbody>
</table>

**Preserving Our Competitive Advantage: A Vision for 2030**

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT / SPEAKER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>The Honorable Matthew P. Donovan, Under Secretary of Defense for Personnel and Readiness</td>
</tr>
</tbody>
</table>

**Leading During a Pandemic: What our Airmen Need to Excel**

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT / SPEAKER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CMSgt Tony Whitehead, Senior Enlisted Advisor to the Chief of the National Guard Bureau</td>
</tr>
<tr>
<td></td>
<td>CMSgt Brian P. Kruzelnick, Command Chief Master Sergeant, Air Mobility Command</td>
</tr>
<tr>
<td></td>
<td>CMSgt Nathaniel M. Perry, Jr., Commandant, United States Air Force First Sergeant Academy</td>
</tr>
<tr>
<td></td>
<td>CMSgt Mary Polanco, Senior Enlisted Advisor, Integrated Resilience</td>
</tr>
</tbody>
</table>

**Boeing Company – Sponsored Interview**

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT / SPEAKER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Leanne Caret, President and Chief Executive Officer, Boeing Defense, Space &amp; Security</td>
</tr>
<tr>
<td>TIME</td>
<td>EVENT / SPEAKER</td>
</tr>
<tr>
<td>------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| 9:00 a.m. - 5:00 p.m. | **Exhibit Hall Open**  
Gen John W. "Jay" Raymond, Chief of Space Operations  
Chief Master Sergeant Roger A. Towberman, Senior Enlisted Advisor of the United States Space Force; Command Senior Enlisted Leader of United States Space Command |
| 9:00 a.m. - 9:45 a.m. | **Live**  
Dr. Will Roper, Assistant Secretary of the Air Force for Acquisition, Technology and Logistics |
| 10:00 a.m. - 10:45 a.m. | **Live**  
Gen John W. "Jay" Raymond, Chief of Space Operations  
Chief Master Sergeant Roger A. Towberman, Senior Enlisted Advisor of the United States Space Force; Command Senior Enlisted Leader of United States Space Command |
| 11:00 a.m. - 11:45 a.m. | **ON DEMAND**  
Gen John W. "Jay" Raymond, Chief of Space Operations  
Chief Master Sergeant Roger A. Towberman, Senior Enlisted Advisor of the United States Space Force; Command Senior Enlisted Leader of United States Space Command  
Dr. Will Roper, Assistant Secretary of the Air Force for Acquisition, Technology and Logistics |

**ON DEMAND**

**Distinguished Space Leaders: Fighting and Winning in Space**

- Gen Ralph E. "Ed" Eberhart, USAF (Ret.)
- Gen Joseph W. Ashy, USAF (Ret.)
- Gen Richard B. Myers, USAF (Ret.)
- Gen Charles A. Horner, USAF (Ret.)
- Gen Howell M. Estes III, USAF (Ret.)

**Information Warfare**

- Lt Gen Mary F. O'Brien, Deputy Chief of Staff for Intelligence, Surveillance, Reconnaissance and Cyber Effects Operations  
  Lt. Gen. Timothy D. Haugh, Commander, Sixteenth Air Force  
  Brig Gen Bradley L. Pyburn, Deputy Commander, Sixteenth Air Force  
  Col Lauren Courchaine, Commander, 67th Cyberspace Operations Group  
  Col Lamont Atkins, Commander, 567th Cyberspace Operations Group

**Base of the Future**

- Brig Gen William H. Kale III, Air Force Director of Civil Engineers, Deputy Chief of Staff for Logistics, Engineering & Force Protection  
  Brig Gen Patrice Melançon, Executive Director of the Tyndall Program Management Office  
  Col Lance H. Spencer, USAF (Ret.), Client Executive Vice President, AT&T  
  Eric Silagy, President and CEO of Florida Power and Light

**JADC2**

- Maj Gen Angela M. Cadwell, Director of Cyberspace Operations at NORAD and USNORTHCOM  
  Lt Gen Bradford J. Shwedo, Director for Command, Control, Communications and Computers / Cyber, Chief Information Officer, Joint Staff, J6  
  Lt Gen William J. Bender, USAF (Ret.), Leidos Sr. Vice President – Strategic Accounts & Government Relations  
  Lt Gen B. Chance Saltzman, Deputy Chief of Space Operations, Cyber, and Nuclear, United States Space Force

**Small Business Session**

- Maj Jared Evans, Partner, AFVentures; AFWERX STTR Open Topic Program Manager; Chief, Technology Transition, Air Force Office of Scientific Research (AFOSR)  
- Mr. David L. Sikora, Small Business Acquisition Program Manager, USAF  
- Jim Dedrick, Federal Sales Manager, Activu  
- Maj Gen Roger Teague, USAF (Ret.), CEO, PredaSAR  
- Mr. Adrien Robenhymer, Senior Vice President of Business Development for the Intelligence and Air Force Division, Persistent Systems  
- Col Timothy A. Sejba, Program Executive Officer for Space Development, Space & Missile Systems Center

**Strategic Airlift: The Global Challenge**

- Captain Houston Mills, Jr., UPS Vice President of Flight Operations & Safety  
- Gen Jacqueline D. Van Ovost, Commander, Air Mobility Command

**Fireside Chat**

- Tory Bruno, CEO, United Launch Alliance  
- Lt Gen David D. Thompson, Vice Commander, Headquarters United States Space Force

**Lockheed Martin - Sponsored Interview**

- Greg Ulmer, F-35 Program Vice President and General Manager
<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT / SPEAKER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Wednesday, September 16, 2020</strong></td>
<td></td>
</tr>
<tr>
<td>9:00 a.m. - 5:00 p.m.</td>
<td>Live Exhibit Hall Open</td>
</tr>
<tr>
<td>9:00 a.m. - 9:45 a.m.</td>
<td>Live Chief Master Sergeant of the Air Force JoAnne S. Bass</td>
</tr>
<tr>
<td>10:00 a.m. - 10:45 a.m.</td>
<td>The Honorable Mark T. Esper, Secretary of Defense</td>
</tr>
<tr>
<td>11:00 a.m. - 11:45 a.m.</td>
<td>The New Ops Normal: COVID</td>
</tr>
<tr>
<td></td>
<td>Gen Arnold W. Bunch Jr., Commander, Air Force Materiel Command</td>
</tr>
<tr>
<td></td>
<td>Lt Gen Richard W. Scobee, Chief of Air Force Reserve</td>
</tr>
<tr>
<td></td>
<td>Lt Gen Michael A. Loh, Director, Air National Guard</td>
</tr>
<tr>
<td><strong>ON DEMAND</strong></td>
<td></td>
</tr>
<tr>
<td>Diversity and Racial Challenges in the Air Force</td>
<td>Chief Master Sergeant of the Air Force JoAnne S. Bass</td>
</tr>
<tr>
<td></td>
<td>Gen Larry O. Spencer, USAF, (Ret.), President, Armed Forces Benefit Association/5Star Life Insurance Company</td>
</tr>
<tr>
<td></td>
<td>Gen Lori Robinson, USAF, (Ret.), Former Commander, NORAD and U.S. Northern Command</td>
</tr>
<tr>
<td></td>
<td>The Honorable Shon Manasco, Assistant Secretary for Manpower and Reserve Affairs</td>
</tr>
<tr>
<td>Aerospace Power: Today &amp; Tomorrow</td>
<td>Maj Gen DeAnna M. Burt, Director of Operations and Communications, Headquarters U.S. Space Force</td>
</tr>
<tr>
<td></td>
<td>Maj Gen Charles S. Corcoran, Commander, U.S. Air Force Warfare Center</td>
</tr>
<tr>
<td></td>
<td>Maj Gen John Horner, USAF (Ret.), Vice President, Air &amp; Space Force Accounts, Raytheon Missiles and Defense</td>
</tr>
<tr>
<td></td>
<td>Maj Gen Mike &quot;Boe&quot; Boera, USAF (Ret.), Vice President, Air Force Strategic Account Executive, Leidos</td>
</tr>
<tr>
<td>Culture Collision and Talent Management</td>
<td>Lt Gen Marshall B. &quot;Brad&quot; Webb, Commander, Air Education and Training Command</td>
</tr>
<tr>
<td></td>
<td>Lt Gen Brian T. Kelly, Deputy Chief of Staff for Manpower, Personnel and Services</td>
</tr>
<tr>
<td>The New Digital Experience</td>
<td>Gen Stephen W. &quot;Seve&quot; Wilson, Vice Chief of Staff of the U.S. Air Force</td>
</tr>
<tr>
<td></td>
<td>Maj Gen Kimberly A. Crider, Mobilization Assistant to the Chief of Space Operations, United States Space Force</td>
</tr>
<tr>
<td></td>
<td>Mrs. Lauren Knausenberger, Chief Transformation Officer, SAF/CN</td>
</tr>
<tr>
<td>Mitchell Institute Panel: Is the Air Force Getting Its Fair Share? Transparency in Budgets</td>
<td>Congressman Don Bacon, Nebraska 2nd District</td>
</tr>
<tr>
<td></td>
<td>Gen T. Michael Moseley, USAF (Ret.), 18th Chief of Staff of the Air Force</td>
</tr>
<tr>
<td></td>
<td>Mr. Richard McConn, Chairman, Board of the National Defense Industrial Association</td>
</tr>
<tr>
<td>Lafayette Escadrille – The Movie</td>
<td>Darroch Greer, Writer, Producer, Director</td>
</tr>
<tr>
<td></td>
<td>Paul Glenshaw, Writer, Producer, Director</td>
</tr>
<tr>
<td>CACI - Sponsored Interview</td>
<td>Maj. Gen. Darryl W. Burke (Ret.), Senior Vice President and U.S. Air Force Client Executive</td>
</tr>
<tr>
<td>Elbit America - Sponsored Interview</td>
<td>Bob Edmonds, Vice President, Marketing</td>
</tr>
</tbody>
</table>
Ready for the next generation

A proud USAF partner for more than 70 years

GE is the largest military jet engine manufacturer in the world, poised to support the next generation of US Air Force missions. An unparalleled suite of proven and innovative products stands ready to help the USAF fly, fight, and win ... today and into the future.

F110
A USAF stalwart and the only engine powering the all-new F-15EX Advanced Eagle today.

F404
Reliable and versatile, the F404 for the T-7A Red Hawk integrates the latest in single-engine safety features and digital engine controls.

B-52 ready
The commercially proven CF34-10 and the technologically advanced Passport engines are both ready to meet the mission demands of the B-52 fleet.

Adaptive Cycle Engine
GE’s revolutionary XA100 is a variable cycle engine that expands the envelope of propulsion technology and redefines mission capabilities.
SPEAKER BIOGRAPHIES

To ensure an efficient and enjoyable experience for the reader we’ve listed the following speakers in alphabetical order, regardless of rank.

Rick Ambrose  
Executive Vice President, Lockheed Martin Space  
Rick leads the 21,000 women and men of Lockheed Martin Space, a more than $10 billion enterprise that provides the advanced technology systems that stitch together assets in space and systems on the ground in support of commercial, civil and national security customers.

Gen Joseph W. Ashy, USAF (Ret.)  
Ashy is a retired USAF fighter pilot and general, and his last posting was “triple hatted” as Commander - North American Aerospace Defense Command, Commander – U.S. Space Command, and Commander - Air Force Space Command.

Col Lamont Atkins  
Commander, 567th Cyberspace Operations Group  
In this position, Atkins leads over 800 cyberspace professionals across 54 maneuver elements conducting threat-focused, intelligence driven defensive cyberspace operations to defeat ongoing and imminent threats to strategic national interests in collaboration with domestic and international partners.

Congressman Don Bacon  
Congressman Don Bacon, Nebraska 2nd District  
Congressman Don Bacon served nearly 30 years in the U.S. Air Force, retiring as a brigadier general after having completed two tours as a Base Commander, three tours commanding smaller units, and four deployments across the globe.

The Honorable Barbara Barrett  
Secretary of the Air Force  
Barbara M. Barrett is the 25th Secretary of the Air Force and leads the affairs of the Department of the Air Force, comprising the U.S. Air Force and U.S. Space Force. She is responsible for organizing, training, equipping and providing for the welfare of 685,000 active duty, Guard, Reserve and civilian Airmen and their families.

CMSAF JoAnne S. Bass  
Chief Master Sergeant of the Air Force  
CMSAF Bass represents the highest level of enlisted leadership and provides direction for the enlisted force. She serves as advisor to the Secretary of the Air Force and Chief of Staff on all issues regarding the welfare, morale, proper utilization and progress of the enlisted force. She focuses on culture, developing leaders, readiness and caring for Airmen and families.

Rahn Bass  
Spouse of the Chief Master Sergeant of the Air Force  
Mr. Bass served in the U.S. Army for 27 years and continues to serve in retirement, dedicating his efforts to raise very active daughters while volunteering to help and support service members, their families, and the local community.

Lt Gen William J. Bender, USAF (Ret.)  
Senior Vice President – Strategic Accounts & Government Relations, Leidos  
General Bender currently serves as Senior Vice President - Strategic Account Executives & Government Relations, within the Business Development & Strategy Group at Leidos. General Bender is responsible for strengthening and advancing trusted relationships with customers and advancing strategic initiatives to foster enterprise growth.

Maj Gen Mike “Boe” Boera, USAF (Ret.)  
Vice President, Air Force Strategic Account Executive, Leidos  
Mike “Boe” Boera, a retired Air Force major general with combat operations, command and control and training experiences, is the Vice President, Air Force Strategic Account Executive for Leidos responsible for strengthening and growing Leidos’ trusted relationships with the U.S. Air Force and Space Force.

Gen Charles Q. Brown, Jr.  
Chief of Staff of the Air Force  
As Chief, Gen Brown serves as the senior uniformed Air Force officer responsible for the organization, training and equipping of 685,000 active-duty, Guard, Reserve and civilian forces serving in the United States and overseas.

Sharene Brown  
Spouse of the Chief of Staff of the Air Force  
Mrs. Brown has accompanied her husband on 20 assignments around the globe. Raised in a military family, she is an avid supporter of Reserve families through her service in organizations such as the National Military Family Association, Military Child Education Coalition, and the Air Force Officers’ Spouses’ Club.

Tory Bruno  
President & CEO, United Launch Alliance  
Bruno is ULA’s principal strategic leader, overseeing all business management and operations while transforming the future of space launch, making it more affordable and accessible for our customers, including development of the Vulcan Centaur rocket will make the impossible possible with capabilities that extend the reaches of space exploration for generations to come.
PW800

A LEGENDARY BOMBER. AND THE ENGINE THAT TAKES IT FURTHER.

FOR THE USAF AND THE B-52, THE FUTURE BEGINS NOW.

Pratt & Whitney’s revolutionary PW800 changes the game for the United States Air Force — and creates new possibilities for what its B-52 can accomplish. With unmatched fuel efficiency — and significantly lower maintenance costs — the PW800 will take the B-52’s capabilities to new heights for decades to come.

EXPLORE THE FUTURE OF FLIGHT AT PRATTWHITNEY.COM/B52
Gen Arnold W. Bunch, Jr.
Commander, Air Force Materiel Command
Bunch is responsible for installation and mission support, discovery and development, test and evaluation, life cycle management services and sustainment of virtually every major Air Force weapon system.

Maj Gen DeAnna M. Burt
Director of Operations and Communications, Headquarters U.S. Space Force
The directorate is responsible for organizing, training and equipping United States Space Force units for globally integrated space and cyberspace operations, and for assimilating capabilities into the operational level of war.

Maj Gen Angela M. Cadwell
Director of Cyberspace Operations at NORAD and USNORTHCOM
General Cadwell provides integrated command, control, communications and cyber capabilities to support the full spectrum of assigned missions and to facilitate the vital information sharing and command and control needs of both commands.

Dr. Bruce Chesley
Chief Strategist, Boeing Space and Launch
Chesley leads a team charged with partnership, mergers and acquisition, and market growth strategies for the Space and Launch division, including the International Space Station; the CST-100 Starliner commercial crew vehicle; NASA’s SLS; satellite systems; and the United Launch Alliance.

Gen Kevin P. Chilton, USAF (Ret.)
General Chilton is a former NASA astronaut, commander of Air Force space Command, and U.S. Strategic Command.

Maj Gen Charles S. Corcoran
Commander, U.S. Air Force Warfare Center
Corcoran leads over 11,000 Airmen at 4 Wings and 2 named units across 23 States, conducting warfighter-centric live and virtual operational test and evaluation, tactics development, and advanced training to optimize Air Force capabilities and prepare Airmen for joint, all-domain combat operations.

Col Lauren Courchaine
Commander, 67th Cyberspace Operations Group
Courchaine leads Airmen operating across the cyberspace and intelligence enterprise to plan and execute cyberspace effects operations in support of Combatant Commander’s requirements and Global Information Warfare Campaign plans.

Maj Gen Kimberly A. Crider
Mobilization Assistant to the Chief of Space Operations
In this position, she assists the CSO to organize, train, equip and maintain space forces by contributing to the development of strategy, long-range plans, and concept of operations, as well as the activities ensuring the service builds and employs effective space forces.

Jim Dedrick
Federal Sales Manager, Activu
Mr. Jim Dedrick has been serving DOD as a contractor for over two decades specializing in building and implementing control rooms in SCIFs.

The Honorable Lisa Disbrow
25th UnderSecretary of the Air Force with 32 years of combined military and Federal civilian service.

The Honorable Matthew P. Donovan
Under Secretary of Defense for Personnel and Readiness
Mr. Donovan serves as the principal staff assistant and advisor to the Secretary of Defense for force readiness; force management; health affairs; National Guard and Reserve component affairs; education and training; and military and civilian personnel requirements and management.

Gen Ralph E. "Ed" Eberhart, USAF (Ret.)
Chair of The Armed Forces Benefit Association/5Star Life Insurance Company
Eberhart’s military career spanned 36 years. His assignments included Vice Chief of Staff, Commander of Air Combat Command, Commander Air Force Space Command, Commander NORAD, Commander US Space Command, and Commander United States Northern Command.
Entrust your most sensitive missions to Gulfstream. With more than five decades of high performance, flexible platforms and proven reliability, there is no other choice for civilian and military operations over land and sea.

STRENGTH OF PURPOSE

Gulfstream™
A General Dynamics Company

THE ART OF EXCELLENCE™
The Honorable Mark T. Esper  
Secretary of Defense  
Esper is the 27th Secretary of Defense. The defense secretary oversees the Defense Department and acts as the principal defense policy maker and advisor.

Lt Gen Timothy D. Haugh  
Commander, Sixteenth Air Force  
Haugh is responsible for more than 44,000 personnel conducting worldwide operations. Sixteenth Air Force Airmen deliver multisource intelligence, surveillance and reconnaissance products, applications, capabilities and resources.

Gen Howell M. Estes III, USAF (Ret.)  
Gen Estes is the former commander of NORAD, U.S. Space Command and AF Space Command who now is president of a consulting firm and serves on several boards of directors.

Maj Gen John Horner, USAF (Ret.)  
Vice President, Air & Space Force Accounts, Raytheon Missiles and Defense  
Horner oversees a business of Raytheon Technologies that provides combat, command & control, and sensor power to the U.S. Air Force and Space Force that allows them to dominate their domains and complete direct precision attack, standoff, strike and enabling missions.

Brig Gen William H. Kale III  
Air Force Director of Civil Engineers, Deputy Chief of Staff for Logistics, Engineering & Force Protection  
Kale is responsible for providing policy and oversight for the planning, development, construction, maintenance, utilities and environmental quality of 183 Air Force bases worldwide valued at more than $297 billion.

Gen Jeffrey L. Harrigian  
Commander, U.S. Air Forces in Europe; Commander, U.S. Air Forces Africa; Commander, Allied Air Command; and Director, Joint Air Power Competence Centre  
Harrigian is responsible for the air and missile defense of 29 NATO alliance member nations while commanding U.S. airpower across more than 19 million square miles including 104 countries, and the Arctic, Atlantic and Indian Oceans.

Lt Gen Brian T. Kelly  
Deputy Chief of Staff for Manpower, Personnel and Services  
Kelly serves as the senior Air Force officer responsible for comprehensive plans and policies covering all life cycles of military and civilian personnel management, which includes military and civilian end strength management, education and training, compensation, and resource allocation.

Gen Charles A. Horner, USAF (Ret.)  
Vice President, Air & Space Force Accounts, Raytheon Missiles and Defense  
Horner oversees a business of Raytheon Technologies that provides combat, command & control, and sensor power to the U.S. Air Force and Space Force that allows them to dominate their domains and complete direct precision attack, standoff, strike and enabling missions.

Maj Jared Evans  
Partner, AFVentures; AFWERX STR Open Topic Program Manager; Chief, Technology Transition, Air Force Office of Scientific Research (AFOSR)  
Evans is responsible strategic direction and execution of over $72 million in small business technology investment and leads technology transition efforts for AFOSR’s $510 million portfolio of basic research grants across 36 science and technology areas.

Gen Howell M. Estes III, USAF (Ret.)  
Gen Estes is the former commander of NORAD, U.S. Space Command and AF Space Command who now is president of a consulting firm and serves on several boards of directors.

Maj Gen John Horner, USAF (Ret.)  
Vice President, Air & Space Force Accounts, Raytheon Missiles and Defense  
Horner oversees a business of Raytheon Technologies that provides combat, command & control, and sensor power to the U.S. Air Force and Space Force that allows them to dominate their domains and complete direct precision attack, standoff, strike and enabling missions.

Darroch Greer  
Writer, Producer, Director, The Lafayette Escadrille  
Greer is an award-winning documentary filmmaker and writer with focuses on American and European history and popular culture.

The Honorable Mark T. Esper  
Secretary of Defense  
Esper is the 27th Secretary of Defense. The defense secretary oversees the Defense Department and acts as the principal defense policy maker and advisor.

Lt Gen Timothy D. Haugh  
Commander, Sixteenth Air Force  
Haugh is responsible for more than 44,000 personnel conducting worldwide operations. Sixteenth Air Force Airmen deliver multisource intelligence, surveillance and reconnaissance products, applications, capabilities and resources.

Gen Howell M. Estes III, USAF (Ret.)  
Gen Estes is the former commander of NORAD, U.S. Space Command and AF Space Command who now is president of a consulting firm and serves on several boards of directors.

Maj Gen John Horner, USAF (Ret.)  
Vice President, Air & Space Force Accounts, Raytheon Missiles and Defense  
Horner oversees a business of Raytheon Technologies that provides combat, command & control, and sensor power to the U.S. Air Force and Space Force that allows them to dominate their domains and complete direct precision attack, standoff, strike and enabling missions.

Gen Howell M. Estes III, USAF (Ret.)  
Gen Estes is the former commander of NORAD, U.S. Space Command and AF Space Command who now is president of a consulting firm and serves on several boards of directors.

Maj Gen John Horner, USAF (Ret.)  
Vice President, Air & Space Force Accounts, Raytheon Missiles and Defense  
Horner oversees a business of Raytheon Technologies that provides combat, command & control, and sensor power to the U.S. Air Force and Space Force that allows them to dominate their domains and complete direct precision attack, standoff, strike and enabling missions.

Darroch Greer  
Writer, Producer, Director, The Lafayette Escadrille  
Greer is an award-winning documentary filmmaker and writer with focuses on American and European history and popular culture.
With more than 2,000 veterans in our ranks, we have a unique understanding of your goals. We also frequently collaborate with military and civil defense leaders, whether it’s a wind project that ensures pilot safety, or retrofitting a base with advanced solar energy and battery storage. So, as you look to secure energy independence and power bases of the future, we’re ready to make your next mission a success.

SCHEDULE A TIME TO ATTEND OUR CLEAN ENERGY DISCUSSION.
Innovating for Freedom. Every day.
Rolls-Royce LibertyWorks operates at the forefront of military technology. Everything we do is about meeting the needs of our customer: the U.S. Department of Defense. Based in our Indianapolis facility, the cross-disciplinary teams of LibertyWorks are developing solutions that cover everything from advanced Vertical Takeoff and Landing technology, to Mach 5 flight, to thermal and power management systems for directed energy. We are constantly innovating, solving challenges and creating solutions to meet the DoD’s diverse needs, with proven success in rapid prototyping. Our approach is simple: we provide the capabilities that the US warfighter needs to perform any given mission. Together, we're making the next generation of military systems a reality.

Our expertise includes:
- Hypersonic flight
- Rapid prototyping
- Infrared Suppressor technology
- Vertical lift applications
- Electrification capability
- Advanced technology
The Honorable Shon Manasco
Assistant Secretary for Manpower and Reserve Affairs

Honorable Manasco is the President’s nominee for Under Secretary of the Air Force, bringing over 20 years of private industry experience in executive leadership roles and is currently responsible for the supervision of personnel, manpower and readiness support for the Department of the Air Force.

Richard McConn
Chairman, Board of the National Defense Industrial Association

Mr. McConn chairs NDIA with its memberships of over 1,600 defense corporations and 70,000 members.

Lauren Knausenberger
Chief Transformation Officer, SAF/CN

Lauren Knausenberger joined the U.S. Air Force to drive innovation across the Department of Defense, speed adoption of emerging technologies, and create stronger partnerships between DoD, start-ups, and the venture community.

CMSgt Brian Kruzelnick
Command Chief Master Sergeant, Air Mobility Command

As the commander’s principal senior enlisted advisor, he counsels on the effective employment of 107,000 Total Force Airmen from 100 worldwide locations to support Rapid Global Mobility operations with a fleet of 1,100 aircraft.

Dr. William A. LaPlante
Senior Vice President & General Manager, MITRE National Security

LaPlante is accountable for increasing MITRE’s strategic value across all the corporation’s work encompassing national security.

Blake Larson
Corporate Vice President and President, Northrop Grumman Space Systems

Blake Larson is corporate vice president and president of Northrop Grumman’s Space Systems sector, a space and launch systems provider serving national security, civil and commercial customers.

Lt Gen William J. Liquori, Jr.
Deputy Chief of Space Operations for Strategy, Plans, Programs, Requirements and Analysis, Office of the Chief of Space Operations

Liquori is the Deputy Chief of Space Operations for Strategy, Plans, Programs, Requirements and Analysis. He is responsible for developing strategy, doctrine and policy for our newest service.

Lt Gen Michael A. Loh
Director of the Air National Guard

Loh is responsible for formulating, developing and coordinating all policies, plans and programs affecting more than 105,500 Guard members and civilians in more than 90 wings and 176 geographically separated units across 213 locations throughout the 50 States, the District of Columbia, Puerto Rico, Guam and the Virgin Islands.

Brig Gen Patrice A. Melançon
Executive Director, Tyndall Air Force Base Reconstruction Program Management Office

Tyndall Air Force Base had more than 60 percent of its facilities significantly damaged as a result of Hurricane Michael in October 2018 and is now rebuilding to become a resilient “Base of the Future.”

Captain Houston Mills, Jr.
VP Flight Operations & Safety, UPS Airlines

Captain Mills has Global oversight of and responsibility for UPS Airline Flight Operations, Training, Regulatory Compliance and Airline Safety.

Gen T. Michael Moseley, USAF (Ret.)
18th Chief of Staff of the Air Force

General Moseley is Chairman, Hillwood Aviation Company (a Perot Company) as well as President and Chief Executive Officer of Moseley & Associates, LLC, a world-wide consulting/advising enterprise, focusing on global security matters as well as international relations.

Gen Richard B. Myers, USAF (Ret.)

Myers is a 1965 graduate of Kansas State University with a Bachelor’s degree in mechanical engineering who joined the Air Force through K-State’s ROTC program, returned to his home state and alma mater to serve as its 14th President in April, 2016, after a 40-year career in the Air Force culminating as the 15th Chairman of the Joint Chiefs of Staff.
Thousands of pieces moving as one is impossible.

Until it’s not.
Lt Gen David S. Nahom  
*Deputy Chief of Staff for Plans and Programs*

As the Air Force’s senior programmer, Nahom leads the development, integration, evaluation and analysis of the Air Force Program across the Future Years Defense Plan. He directs and coordinates activities ensuring the Air Force builds and employs effective air, and cyber forces to achieve national defense objectives.

Lt Gen Mary F. O’Brien  
*Deputy Chief of Staff for Intelligence, Surveillance, Reconnaissance, and Cyber Effects Operations*

O’Brien serves as the senior uniformed Air Force officer for intelligence and cyber effects operations, leading a 73,000-person enterprise and a portfolio valued at $72 billion across the force.

CMSgt Nathaniel M. Perry, Jr.  
*Commandant, United States Air Force First Sergeant Academy*

Chief Perry serves as the principle advisor to the Chief Master Sergeant of the Air Force, the First Sergeant Special Duty Manager, and the Ira C. Eaker Center for Leadership Development on the development, education and training of over 700 newly selected first sergeants per year.

CMSgt Mary Polanco  
*Senior Enlisted Advisor, Integrated Resilience*

Polanco is the Senior Enlisted Advisor to the Air Force Resilience Directorate. She is the principal enlisted advisor to the Director, Air Force Resilience on all matters relating to the strategic planning, research and development, and implementation of Air Force resiliency programs to optimize Airman Performance.

Brig Gen Bradley L. Pyburn  
*Deputy Commander, Sixteenth Air Force*

Pyburn serves as the Component Numbered Air Force’s Deputy Commander and leads the Operational Headquarters in overseeing the convergence of Information Warfare capabilities across the range of military operations in support of combatant commanders and air components worldwide.

Gen Timothy M. Ray  
*Commander, Air Force Global Strike Command (AFGSC) and Commander, Air Forces Strategic - Air, U.S. Strategic Command (USSTRATCOM)*

Ray is responsible for the more than 33,700 professionals operating and supporting our nation’s ICBMs and bomber aircraft: UH-1N helicopters, E-4B National Airborne Operations Center aircraft, and the U.S. Air Force NCS weapons system.

Gen John W. “Jay” Raymond  
*Chief of Space Operations*

Raymond leads the organizing, training, equipping and maintaining of mission-ready space forces and capabilities for U.S. Space Command and other combatant commands around the world.

Mollie Raymond  
*Spouse of Chief of Space Operations*

Mollie has accompanied her husband on 22 assignments around the globe. As the First Lady of the Space Force, her focus is to raise awareness on the importance of the USSF, revitalize the sponsor program, and to build genuine connections with Space Professionals and their families.

Adrien Robenhymer  
*Senior Vice President of Business Development, Intelligence & Air Force Division, Persistent Systems*

As Senior VP, Mr. Robenhymer oversees multiple programs and executes the technical insertion of MANET capabilities into worldwide communications architectures.

Gen Lori Robinson, USAF (Ret.)  
*Former Commander, NORAD and U.S. Northern Command*

Honored to support and defend the Constitution for 37 years.

Dr. Will Roper  
*Assistant Secretary of the Air Force for Acquisition, Technology and Logistics*

Roper is responsible for and oversees Air Force research, development and acquisition activities totaling an annual budget in excess of $60 billion for more than 550 acquisition programs.
For more than 70 years, CAE has been a simulation technology leader and world-class training and mission systems integrator. We have partnered with U.S., joint, and allied defense forces to provide full-spectrum training solutions – from individual and crew training right through to collective, networked, and distributed mission training.

Learn more about some of our new digital technologies and innovations such as the CAE Trax Academy, CAE Rise, and CAE Medallion MR e-Series visual system at AFA’s virtual Air, Space & Cyber conference.
David L. Sikora  
Small Business Acquisition Program Manager  
Mr. Sikora currently is the Air Force Mentor Protégé Program Manager while previously serving as both the DoD and AF SBIR/STTR Program Manager.

Eric Silagy  
President and CEO, Florida Power & Light Company  
Florida Power & Light Company is a subsidiary of NextEra Energy, Inc., and one of the largest investor-owned electric utilities in the nation.

Lt Gen B. Chance Saltzman  
Deputy Chief of Space Operations, Cyber, and Nuclear, United States Space Force  
As the Chief Operations Officer, Lt. Gen. Saltzman has overall responsibility for Intelligence, Operations, Sustainment, Cyber, and Nuclear Operations of the United States Space Force.

Lt Gen Richard W. Scobee  
Chief of Air Force Reserve, Headquarters U.S. Air Force and Commander, Air Force Reserve Command  
Scobee serves as the principal adviser on reserve matters to the Secretary of the Air Force and Air Force Chief of Staff and has full responsibility of organizing, training, and equipping over 70,000 Reserve Citizen Airmen around the world.

Col Lance H. Spencer, USAF (Ret.)  
Client Executive Vice President, AT&T  
Spencer leads the AT&T business for the Air Force and Space Force, Office of the Secretary of Defense, Combatant Commands and Defense Agencies. He is responsible for identifying, aligning and developing AT&T and partner capabilities to meet Air Force, DoD, Joint and Coalition global operating needs.

Col Timothy A. Sejba  
Program Executive Officer for Space Development, Space & Missile Systems Center  
Sejba is responsible for establishing opportunities for continuous, iterative, and innovative capability improvements through rapid prototyping, experiments, demonstrations and technology maturation for over 30 programs/projects valued in excess of $14.9 billion.

Maj Gen John Shaw  
Combined Force Space Component Commander, U.S. Space Command, and Commander, Space Operations Command, U.S. Space Force  
Shaw leads more than 17,000 personnel with a mission to plan, integrate, conduct and assess global space operations to deliver combat relevant space capabilities to Combatant Commanders, Coalition partners, the joint force and the nation.

Maj Gen Roger Teague, USAF (Ret.)  
CEO, PredaSAR Corporation  
As CEO, Teague leads the overall strategic direction and operations of the company which is fielding a constellation of low earth orbiting satellites to provide responsive, high-resolution synthetic aperture radar products and services for global commercial and government users.

Rachel Rush  
Spouse of the Senior Enlisted Advisor of the Space Force  
Rush is a Psychiatric Registered Nurse with specialized experience in adult, adolescent, forensic and trauma inpatient settings. She is committed to caring for U.S. Space Force personnel and their families during this historic transition into a new branch of service.

Gen Larry O. Spencer, USAF (Ret.)  
President, Armed Forces Benefit Association/5Star Life Insurance Company  
37th Vice Chief of Staff of the Air Force.

Trae’ Stephens  
Executive Chairman / Partner, Anduril Industries / Founders Fund  
Trae’ Stephens is the Co-Founder and Executive Chairman of Anduril Industries, a defense technology company focused on autonomous systems and a Partner at Founders Fund, where he focuses on startups operating in the government space.

Lt Gen Bradford J. Shwedo  
Director for Command, Control, Communications, and Computers (C4)/Cyber, Chief Information Officer  
Shwedo develops C4 capabilities; conducts analysis and assessments; provides Joint and Combined Force C4 guidance; and evaluates C4 requirements plans, programs, and strategies for the Chairman of the Joint Chiefs of Staff.
We are Collins Aerospace. With our customers, we chart new journeys and reunite families. We protect nations and save lives. We fuse intelligence and partnership to tackle the toughest challenges in our industry. And, every day, we imagine ways to make the skies and spaces we touch smarter, safer and more amazing than ever.

AEROSPACE REDEFINED

collinsaerospace.com
© 2020 Collins Aerospace

DynCorp International, a leading global aviation and logistics services provider, delivers tailored, full-spectrum solutions.

To learn more, please view our AFA Video and DI Press Releases.
Lt Gen David D. Thompson  
Vice Commander, Headquarters United States Space Force

Thompson is Vice Commander, Headquarters United States Space Force. He is responsible to the Chief of Space Operations for the U.S. Space Force in carrying out space missions and integrating space policy, guidance, coordination and synchronization of space-related activities and issue resolution.

Lt Gen John F. Thompson  
Commander, Space and Missile Systems Center

He is responsible for approximately 6,000 employees nationwide and an annual budget of $9 billion. As the Air Force Program Executive Officer for Space, General Thompson manages the research, design, development, acquisition and sustainment of satellites and the associated command and control systems.

CMSgt Roger A. Towberman  
Senior Enlisted Advisor of the United States Space Force

Chief Towberman represents the highest enlisted level of leadership, and as such, provides direction for the enlisted force and represents their interests, as appropriate, to the American public and to those in all levels of government.

Gen Jacqueline D. Van Ovost  
Commander, Air Mobility Command

The command is responsible for the U.S. Air Force’s air mobility strategic transportation mission with a fleet of 1,074 aircraft. AMC provides rapid, flexible and global reach for America, running 10 major air installations in the U.S. and nearly 100 locations worldwide.

Lt Gen Marshall B. “Brad” Webb  
Commander, Air Education and Training Command

Webb is responsible for the recruitment, training, education and Force Development of all Air and Space Force personnel, training more than 293,000 students per year with approximately 60,000 active-duty, Reserve, Guard, civilian and contractor personnel; the command includes Air Force Recruiting Service, two numbered Air Forces and Air University.

CMSgt Tony Whitehead  
Senior Enlisted Advisor to the Chief of the National Guard Bureau

Whitehead is principal military advisor on all National Guard enlisted matters affecting training, utilization, health of the force and enlisted professional development.

Gen Kenneth S. Wilsbach  
Commander, Pacific Air Forces; Air Component Commander, U.S. Indo-Pacific Command; Executive Director, Pacific Air Combat Operations Staff

PACAF is responsible for Air Force activities spread over half the globe in a command that supports more than 46,000 Airmen serving principally in Japan, South Korea, Hawaii, Alaska and Guam.

Gen Stephen W. “Seve” Wilson  
Vice Chief of Staff of the U.S. Air Force

As Vice Chief, he presides over the Air Staff and serves as a member of the Joint Chiefs of Staff Requirements Oversight Council and Deputy Advisory Working Group. He assists the Chief of Staff with organizing, training, and equipping of 685,000 active-duty, Guard, Reserve and civilian forces serving in the United States and overseas.
When warfighters talk...
...we listen and deliver

We Make Test Easy™ with Innovative Solutions

Test Solutions
Advanced flightline, backshop, and depot level armament and munition test solutions

Armament Systems
One of the largest manufacturers of 4th and 5th generation AME in the world

© 2020 The Marvin Group. All rights reserved. Product and trade names are property of their respective companies.

Your Mission Fuels
Our Innovation

Today’s great power competition demands rapid application of ISR, autonomy, and C2 for an unprecedented technological advantage.

At Leidos, we’re adept at accelerating the development of resilient, secure solutions. Our capabilities provide the warfighter with superior performance and protection, enabling informed decision making with unrivaled precision and speed.

Our innovations are built for your missions. Find out how we’re helping every branch of the military achieve multi-domain dominance and protect what’s most important.
September 14, 15 & 16

Daily highlights and analysis will be available nightly on AirForceMag.com, on AFA.org, and on the AFA YouTube channel.

Made Possible by LOCKHEED MARTIN
The Air Force Association expresses its thanks to the following companies for their sponsorship of the 2020 Virtual Air, Space & Cyber Conference at the generous levels indicated. It is through their support that the 2020 Virtual Air, Space & Cyber Conference is possible.

The Air Force Association expresses its thanks to the following companies for their additional support through individual sponsorships.

As of September 14, 2020. For updated information, please refer to afa.org
MEMORIAL SERVICE

We honor the lives, service, and sacrifice of all those we lost in the past year.

### In Memoriam

<table>
<thead>
<tr>
<th>Name</th>
<th>Rank/Retirement</th>
<th>Name</th>
<th>Rank/Retirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>David L. Blankenship</td>
<td></td>
<td>Col Kenneth F. Hite USAF (Ret.)</td>
<td></td>
</tr>
<tr>
<td>Col Stanley J. Bodner USAF (Ret.)</td>
<td></td>
<td>Lt Col Ralph F. Kling USAF (Ret.)</td>
<td></td>
</tr>
<tr>
<td>Capt Brent B. Boller USAF (Ret.)</td>
<td></td>
<td>Clifford Henry “Cliff” Long</td>
<td></td>
</tr>
<tr>
<td>Maj Gen Donald D. Brown USAF (Ret.)</td>
<td></td>
<td>Joseph B. McMullin</td>
<td></td>
</tr>
<tr>
<td>Ronald D. Chathams</td>
<td></td>
<td>Lt Col David Raymond Mets USAF (Ret.)</td>
<td></td>
</tr>
<tr>
<td>SSGt Peter P. Colerico USAF (Ret.)</td>
<td></td>
<td>Lt Col Dennis M. Moran USAF (Ret.)</td>
<td></td>
</tr>
<tr>
<td>Maj Gen George M. Douglas USAF (Ret.)</td>
<td></td>
<td>Col Clyde Owen USAF (Ret.)</td>
<td></td>
</tr>
<tr>
<td>Col Thomas Eisenhuth USAF (Ret.)</td>
<td></td>
<td>Lt Col Clifford L. Pratt USAF (Ret.)</td>
<td></td>
</tr>
<tr>
<td>Louis E. Gerard</td>
<td></td>
<td>Lt Col John F. Ree USAF (Ret.)</td>
<td></td>
</tr>
<tr>
<td>CMSgt Thomas W. Gwaltney USAF (Ret.)</td>
<td></td>
<td>Andrew Rucci</td>
<td></td>
</tr>
<tr>
<td>1st Lt Fiske Hanley USAF (Ret.)</td>
<td></td>
<td>TSgt Ralph M. Stearns USAF (Ret.)</td>
<td></td>
</tr>
<tr>
<td>Dan C. Hendrickson</td>
<td></td>
<td>CMSgt Joseph Taylor USAF (Ret.)</td>
<td></td>
</tr>
<tr>
<td>SFC James C. Higginbotham USAF (Ret.)</td>
<td></td>
<td>Lt Col Leon B. &quot;Buck&quot; Webber USAF (Ret.)</td>
<td></td>
</tr>
</tbody>
</table>

As of August 30, 2020.
OUTSTANDING AIRMEN OF THE YEAR
AND NOTABLE AWARDS
OUTSTANDING AIRMEN OF THE YEAR

SMSGT WILFRED A. MORGAN
Facility Systems Superintendent
5th Civil Engineer Squadron, Minot Air Force Base, North Dakota
Home of Record: Washington, D.C.

Senior Master Sergeant Wilfred Morgan led 58 engineers in the maintenance of a 525-mile utility grid, overcoming a 34% manning deficit to complete 4,000 repairs and 7,000 hours of preventive maintenance, ultimately driving an astounding 97% completion rate. He strategized the maintenance of a $53 million airfield lighting system, creating an innovative anti-icing solution for 558 taxiway lights that saved the Air Force $11 million in replacement costs and protected 1,200 annual B-52 Stratofortress Bomber sorties. Additionally, he oversaw the command’s largest lightning protection system program, certifying 165 protection level-one assets, and developed a nuclear gate grounding program that was benchmarked across the command. Finally, he superbly led his team in a near flawless Nuclear Surety Inspection, clinching “Superior Team” honors.

SMSGT CHRISTOPHER A. HANEY
Assistant Squadron Superintendent
1st Maintenance Squadron, Joint Base Langley-Eustis, Virginia
Home of Record: Colorado Springs, Colorado

Senior Master Sergeant Christopher A. Haney led multiple maintenance teams to correct the control and stability concerns across 28 F-16 Fighting Falcon fighter aircraft ejection systems. He gathered personnel and equipment to perform around-the-clock inspections ensuring airworthiness across the fleet at Spangdahlem Air Base, Germany, in under 72 hours. He helped return the United States Air Forces Europe and Air Forces Africa’s sole Suppression of Enemy Air Defenses mission set to combat-ready status. Additionally, his direct engagement synchronized maintenance efforts of 459 Airmen and civilians from 14 Air Force Specialty Codes, propelling the 52nd Fighter Wing to the best F-16 installation in the Air Force. Finally, his ability to harmonize eight flights optimized compliance processes, which drove the squadron’s “Outstanding” 95% quality assurance pass rate, advancing the squadron’s lethality and readiness.
ENABLING ALL-DOMAIN OPERATIONS

From sub-surface to space, we’re developing the modular, open and agile technologies that empower the future of all-domain operations.

mrcy.com/joint-all-domain

FULL-SPECTRUM AIR DOMINANCE

Performance beyond the platform

Combat-proven. Platform-agnostic. Game-changing. Raytheon Technologies’ suite of full-spectrum air dominance solutions is transforming today’s aircraft into tomorrow’s advantage, delivering success across every phase of the mission – from readiness to combat to safe return.
OUTSTANDING AIRMEN OF THE YEAR continued

SMSGT VERNA L. CANNON-GOLEMBOSKI
Manpower and Organization Division Superintendent and Functional Manager
Headquarters Air Force Special Operations Command, Hurlburt Field, Florida
Home of Record: Toledo, Ohio

Senior Master Sergeant Verna Cannon-Golemboski led a team of 48 personnel advising senior leaders on the command’s 19,000 authorizations worth $1.9 billion. Her leadership and expertise were vital in delivering the command’s first-ever 207 member Munitions Squadron, which maximized combat capabilities. She led the command’s Chief Grade Review, resulting in the adjudication of 136 positions and nine upgrades. Additionally, as a subject-matter expert, she assisted in the design of a 17-lesson courseware for her career field, which provided in-depth training for all manpower analysts. Finally, she was hand-selected as one of 15 SNCOs by the Chief Master Sergeant of the Air Force for a Think Tank to develop enlisted progression courses of action to shape the Air Force development plan for 264,000 Airmen.

SMSGT CHRISTOPHER M. RICKS
Security Forces Operations Superintendent
Headquarters Pacific Air Forces A4, Joint Base Pearl Harbor-Hickam, Hawaii
Home of Record: Portsmouth, Virginia

Senior Master Sergeant Christopher M. Ricks directed theater airlift security by deploying 302 Security Forces members to defend 24 airfields, which directly supported the execution of 88 Combatant Commander strategic objectives. He validated the Chairman of the Joint Chiefs of Staff task to transfer the Andersen AFB, Guam, security function from the U.S. Navy to the Air Force. His efforts eliminated a 10-year resource gap by sourcing an additional 138 Security Forces members, allocating $3 million in equipment and an additional $250,000 budget increase, which fueled the theater bomber mission. Additionally, he quarterbacked Eielson AFB’s F-35 bed-down for two fighter squadrons. Finally, he brokered requirements for 41 Security Forces alarm systems worth $400,000 and created a secure nest for 585th generation fighter aircraft worth $3 billion.
**OUTSTANDING AIRMEN OF THE YEAR continued**

**MSGT DOUGLAS K. BROCK**  
Joint Terminal Attack Controller  
124th Air Support Operations Squadron, Boise, Idaho  
Home of Record: Fremont, California

Master Sergeant Douglas Brock was the first Airman from the Idaho Air National Guard to attend and graduate the U.S. Army Ranger School as number one of 348 graduates in April 2019. He was the lead planner and coordinator for two joint major readiness exercises, where his team was critical in the execution of precision strike capability across the battlefield. His devotion to training more than 100 Airmen and supporting thousands of Soldiers with air power led to him earning two Army Achievement Medals. Additionally, he led multinational trainings for the Dutch and Brazilian commandos and ensured 36 U.S. Air Force joint terminal attack controllers were combat ready. Finally, during a 10-day period, his teams’ efforts deconflicted 74 close air support missions from 370 artillery fires, resulting in zero fratricide incidents.

**TSGT YVONNE N. FEBLES-ROSARIO**  
Physical Therapy Flight Chief  
628th Operational Medical Readiness Squadron, Joint Base Charleston, S. Carolina  
Home of Record: Fort Polk, Louisiana

Technical Sergeant Yvonne N. Febles-Rosario directed 6,900 patient visits worth $959,000 in rehabilitation services. She prevented the loss of $27,000 in physical therapy services by organizing the support of five U.S. Navy physical therapy technicians during a manning shortage. Additionally, she provided critical warfighter support to mission critical personnel with a 100% return to duty rate, enabling the success of six deployments and 270 missions. She championed injury-prevention by organizing 49 strength training and ergonomic classes for more than 800 Joint Base Charleston personnel. Finally, she performed above her peers as an additional duty first sergeant and squadron superintendent by advising four commanders, managing hurricane evacuations plans for 95 families and expediting $400,000 in healthcare.
If you or someone you know may benefit from WWP programs and services, please register online at woundedwarriorproject.org/registration or call 888-WWP-ALUM.

Wounded Warrior Project® (WWP) is committed to helping injured veterans achieve their highest ambition. No matter where they are on their roads to recovery, WWP stands ready to serve by offering life-changing programs and services in areas such as mental health, career counseling, and long-term rehabilitative care — because no warrior should ever have to walk alone.

“I DON’T KNOW WHAT IT’S LIKE TO NOT HAVE SUPPORT, BECAUSE WOUNDED WARRIOR PROJECT HAS BEEN THERE FOR ME SINCE DAY ONE.”

— WOUNDED WARRIOR BRYAN WAGNER

Powered by AEROJET Rocketdyne

Mission ready

Advanced solutions to meet the most complex U.S. defense, space, and security missions.

Powered by AGI

Multi-domain engineering software to bring the mission into every phase of the life cycle — engineering, testing, and operations.

agi.com

Powered by AirbusUS.com

Mission ready

AirbusUS.com

DETERMINE FASTER
TSGT JEREMIAH C. CAMPER
Pacific Operations Recruiting Manager
369th Recruiting Squadron, Encino, California
Home of Record: Roanoke, Virginia

Technical Sergeant Jeremiah Camper shipped 109 applicants to basic military training, which was the most New Enlistment Contracts and Entered Active Duty in squadron history earning himself the Air Force Recruiting Service Gold Olympiad award. He is number one of 1200 Enlisted Ascension recruiters and won the coveted Gold Badge for the 369th Recruiting Squadron, recognizing him as the best in the squadron for his dedication to targeting the needs of the force. Additionally, he managed a $260,000 travel budget, analyzed 195 requests and resolved 11 errors ensuring a 100 percent on-time BMT ship rate. Finally, he eclipsed the mission requirement by 84 contracts achieving 297% production, which was conducive to the squadron earning the Air Force Recruiting Service Standards of Excellence award.

TSGT MATTHEW M. O’NEILL
Airfield Weather Services Noncommissioned Officer in Charge
612th Air Base Squadron, Soto Cano Air Base, Republic of Honduras
Home of Record: Valley Stream, New York

Technical Sergeant Matthew M. O’Neill led as the noncommissioned officer in charge of Airfield Weather Services, filling the field grade officer role of Joint Meteorological and Oceanographic Officer for Joint Task Force Bravo. He orchestrated downed aircraft support, providing critical environmental intelligence and 43 warnings to the Joint Force Land and Maritime Component Command, ensuring the recovery of nine personnel. His expertise in Air Assault and Amphibious Reconnaissance support was critical in the success of 14 international exercises and 11 operations. Additionally, he collaborated with 14 units to craft the local Warrior Skills course that fortified 47 Army South tasks, resulting in the certification of 33 personnel. Finally, O’Neill chaired an international conference in which he gained access to 15 sensors and two radars, eliminating a 413,000 square mile weather data void.
Transformational RDT&E solutions that protect people and save lives.

Find out how we’re addressing cyber resilience, hypersonics, workforce development and more at battelle.org/vASC2020.

Image courtesy of DVIDS

©2020 CACI International. All rights reserved. A456_2009

www.caci.com

CARNegie MELLon UNIVERSITY
SOFTWARE ENGINEERING INSTITUTE

SERVES THE NATION AS A FEDERALLY Funded Research and Development Center (F RDC) SPONSORED BY THE U.S. DEPARTMENT OF DEFENSE (DOD) AND BASED AT CARNegie MELLon UNIVERSITY

Contact Us
CARNegie MELLon UNIVERSITY
SOFTWARE ENGINEERING INSTITUTE
4500 FIFTH AVENUE, PITTSBURGH, PA 15213
sei.cmu.edu | info@sei.cmu.edu
412.268.5800 | 888.261.4479

Delivering Proven Synthetic Inject to Live, Virtual & Constructive Multi-Domain Training - Today.
cubic.com/asc2020
OUTSTANDING AIRMEN OF THE YEAR continued

**TSGT NICOLE A. GANSERT**  
In-Flight Refueling Journeyman  
78th Air Refueling Squadron, Joint Base McGuire-Dix-Lakehurst, New Jersey  
Home of Record: Cherry Hill, New Jersey

Technical Sergeant Nicole A. Gansert was a critical member of the team who enabled Coalition forces to strike ISIS targets during Operation Inherent Resolve, where three KC-10 Extender Tankers provided pre- and post-strike refueling for 11 F-15 and F-35 fighter aircraft. She flew 25 combat missions totaling more than 200 hours and offloaded 2.5 million pounds of critical fuel in support of the operation. She deftly managed an in-flight emergency involving a GR-4 Eurofighter, resulting in the preservation of $127 million in assets, averting a strategic loss. Additionally, she managed the total force integration mobility exercise deployment and scrubbed 72 records, smoothing the rotational prerequisites. Finally, she enabled two active duty Air Force evaluations, backfilled four total force integration missions while in pre-deployment preparation, alleviating 30% of the boom operator shortfall.

**SSGT PORTIA L. SHORT**  
Ceremonial Guardsman  
U.S. Air Force Honor Guard, Joint Base Anacostia-Bolling, Washington, D.C.  
Home of Record: Lawton, Oklahoma

Staff Sergeant Portia L. Short led more than 80 ceremonies in Arlington National Cemetery and the National Capital Region as a fully qualified member of the Firing Party Element. Additionally, she performed duties as a Base Honor Guard Training Instructor, where she was instrumental in training over 80 personnel, providing Military Funeral Honor Guard training consistency for 17 bases supporting more than 40,000 missions worldwide. She was an instrumental member of the unit’s recruiting team where she briefed more than 3,000 candidates and was crucial in selecting top recruits. Finally, she was a speaker for the International Festival and Events Association Expo, where she briefed over 142,000 attendees and was key in the scheduling of seven events performed by the Honor Guard for an estimated audience of more than 3 million.
**KNOW FIRST. ACT FASTER.**

First Alert, Dataminr’s product for the public sector, provides the earliest indication of breaking news, enabling the fastest response to critical events.

dataminr.com/firstalert
info@dataminr.com

---

**Ensuring Air Force Device Security**
Learn More at eclypsium.com/vasc

---

**FLIR outfits warfighters with intelligent sensing and threat detection technology to expedite critical decisions and successful outcomes. From long-range thermal and visible solutions for air, land, and sea to radar systems, CBRNE detectors, and industry-leading UAS/UGV systems, we help you safely, efficiently and effectively accomplish your mission.**

LEARN MORE AT FLIR.COM/ASC2020

---

**The Courage to Meet Tomorrow’s Challenges Today**

IAI draws on innovative solutions and proven technologies to meet today and tomorrow’s challenges.

We’ve been creating exceptional solutions since 1953.

IAI offers tailored interconnected and interoperable solutions within and across domains.

Leap into the future together with us.

Visit our Virtual Booth – iainavirtualshow.com
www.iainorthamerica.com • info@iaiusa.com
SRA ROXANNE Y. DARIEN  
Public Health Technician  
75th Operational Medical Readiness Squadron, Hill Air Force Base, Utah  
Home of Record: Bronx, New York

Senior Airman Roxanne Darien executed readiness exercise operations by verifying 2,300 requirements and clearing 96 deployers, directly contributing to her team being named “Best Performing” by the command’s Inspector General. She enhanced the Hill Air Force Base flu-line initiative by teaming with local health departments, resulting in the vaccination of 2,000 personnel in less than 16 hours. She led the Department of Defense food recall program by initiating the process that verified 31 Food and Drug Administration notices in less than two hours. Additionally, she led the National Public Health week activities by coordinating hygiene and food safety demonstrations for 270 patrons. Finally, she inspected 55 work centers and audited 1,000 Occupational Safety Health Administration requirements, securing the safety of 7,000 personnel.

SRA CASSIDY B. BASNEY  
Space Intelligence Instructor  
United States Space Force, Peterson Air Force Base, Colorado  
Home of Record: North Ridgeville, Ohio

Senior Airman Cassidy B. Basney delivered intelligence support to space operators, securing 13 weapon systems and 70 Department of Defense satellites worth $71 billion. She authored the first Air Force Space Command Signals Intelligence Essential Elements of Information criteria, establishing eight enterprise-wide requirements for 42 threats, which integrated operations and intelligence support to the mission. Additionally, she revamped the 14th Air Force Request for Information process, analyzing 20 requests and distributing intelligence to six crews, resulting in a decreased response time from four months to one week. Finally, she headed 150 proximity reports for the 1st Space Brigade, which synchronized joint Air Force and Army satellite communications operations and increased tactical support to 241,000 warfighters.
Meteor is the next generation of Beyond Visual Range Air-to-Air Missile (BVRAAM)

Network-enabled, throttleable ramjet and active radar seeker combine to provide unmatched end-game speed and maneuverability at extended range.

MBDA Inc is proud to support the Air Force Association’s 2020 Virtual Air, Space & Cyber Conference. To learn more about MBDA Missile Systems is revolutionizing air-to-air combat in the 21st century, visit our website at: mbdainc.com
AT&T has supported AFA’s CyberPatriot programs as a Cyber Diamond Sponsor and has been represented on the CyberPatriot Board of Advisors since Hoyt S. Vandenberg Award
Most outstanding contribution in the field of flight
Capt Sean Foote, Spangdahlem AB, Germany

Theodore von Karman Award
Most outstanding contribution in the field of science and engineering
SpaceX

Gill Robb Wilson Award
Most outstanding contribution in the field of arts and letters
The Last Full Measure

Hoyt S. Vandenberg Award
Most outstanding contribution in the field of aerospace education
The Mitchell Institute

Citations of Honor
RECIPIENT AND ACHIEVEMENT

AT&T
Since 2013, AT&T and the AT&T Foundation have invested more than $144 million to support STEM initiatives and given nearly $12 million to support women in STEM. The Company and the Foundation support education programs that promote innovation and interest in STEM skills-building with a goal of encouraging young people to pursue meaningful careers in these industries.

AT&T has supported AFA’s CyberPatriot programs as a Cyber Diamond Sponsor and has been represented on the CyberPatriot Board of Advisors since 2013. AT&T’s Air Force Team members have led AFA CyberPatriot camps since 2016 and more than 70 AT&T volunteers have donated over 2,000 hours for the camps, welcoming 270 cyber campers. In 2019, AT&T hosted five CyberPatriot camps in California, Colorado, Texas, and Ohio, including Beginner and Advanced camps.

Call 1-800-727-3337 to subscribe
Delivering the Air Force Network of the future.

Find out how advanced technologies underpin EITaaS solutions.

Read the report at bit.ly/EITaaS1
**AIR FORCE ASSOCIATION NOTABLE AWARDS**

**CHAIRMAN’S AWARD FOR AEROSPACE EDUCATION ACHIEVEMENT**

For special or sustained achievement in support of the AFA education mission statements, namely advocate for STEM education and support and promote aerospace education.

**BRIG GEN BERNARD K. SKOCH, USAF (RET.)**

In 2010 Brigadier General Bernie Skoch became the Commissioner of CyberPatriot, taking over when there were two active sponsors, and one division that registered 185 teams. As this year’s season closes out, the program has 18 sponsors, almost 7,000 teams and 25,000 students registered in three divisions. The program now generates over $2.5 million revenue and more than pays for itself. Competitor demographics include 31% female, an astounding percentage for a computer science competition, and a nonwhite percentage 10% above the U.S. average. Over 80% of CyberPatriot alumni enrolled or obtained a higher education degree, of which 86% are in cybersecurity, computer science, or other STEM discipline. There are CyberPatriot competition versions for the United Kingdom, Saudi Arabia, Australia, and Canada.

**JOHN R. ALISON AWARD**

For the most outstanding contribution to national defense by industry.

**MARILLYN HEWSON**

Marillyn Hewson is the executive chairman of Lockheed Martin Corporation, and previously served as Lockheed Martin’s chairman, president, and CEO. Since she was appointed at the helm of Lockheed Martin, the company has doubled its market capitalization. In 2018, the Kingdom of Saudi Arabia entered into a multi-billion-dollar contract with Lockheed Martin, further establishing the company’s presence as a key provider of defense systems to friendly nations. The company has also recently won one of NASA’s Commercial Lunar Payload Services contracts. In just this past year, Ms. Hewson spearheaded Lockheed Martin’s commitment to keeping its supply chain strong during the COVID-19 pandemic by committing $156 million to logistics initiatives. They implemented alternating work schedules to maintain specialized employee skillsets and providing opportunities to adjust workflow to account for F-35 supply delays due to COVID. They have also been key in providing air transport of government medical teams to the most critical location in the country by partnering with the US Department of Health and Human Services.

**LIFETIME ACHIEVEMENT AWARDS**

Recognizes groups or individuals for their lifetime of achievement in the advancement of aerospace power.

**GEN LLOYD W. “FIG” NEWTON, USAF (RET.)**

General Lloyd “Fig” Newton is a command pilot who flew 269 combat missions during the Vietnam War, has more than 4,000 flying hours, and was the first African American to become a pilot for the Air Force flight demonstration team, the Thunderbirds. After leaving the team, he was an Air Force liaison officer with the US House of Representatives and continued to rise and assume increasingly higher levels of command. He served as the Director of Operations, United States Special Operations Command and as the Air Force Assistant Vice Chief of Staff. His career culminated as the Commander of Air Education and Training Command where he was responsible for the recruiting, training, and education of all Air Force personnel. General Newton retired in 2000 as a 4-star general. Following his Air Force career, he worked at Pratt & Whitney as executive Vice President of International Military Programs and Business Development. He formerly served as Board Chair of the National Business Aviation Association, and currently serves on the board of L3 Harris Technologies, Inc.

**GEN JOHN M. LOH, USAF (RET.)**

General Mike Loh is a command pilot with more than 4,300 flying hours, primarily in fighter aircraft, and flew 204 combat missions in Vietnam. During his 35 year Air Force career he served in a variety of roles, including Vice Chief of Staff, Commander of Tactical Air Command, and culminated his Air Force career as the Air Force’s first Commander of Air Combat Command, responsible for providing all U.S. based Air Force combat and support forces for action worldwide. General Loh is a consultant for defense companies and specializes in strategic requirements planning, business development, proposal preparation and evaluation, program management support, quality improvement, and congressional relations. He founded JML & Associates, Inc. the same year he retired from the Air Force and serves as their president still today. He also serves on the Board of Regents for the Security Defense Council.

**MAJ GEN MICHAEL COLLINS, USAF (RET.)**

Major General Michael Collins is an American astronaut who flew the Apollo 11 command module Columbia around the Moon while his crewmates made the first landing on the surface. He graduated from West Point, and later accepted his commission to the United States Air Force. After his training, he commanded a mobile training detachment and traveled to bases around the world, training mechanics on the servicing of new aircraft and teaching pilots how to fly them. His MTD posting allowed him to accumulate over 1,500 flying hours, enough for his admission to the USAF Experimental Flight Test Pilot School. He was assigned to Gemini 7 and 10, Apollo 8, and was the command module pilot for the legendary Apollo 11 mission that first landed man on the moon. Following his NASA career, Collins was appointed as the Assistant Secretary of State for Public Affairs. He was responsible for managing relations with the public at large, during the exceedingly difficult time of the Vietnam War. In 1971, he left the position to take over as the first Director of the National Air and Space Museum. He later served as the undersecretary of the Smithsonian Institution, and during all this he remained in the US Air Force Reserve, attaining the rank of major general in 1976.
The Air Force Association is proud to cultivate tomorrow’s leaders through grants, awards, and scholarships.

Learn more about our programs and sponsorship opportunities at AFA.org/education

Generously Sponsored by:
AIR FORCE ASSOCIATION NOTABLE AWARDS

W. STUART SYMINGTON AWARD
For the most outstanding contribution to national defense by a civilian.

W. Stuart Symington was the first Secretary of the Air Force. In those early days, he provided strong leadership and set a lasting example of how the job should be handled. Symington joined the Army in World War I and was commissioned a second lieutenant at 17. He later graduated from Yale and had a successful career in business—including the defense business. President Truman asked Symington to join the government and, in 1946, appointed him Assistant Secretary of War for Air. He played a key role in the 1946-47 political debates that led to formation of a separate US Air Force. His last year in office, 1949, was dominated by controversy about the B-36 bomber and a USAF-Navy clash over which would control the strategic nuclear mission. The Air Force, led by Symington and Gen Hoyt S. Vandenberg, prevailed. In April 1950, he resigned in objection to excessive cuts to the Air Force. With the outbreak of the Korean War two months later, Symington was proved right. He was elected to the US Senate in 1952 and represented Missouri for four consecutive terms, retiring in December 1976.

H. H. ARNOLD AWARD
For the most outstanding contribution to national defense by a military member.

Gen Henry H. “Hap” Arnold is recognized by all as the father of the US Air Force. He is the only American officer ever promoted to five star rank in two services—in the Army in 1944 and in the Air Force in 1949. Arnold graduated from West Point in 1907, the year the Aeronautical Division of the Army Signal Corps was established. He volunteered for aviation and was taught to fly by the Wright brothers. He was an excellent pilot, winning the first-ever Mackay Trophy for outstanding flight in 1912. In the 1930s, Arnold commanded the 1st Wing of the GHQ Air Force. He became Chief of the Air Corps in 1938 and Commanding General of the Army Air Forces when the AAF was formed during World War II. He flew from its small prewar size into a force of almost 2.4 million Airmen and 80,000 aircraft. He helped shape operations in Europe and in the Pacific and selected and developed leaders for the AAF. His driving energy and determination were legendary. The effectiveness of Arnold’s AAF during the war was a key factor in the creation of the United States Air Force as a separate military service in 1947.

IN TIMES OF CRISIS, THE AIR FORCE FAMILY PULLS TOGETHER.
YOU CAN HELP.
THAT’S WHY WE CREATED THE AFA COVID-19 AIRMAN’S ASSISTANCE FUND.
Find out more and donate at www.AFA.org/COVID-Help

STRONGER TOGETHER
vASC attendees: Be sure to participate in the FLY • FIGHT • WIN • CLICK CHALLENGE

You could win a great prize simply by participating in the conference. Earn points by attending sessions, by visiting virtual exhibits, and otherwise engaging.

For details, see the “Fly-Fight-Click-Win” tab on the vASC platform. Track your progress and standing on the daily leaderboard!

Each of the top ten finishers will receive a Rocket pen donated by the Challenge sponsor

LOCKHEED MARTIN

Good luck, and Fly-Fight-Click-Win!

Unfortunately, a late-breaking interpretation of the Joint Ethics Regulation precludes us from awarding the prizes we originally intended.
The Air Force Association is thrilled to announce that Rachael Arens, of Omaha Northwest High Magnet School, in Omaha, Neb., has been named the 2020 AFA National Teacher of the Year presented by Rolls-Royce.

For the past seven years, Arens has taught 9-12th grade AP Environmental Science, Chemistry, Anatomy/Physiology, Biology, and Advanced Horticulture, along with acting as Omaha Public Schools science curriculum developer. Recently named a 2020 Albert Einstein Distinguished Educator Fellow, she will head to Washington, D.C. this fall where she will work at NASA. This summer, she is working with the University of Nebraska, Lincoln, as an Upward Bound in Math and Science Summer Academy adjunct faculty member for Biology and Chemistry.

“Our 2020 National Teacher of the Year is another great STEM educator selected to be a part of AFA’s prestigious Teacher of the Year program,” said Jim Hannam, AFA Vice Chairman of Aerospace Education. “As a strong proponent of equitable STEM education and opportunities for all students, Arens will be an exemplary representative of America’s teachers for AFA and Rolls-Royce.”

Arens teaches her students to become informed agents of change by encouraging them to use inquiry to find solutions to problems faced in their own communities. Her students engage in service-learning projects and participate in youth action research, teaching them to become civic advocates, oftentimes intersecting social justice and science initiatives. This past year, her students co-wrote a bill with a Nebraska state senator and testified at the bill’s hearing at the state capitol.

“In addition to Dr. Arens’ exemplary teaching, she has secured numerous grants to subsidize projects for students,” said Dr. Cheryl Logan, Superintendent, Omaha Public Schools. “One of her noteworthy achievements was earning the Natural Resources District BMP Stormwater Grant for rain gardens at Northwest High School. She and her students have also installed a composting program, solar panels, a vegetable garden, and designed and built a rain garden on campus.”

Arens has held numerous STEM education leadership roles, serving on two state science education boards, serving as a state advisor to the National Geographic Education Society, and developing Nebraska standards and district-wide curriculum for science courses. She currently serves on the Board of Directors for the Nebraska Association of Teachers of Science (NATS), as well as a Board Member on the Nebraska Green Schools Committee. She leads the Outreach Committee for NATS and sets up mentorship programs for new science teachers across the state connecting them with experienced science teachers within their content area.

“Congratulations to Rachael Arens for this well-deserved recognition as AFA’s National Teacher of the Year. With her leadership and support for her students, Rachael has demonstrated the qualities of a dedicated and successful proponent of STEM. Rolls-Royce is proud to support Rachael and the Air Force Association as we all work together to develop and support today’s STEM students -- the science and technology leaders of tomorrow,” said Lt. Gen. Darryl Roberson (ret.), Rolls-Royce, Senior Vice President, Business Development - Fixed Wing.

A lifelong learner, Arens earned a Master’s degree in Biology (emphasis in Toxicology), a graduate secondary teaching certificate, and is now a doctoral candidate in STEM education.

As part of AFA’s mission to promote aerospace and science, technology, engineering, and math (STEM) education, the Teacher of the Year program ensures America’s aerospace excellence by supporting teachers who carry out that mission in the classroom.

**THE SECOND AND THIRD PLACE WINNERS FOR AFA NATIONAL TEACHERS OF THE YEAR PRESENTED BY ROLLS-ROYCE ARE:**

**Melissa Girmscheid**  
Second Place Winner  
Centennial High School  
Peoria, AZ

**Kenneth Robinson**  
Third Place Winner  
Kaiserslautern High School  
Kaiserslautern, Germany

The Air Force Association is grateful to its Aerospace Education Program Platinum sponsor, Rolls-Royce, for their continued sponsorship of the AFA Teacher of the Year program, allowing the program to continue honoring educational innovators in STEM. The AFA Teacher of the Year program dates back to the early 1990s when the mission to recognize classroom teachers (K-12) for their innovative and successful instructional programs originally began.

---

*Arens and her AP Environmental Science students construct solar panels to power computers for outdoor classroom sessions.*
WORKING TOGETHER TO BRING THE FUTURE FASTER

General Atomics Aeronautical Systems and General Atomics Electromagnetic Systems Are Proud to Sponsor AFA’s First-Ever Virtual ASC.

ga.com
MADE OF NONSTOP DEDICATION SINCE 1922

Supporting veterans, and all that you do, for nearly a century.

USAA was founded in 1922 to insure members of the military when no one else would. But we didn’t stop there. We’ve lifted up the military community in all we do. They inspired us to invent the first mobile deposit technology to help meet their unique needs. They are the reason we have created programs to strengthen military families and help veterans adapt to life after service. The history of our commitment runs deep, and we proudly continue it today.

Discover how USAA can support you at USAA.COM/AFA or call 877-618-2473.