EXPANDING THE COMPETITIVE EDGE
Cover outer gatefold

(in PDF only, this page intentionally left blank)
It takes collaboration and innovation to win in the multi-domain battlespace of the future.

In the battlespace of tomorrow, success will depend on synchronized networks that rapidly integrate data sources and weapon systems across domains. Working together to outpace, disrupt and paralyze your adversary, multi-domain superiority is closer than you think.

Learn more at lockheedmartin.com.

Lockheed Martin. Your Mission is Ours."

The U.S. Air Force’s combat proven F-35A is the most lethal, survivable and connected fighter in the world. With stealth, advanced sensors, and networked data links, the F-35 can go where no fighter can go, see what no fighter can see and share unprecedented information with the joint, multi-domain fighting force. Supersonic speed. Fighter agility. Increased range. Extended mission persistence. Flexible weapons capacity. From the highest-end, sensitive missions to permissive battlespace. On the first day to the last. The F-35 gives the U.S. Air Force a decisive advantage, ensuring our men and women in uniform can execute their mission and return home safe every time, no matter the threat. Learn more at F35.com/airforce

Lockheed Martin. Your Mission is Ours.

F-35 LIGHTNING II
NORTHROP GRUMMAN | BAE SYSTEMS | FRAT & WHITNEY

LOCKHEED MARTIN

© 2019 Lockheed Martin Corporation
The Air Force Association has been serving, supporting, and championing the Air Force since 1946. We are committed to promoting a dominant United States Air Force and a strong national defense and honoring Airmen and our Air Force heritage.

AFA is committed to educating the public on the invaluable benefits of air dominance, advocating for the Air Force, and supporting the Air Force family. The Air, Space & Cyber Conference was created to do just that. Our conference provides a forum for Air 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 to the Air Force Association’s 2019 Air, Space & Cyber Conference

On behalf of 96,000 members of the Air Force Association worldwide, welcome to the 71st annual Air, Space & Cyber Conference and National Convention! We are delighted that you are joining us for the premier professional development event for air, space, and cyber-power advocates, allies, industry partners, DOD leaders, and Airmen for Life.

“Expanding the Competitive Edge,” this year’s theme, captures a critical national imperative reflected in the National Defense Strategy. Our theme reflects how the best Air Force the world has ever seen needs to even more closely partner with industry and others to even further improve our capabilities across every domain to counter the very real threats our nation faces.

We are excited to welcome for the first time to our conference Acting Secretary of the Air Force Matthew Donovan, who will address the conference on “The State of the Force” on Monday afternoon, and the Chief of Staff of the Air Force, General David Goldfein, who will deliver his “Air Force Update” on Tuesday morning. Also, we are pleased to have the Chief Master Sergeant of the Air Force, Kaleth Wright deliver his address “Connecting Airmen to The Flight: Leading with Purpose” on Wednesday morning.

This year we are thrilled to have as our first conference keynote speaker Virgin Group Founder, Sir Richard Branson. He will discuss how innovation and an entrepreneurial spirit is rapidly transforming the business world and how that spirit can help our United States Air Force even better achieve its critical mission. The Secretary of Defense, the Honorable Mark Esper, will take the stage on Wednesday morning to provide his vision for the Air Force.

While you’re with us, we encourage you to explore the 100,000 square feet of exhibit space in our exhibition hall, where nearly 140 companies are displaying cutting-edge technologies and capabilities. Please give special attention to our first small businesses pavilion as you visit the hall. Also, be sure to stop by the many charitable and service organizations that support our Airmen and their families, located outside of the main ballroom in the Potomac Foyer.

We also invite you to attend the 28 panels and speaker sessions covering groundbreaking topics in air, space and cyber. AFA is proud to host many outstanding speakers throughout this event, including several Major Command Commanders, Airmen of all ranks, and industry thought leaders.

And please be sure to visit AFA’s booth outside the main ballroom to learn more about your Air Force Association. Join the Fight with us in our mission to support the Total Air Force family. It is an honor for us to hold professional development events like this conference.

We are glad you are here.

Sincerely,

F. Whitten Peters  
Chairman of the Board  
Air Force Association

Bruce "Orville" Wright  
President  
Air Force Association
THE FUTURE OF PERSISTENT ATTACK & RECONNAISSANCE

- 40,000 hours design service life
- Open architecture design for rapid integration of new payloads
- All weather operations with lightning protection, de-ice and anti-ice
- Dual redundant SATCOM data links
- Short runway operations with direct lift spoilers
- All airspace access with integrated Detect and Avoid suite
- Nine hardpoints
Program Advertiser Index

Boeing 13
Collins Aerospace 29
DynCorp International 35
ElbitAmerica Back Cover
General Electric 8-9
General Atomics 3
Gulfstream 17
Lockheed Martin Inside Cover, Cover Gatefold
Meggitt 35
Northrop Grumman 30-31
Owl Cyber Defense Solutions 39
Pratt & Whitney 35
Projects Unlimited 37
Rolls-Royce 33
Sierra Nevada Inside Back Cover
USAA 19
Wounded Warrior Project 39

AFA Aerospace Education Programs 44
AFA Monthly Giving 60
AFA Social Media Channels 59
Air, Space & Cyber Conference 2020 37
Air Warfare Symposium 2020 40
ASC18 Mobile App 47
Become An Airman For Life 51
Doolittle Building Brick Campaign 45
Wounded Airman Program 40

POTOMAC BALLROOM LEVEL EXHIBITS
Convention Center | Level 2
(See page 14 for a description of these exhibits)

As of August 27, 2019.
For updated information, please scan the barcode to refer to our mobile app.
The mainstay of our strategic nuclear fleet demands rugged, reliable, and commercially-proven new engines. Our experience with three USAF re-engining programs, powering six strategic bombers, and fielding the largest commercial engine fleet in the world uniquely qualifies GE to sustain the B-52 aircraft and its mission.

Proven commercially. Experienced in combat. GE is B-52 ready.

CF34-10
GE's most reliable engine operating day in and day out under the harshest duty of the commercial world—regional aviation.

PASSPORT
Our most advanced 18,000 lb thrust class engine, raising the bar for engine performance.
MISSION CRITICAL DEMANDS
COMMERCIAL GRADE

The mainstay of our strategic nuclear fleet demands rugged, reliable, and commercially-proven new engines. Our experience with three USAF re-engining programs, powering six strategic bombers, and fielding the largest commercial engine fleet in the world uniquely qualifies GE to sustain the B-52 aircraft and its mission. Proven commercially. Experienced in combat. GE is B-52 ready.

CF34-10
GE’s most reliable engine operating day in and day out under the harshest duty of the commercial world—regional aviation.

PASSPORT
Our most advanced 18,000 lb thrust class engine, raising the bar for engine performance.

B-52andGE.com
AFAES  Booth 954  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 DoD-mandated, Quality-of-Life programs critical to maintaining force readiness and resiliency, including Child Development Centers, Youth Programs, Fitness Centers and more. www.afaes.com

AAFMAA  Booth 136  AAFMAA is the longest-standing not-for-profit financial solutions provider expressly for the military community. We empower our members and their families to achieve financial security by providing them with affordable financial resources – including a full spectrum of life insurance policies, wealth management solutions, and mortgage services. www.aafmaa.com

Ace Computers  Booth 1241  Ace Computers is a leading provider of information technology solutions and one of the Top 100 Custom System Builders in the U.S. The federal government; Fortune 500 corporations; and state and local governments rely on Ace to meet their technology challenges with intelligent solutions. Ace Computers is a family owned business, providing support and service to our customers nationwide. www.accomputers.com

AECOM  Booth 901  AECOM is a fully integrated company with nearly 100,000 employees operating internationally. We deliver solutions for national government clients to address critical infrastructure resiliency, international development, contingency operations, and emerging markets. AECOM Management Services Group (AMSG) provides the US Air Force and other DOD customers with broad-based logistics support services, aviation maintenance support, test ranges, USAF operations center support and flight services. www.aecom.com

Aerojet Rocketdyne  Booth 1117  Aerojet Rocketdyne is a world-recognized aerospace and defense leader that provides propulsion and energetic to the space, missile defense and strategic systems, tactical systems and armaments areas, in support of domestic and international markets. Additional information about Aerojet Rocketdyne can be obtained by visiting our website at www.Rocket.com

AFPKI SPO  Booth 654  The Air Force Public Key Infrastructure System Program Office (AFPKI SPO) is a recognized leader in the DoD PKI implementation and customer support services, providing secure Information and identity assurance through superior Public Key Enabling. By leveraging a pervasive platform of transparent identity assurance and cybersecurity capabilities, the AF PKI SPO enables the Air Force with flexible, trusted communication channels across the Air Force enterprise in every theater of operations. intelshare.intelink.gov/sites/usaf-pki/

AFRL  Booth 1001  AFRL's mission is leading the discovery, development, and integration of affordable warfighting technologies for our air and space forces. AFRL accomplishes this through nine technology directorates located throughout the United States, the Air Force Office of Scientific Research, and a central staff. AFRL’s partners include the Air Force major commands that operate and maintain the full spectrum of Air Force weapons systems. It is a rich heritage with heroic accounts of responding to disasters, humanitarian aid, and conflicts. Our history is also the study of changing, adapting, and evolving from a strategic force held in “reserve” into a cost-effective, responsive operational reserve force ready for the fight tonight. www.afrc.af.mil/About-Us/AFRC-History/

APWEX/SDPE  Booth 1291  Innovation through Experimentation - Air Force Strategic Development Planning and Experimentation (SDPE) and APWEX will present efforts to provide the war fighter with innovative operational capabilities through experimentation. Recent efforts and activities will be presented to include light-attack, directed energy, and information warfare.

AGI  Booth 741  Analytical Graphics, Inc. (AGI) develops software for engineers, analysts, and operators working on land, sea, air, and space systems. Our modeling, analysis, and visualization tools, coupled with legendary customer support, have been helping aerospace and defense organizations make critical decisions faster, more accurately, and in a mission context since 1989. Visit www.agi.com.

Air Force CyberWorx  Booth 554  Air Force CyberWorx is a dynamic organization, part of the DoD innovation ecosystem, partnering with a variety of innovative problem solvers – airmen, cadets, industry, and academia – to reimagine how technology might enrich and protect our nation, businesses, and lives. As a human-centric design center, we seek unique ways to connect Air Force warfighters with solutions to current operational challenges that feature current and future technology in meaningful ways that drive operational advantage. www.afcyberworx.org
LIST OF EXHIBITORS (FOR LIST OF POTOMAC BALLROOM LEVEL EXHIBITORS SEE PAGE 18)

FlightSafety International  Booth 441
FlightSafety International is the world’s premier professional aviation training company and supplier of flight simulators, visual systems and displays to commercial, government and military organizations. The company specializes in training pilots, technicians and other aviation professionals from 167 countries and independent territories. FlightSafety operates the world’s largest fleet of advanced full-flight simulators at Learning Centers and training locations worldwide. www.flightsafety.com

FLIR  Booth 181
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 on the frontlines of the world’s most pressing military, defense and public safety challenges with a single-minded 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  Booth 1244
Fortem Technologies provides total airspace security and defense for an autonomous world, protecting venues, infrastructures, sites, cities and regions from the ground up. Fortem digitizes any 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. www.fortemtech.com

GE Aviation  Booth 400
GE Aviation, an operating unit of GE (NYSE: GE), is a world-leading provider of jet and turboshaft engines, components, integrated digital, avionics, electrical power and mechanical systems and software 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. www.geaviation.com

General Atomics Aeronautical Systems, Inc. (GA-ASI)  Booth 322

General Dynamics Mission Systems  Booth 1123
General Dynamics Mission Systems is an innovative leader in mission critical C4ISR solutions. Customers depend on our products and systems to perform in every domain – land, air, sea, space, and cyber. Follow us @GDMS. Explore our full spectrum of trusted solutions in global defense, civilian and commercial markets at gdmis.com

George Mason University, School of Business  Booth 147
Our Executive MBA in National Security transforms aspiring leaders from the military, government, and corporate defense sectors into business leaders who can provide mission-critical products and services and understand the demands of the national security sector. In partnership with the Center for Government Contracting we provide students with the opportunity to connect with local national security and government contracting communities. www.business.gmu.edu

Gulfstream Aerospace Corp.  Booth 749
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. www.gulfstream.com

Holloman AF base - MQ-9 Reaper Enterprise  Booth 355
Pilots and sensor operators from the MQ-9 Remotely Piloted Aircraft (RPA) operational and training communities.

Honeywell Aerospace  Booth 649
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. www.honeywell.com

IAI North America  Booth 345
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, sea, land, cyber and homeland security. www.iai.northamerica.com

ICSX  Booth 647
We are a certified small business. Our intercom system, the AN/AVO-27 and its variants have application across a wide range of fighter, attack, trainer, helicopter, gun ship, cargo and surveillance aircraft. We now have wireless intercommunication assets for aircrews, ground-crews and loadmasters available for deployment in any aircraft. We also have a new wireless intercom product to be introduced to Air Force personnel to improve safety and mobility. www.icsx.us.com

IEUSA Technologies  Booth 1045
IEUSA Technologies specializes in electromagnetic phenomenology, analytical computing, and weapon systems engineering applicable to a variety of disciplines from hardware and software development to engineering and consulting services. www.ieustech.com

IFS  Booth 1155
IFS is a globally recognized provider of both enterprise-wide solutions and best-of-breed point software products designed specifically for the global aerospace & defense (A&D) markets, including commercial aviation, government contractors, military operators, A&D manufacturers, in-service support and independent Maintenance, Repair and Overhaul (MRO) providers. www.ifsworld.com

Inmarsat  Booth 816
Inmarsat is dematerializing radar, making it more usable, affordable, and accessible than ever before. We develop high performance multi-mode radar systems capable of all-weather imaging, monitoring, and surface search. Our radars are simple to integrate on manned and unmanned aircraft of all sizes. The radars complement FMV and EW systems, increasing mission capability and effectiveness. Our advanced software and processing techniques make radar make simple to understand. www.inmarsat.com

Insiu  Booth 933
Insiu is an industry-leading provider of information for superior decision making. We create customized decision support systems and information processing software solutions while providing 24/7 global training, services and support. Our platforms - ScanEagle, Integrator, and Blackjacket – have logged more than one million operational flight hours and deliver high-quality, combat-proven ISR for land and maritime missions. Founded in 1994, Insiu is a wholly owned subsidiary of The Boeing Company. www.insiu.com

Intellisense Systems  Booth 740
Intellisense Systems, Inc. (ISI) is a small business committed to providing innovative, timely, and cost-effective solutions for our defense customers in cutting-edge sensors, information processor, optoelectronic instruments, augmented intelligence, and visualization technologies. With well-rounded technical expertise and well-established processes and certifications, ISI has built an in-house engineering and production facility and infrastructure to support technology transition. www.intellisenseinc.com

Kawasaki Heavy Industries  Booth 549
Kawasaki Heavy Industries leads Japan’s aerospace industry in a wide range of aerospace businesses. In the defense sector, Kawasaki has played a major role as the prime contractor for the Japan Ministry of Defense’s various programs including C-2 transport aircraft, P-1 maritime patrol aircraft, and so on. www.global.kawasaki.com

King Aerospace  Booth 820
King Aerospace, Inc. (KAI) has a never-ending passion of service to God, Country and Family. Serving as a government contractor to the United States Armed Forces has allowed KAI to serve its passion in providing military agencies with the most responsive and committed aviation support services. At KAI, serving as a government contractor is truly a blessing and an honor. Only those who share in the passion of service and commitment are allowed to join the King Aerospace team. www.kingaerospace.com

Klaas Telecom Government, Inc.  Booth 755
Communicate more, carry less with Voyager, a low-SWaP modular, scalable and deployable communications system of systems that extends secure networks to the tactical edge. Voyager’s range of rugged networking and computer systems provide reliable, continuous communication throughout all phases of the mission, plus more capability per cubic inch than any other market solution, while reducing hardware footprint and saving deployment costs. www.klaastelecom.com

Kratos Defense & Security Solutions  Booth 1151

L3Harris Technologies  Booth 822
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. www.L3harris.com

Leidos  Booth 123
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 32,000 employees support vital missions for government and commercial customers. Headquartered in Reston, Virginia, Leidos reported annual revenues of approximately $10.19 billion for the fiscal year ended December 28, 2018. Visit us at www.Leidos.com.

LinQuest Corporation  Booth 945
LinQuest is blazing a trail in Digital Engineering, developing innovative and intuitive solutions to tomorrow’s challenges today. LinQuest delivers performance excellence from initial concept through technology transitioning capability, providing thought leadership, domain expertise, and Model-Based Systems Engineering process discipline across the enterprise lifecycle. LinQuest is rapidly advancing Multi-Domain Operations, expanding the competitive edge for the future Fully Networked Force. www.linquest.com

Lockheed Martin  Booth 519
Headquartered in Bethesda, Maryland, Lockheed Martin is a global security and aerospace company that employs more than 105,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services. www.lockheedmartin.com
BEST SERVICE
BEST VALUE
UNMATCHED READINESS

Boeing’s C-17 global sustainment program delivers mission readiness through cost-effective maintenance, logistics and training solutions. With best-in-class value and unmatched support, we deliver results when and where you need them to ensure operational success around the world.

boeing.com/C-17
LTC Partners

Booth 1145

LTC Partners is a versatile administrator of large-scale insurance and benefits programs. We administer both the Federal Long-Term Care Insurance Program and BENEFEDS (a secure enrollment and premium administration platform) under the oversight of the U.S. Office of Personnel Management (OPM). LTC Partners is located at Pease International Tradeport in Portsmouth, NH. We are a wholly owned subsidiary of John Hancock Life & Health Insurance Company. www.ltcpartners.com

Marotta Controls

Booth 754

Marotta specializes in designing, developing and manufacturing customized motion, flow and electronic control systems for partners around the world. Our engineering team understands the increasing technical challenges of today’s next-gen platforms and develops custom solutions for aerospace, weapons and space system applications. Our portfolio includes power supplies and power conversion, electronic motor controls, and advanced fire control actuation systems. www.marotta.com

Martin-Baker Aircraft Co. Ltd.

Booth 641

Martin-Baker is the world’s longest established and most experienced manufacturer of ejection seats and related equipment to safeguard the aviator throughout the escape, survival, location and recovery phases. Martin-Baker has headquarters in Denham (England) as well as 2 facilities in the United States and locations in France, Italy & Australia. Backed by over 70 years of experience, Martin-Baker has saved over 7,600 aircrew lives to date from 90 Air Forces around the World. www.martin-baker.com

Marvin Test Solutions

Booth 905

The U.S. market leader in Alternate Mission Equipment (AME) with a 50-year history in defense and aerospace, the Marvin Group includes Marvin Engineering (MEC), Marvin Test Solutions (MTS), Marvin Land Systems (MLS), and Flyer Defense. On display will be MEC’s military aircraft weapons suspension release equipment and MTS’ O-level / I-level aircraft & armament test systems, including the innovative SmartCan - an advanced D-level test that supports smart weapon systems on multiple platforms. www.martinstest.com

MaxVision

Booth 112

Rugged Portable Computers (dba MaxVision®) specializes in ruggedizing the industry’s best Commercial-Off-The-Shelf (COTS) technology to create the fastest rugged portable computers in the industry which include deployable storage/servers and multi-screen workstations. Our products provide competitive pricing of COTS technology, built rugged for extreme environments. www.maxvision.com

MBDA Inc.

Booth 541

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 lead major multi-national projects. MBDA is jointly owned by BAE SYSTEMS (37.5%), EADS (37.5%) and PINEMONT CANICA (25%). www.mbdasystems.com

Meggitt Defense Systems

Booth 1219

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. www.meggitdefense.com

Mercury Systems

Booth 126

Mercury specializes in rugged electronic hardware for EW, avionics, munitions and C2 applications. Featuring built-in security and made in DMEA-certified facilities, our solutions include: Secure servers for ground stations and UAVs, Adaptive Radar and cognitive EW capabilities, Safety-certifiable avionics and mission computing Mercury supports F-35, B1, F-15, Gorgon Star, Global Hawk and other programs. We leverage commercial technologies and Osilos to continuously deliver new capabilities to our Airmen. www.mricy.com

Merrill Lynch

Booth 1046

Advice can make all the difference! Whether defining goals, addressing change or knowing how to move forward, your Merrill Wealth Management Advisor can help you take the next step now for where you want to be. www.ml.com

MIC Group

Booth 250

MIC Group based in Bronx, Texas, is an AS9100 Rev D, Precision Machining, Milling, Casting and Electromechanical Assembly Company with 54 year history of excellence! With 260,000 Sq Ft of manufacturing space MIC Group has the people, machines, and experience for your aerospace metal needs; aluminum, steel, titanium, you name it. Large pieces from 50+ to very small pieces of <1, we have the machines and the capacity to meet your Aerospace needs! Call 979-277-7844 or come see us at www.micgrp.com or

Microsoft

Booth 1023

Microsoft (Nasdaq “MSFT”) (Microsoft) is the leading platform and productivity company for the mobile-first, cloud-first world, and its mission is to empower every individual and every organization to achieve more. www.microsoft.com/dynamics

MGA

Booth 855

Military Officers Association of America (MGA) is the country’s largest, most effective association of military officers. More than 350,000 officers put their trust in us to champion their issues on Capitol Hill. MGA has the resources and lobbying expertise to aggressively defend the benefits and rights you’ve earned and deserve. Join today! www.mga.org

MOAA

Booth 595

The National Defense Industrial Association (NDIA) is America’s leading defense industry association promoting national security. With its members, NDIA convenes legal and ethical forums for industry and government to exchange information. Through its Divisions, Chapters, and Affiliates, NDIA champions innovative and superior equipment, training, and support for warfighters and first responders. NDIA publishes the award-winning National DEFENSE Magazine. For more information, visit NDIA.org

Nicomatic

Booth 940

Nicomatic is an ISO 9001-2015 and EN9100 Certified Designer, Manufacturer, and Leader of Harsh Flex Assemblies and Micro-Connectors. We specialize in standard and custom interconnect solutions for the harsh environments. Over 20 million standard layouts for 2.00 mm metal and non-metal rugged rectangular connectors. Visit booth 940 to see our new, EMM, 1.27 mm pitch rugged rectangular connector, SmartCo and our new EN4165 connectors. www.nicomatic.com

No Magic, Inc.

Booth 153

No Magic is one of the most respected providers of standards-compliant modeling, simulation and analysis solutions in the industry. MagiCAD® and the CAMERA™ Suite are best-of-breed tools enabling Model Based Systems Engineering, Enterprise Architecture, and Semantic Interoperability. Our products are used by major organizations worldwide in industries such as government, defense, aerospace, in healthcare, and transportation to design architectures of complex systems and systems of systems. www.nomagic.com

Northrop Grumman Corporation

Booth 209

Northrop Grumman Corporation is a leading security company providing innovative systems, products and solutions in autonomous systems, cyber, C4ISR, space, strike, and logistics and modernization to customers worldwide. Please follow us on Twitter, @NGCNews, and visit news.northropgrumman.com

Omega Air

Booth 214

Omega provides contract air-to-air refueling with a fleet of specially equipped and converted tankers to serve as air-refueling platforms that meet the operational needs of the U.S. Navy, Marine Corps and U.S. allies. Omega currently provides probe and drogue refueling services. www.omegaairrefueling.com

Oracle Corp

Booth 949

Decision Advantage: Get Tomorrow’s Intelligence Today. Oracle, a global provider of enterprise and cloud computing, leads the world in transforming data into actionable intelligence. Our secure and innovative technologies—including an integrated array of analytical applications, databases, infrastructure, and cloud services—will help your organization support operational standards and have advanced the nation’s intelligence mission for more than 40 years. www.oracle.com

Owl Cyber Defense Solutions

Booth 818

Owl Cyber Defense Solutions, LLC leads the world in data diode and cross domain network cybersecurity. With a constant focus on customers in the military, government, critical infrastructure, and commercial communities, Owl develops market-first, one-way data transfer products to meet a variety of operational needs, from entry level to enterprise. www.owlcyberdefense.com

PAE

Booth 151

PAE Partner for your most important missions. We deliver critical maintenance, repair and overhaul of aircraft; vehicles and associated ground equipment. We have skilled technicians performing every level of support, supply logistics, technical expert services and equipment on more than 200 types and variants of aircraft with 75 engine types. We maintain 900 aircraft across 37 types and variants and more than 1,000 vehicles annually for U.S. and allied nation customers at 50 locations. www.pae.com

Palantir

Booth 233

Palantir offers commercial Data Management, Analytics, and Visualization platforms, used by leading global government agencies and commercial institutions. Palantir’s commercial products enable digital transformation by connecting nontechnical users, analysts, data scientists, developers, and third-party vendors in a single data ecosystem. Learn more at www.palantir.com.

Parker Aerospace

Booth 1213

Parker Aerospace is a global leader in the research, design, integration, manufacture, certification, and lifetime service of flight control, hydraulic, fuel and inerting, fluid conveyance, thermal management, lubrication, and pneumatic systems and components for aerospace and other high-technology markets. The company supports the world’s aircraft manufacturers, providing a century of experience and innovation for commercial and military aircraft. www.parker.com

Parsons

Booth 247

Parsons is a leading provider of technology-driven solutions focused on the defense, intelligence, and critical infrastructure markets. Celebrating 75 years of operations, Parsons provides technical design, engineering services and software products to address our customers’ challenges. Parsons has differentiated capabilities in cybersecurity, intelligence, missile defense, space, physical infrastructure, and mobility solutions. For more about Parsons, please visit www.parsons.com

PatchPlus Consulting

Booth 946

PatchPlus Consulting, Inc. is a Service-Disabled Veteran and Woman Owned Small Business that provides highly trained and operationally experienced ISR, space and cyber experts. PatchPlus has the largest concentration of ISR/space/cyber weapons officers in the Industry. PCC makes a difference to the warfighter with capable and credible subject matter expertise – Experience Matters! www.PatchPlusConsulting.com

Patriot Encalibur

Booth 1251

Patriot Encalibur (PEX) offers a unit-level software toolset that enables Air Force (AF), Joint Service, and Foreign Military unit personnel to conduct accurate and real-time operational tasks and track readiness status. PEX supports both flying and non-flying units and MAJCOMs, and it is neither aircraft Mission Design Series (MDS) nor unit type limited. PEX is government owned software that is utilized by over 1200 units worldwide. www.pemain.com

Physical Optics Corporation

Booth 141

Physical Optics Corporation (POC) celebrates their 33rd year as a technology and innovation leader solving our customer’s toughest challenges in defense, intelligence, homeland security, civil and space applications. Focused primarily on defense and aerospace technology, POC designs, develops, manufactures and supports a broad range of critical subsystems for Avionics, RF Mitigation and network-centric systems for airborne and ground applications. www.poc.com

PPC

Booth 1151

PPC makes a difference to the warfighter—supporting aircraft, defense, intelligence, and communications. PPC leads the world in Digital Interoperability and Low Probability of Intercept (LPI) solutions. PPC’s open system, Mission Design Series (MDS) nor unit type limited. PEX is government owned software that is utilized by over 1200 units worldwide. www.pemain.com

Physical Optics Corporation

Booth 141

Physical Optics Corporation (POC) celebrates their 33rd year as a technology and innovation leader solving our customer’s toughest challenges in defense, intelligence, homeland security, civil and space applications. Focused primarily on defense and aerospace technology, POC designs, develops, manufactures and supports a broad range of critical subsystems for Avionics, RF Mitigation and network-centric systems for airborne and ground applications. www.poc.com
MILITARY ENGINES

OPERATIONAL READINESS TODAY.
UNLEASHING CAPABILITY FOR TOMORROW.

Pratt & Whitney’s F135 propulsion system for the fifth generation F-35 Lightning II continues to redefine what’s possible for our customers and their missions. And we’re not done innovating. With a suite of unmatched propulsion technologies that can enable capability growth for the F-35, we stand ready to help take the world’s most advanced fighter to the next level.

FLY FURTHER AT PW.UTC.COM
Pratt & Whitney
Booth 433
Pratt & Whitney, 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 bomber. C-17 Globemaster III military transport and the KC-46 Pegasus tanker. www.pw.utc.com

Projects Unlimited
Booth 1217
Projects Unlimited is an Electronics Manufacturing Services (EMS) provider of circuit card assemblies and wiring harness systems serving aerospace and defense worldwide. Working with your drawings and specifications, providing world-class workmanship, high-precision manufacturing, and in-house testing. AS9100D, ISO 9001:2015, and ITAR certified as well as Nadcap accredited CCA & CHA. www.pui.com

Raytheon
Booth 801
Raytheon Company, with 2018 sales of $27 billion and 67,000 employees, is a technology leader in developing and producing sophisticated products and services for the nation's defense and civil markets. With operations spanning 97 years, Raytheon provides state-of-the-art electronics, mission systems integration, C5I® products and services, sensing, effects and mission support for customers in more than 80 countries. Raytheon is headquartered in Waltham, Massachusetts. www.raytheon.com

RGB Spectrum
Booth 944
RGB Spectrum provides innovative solutions for the display, recording, and distribution of computer, video, audio, and control signals. Since its founding in 1936, RGB Spectrum has established itself as a leading designer and manufacturer of cutting-edge video processors and decision support systems. RGB Spectrum’s products are preferred by major defense and aerospace markets. www.rbg.com

Rolls-Royce
Booth 633
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, 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. www.rolls-royce.com

Saab
Booth 111
Saab Defense and Security USA, LLC (SDS) 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 battlespace and the budget space. SDS has approximately 400 employees working in four divisions: Support and Services, Training and Simulation, Sensor Systems, Saab Barracuda. www.saabusa.com

SAIC
Booth 911
SAIC® is a premier technology integrator solving our nation’s most complex challenges across the defense, space, civilian, and intelligence markets. Our offerings include high-end solutions in engineering, IT, and mission solutions. Headquartered in Reston, Virginia, SAIC has approximately 23,000 employees and annual revenues of about $6.5 billion. www.saic.com

Secretary of the Air Force Office of Small Business (SAF/SB)
Booth 955
Secretary of the Air Force Office of Small Business Programs (SAF/SB) works with all the Air Force acquisitions to ensure small business opportunities are maximized across the combatant commands, defense agencies and laboratories. SAF/SB provides cutting-edge small business support to meet warfighter needs. www.airforcesmallbiz.af.mil

Siemens Government Technologies, Inc.
Booth 1049
Siemens Government Technologies (SGT), Inc., a leading integrator of Siemens’ innovative products, technologies and services for federal government agencies and military service branches requiring software solutions for digital transformation; technologies for energy generation, transmission, distribution and efficiency, infrastructure modernization; and integrated electric power solutions for the air, land and sea domains. www.siemensgovt.com

Sierra Nevada Corporation
Booth 611
SNC delivers customer-focused technology and best-of-breed integrations in the aerospace and defense sectors. SNC is recognized among the three most innovative U.S. companies in space, as a Tier One Superior Supplier for the U.S. Air Force as an arm of America’s fastest growing companies. SNC’s technology is used in diverse applications including navigation and guidance, communication and GIS systems, telemedicine, electronic warfare, aviation, commercial space and cybersecurity. SNCorp.com

Snap-On Industrial
Booth 544
Snap-On Incorporated is a leading global innovator, manufacturer and marketer of tools, equipment, diagnostics, repair information and systems solutions for professional users performing critical tasks. Products and services include hand and power tools, tool storage, diagnostics software, information and maintenance management equipment and other solutions for vehicle dealerships and repair centers, as well as for customers in industries, including aviation and aerospace, agriculture, construction, government and military, mining, natural resources, power generation and technical education. Founded in 1920, Snap-On is a $3.7 billion, S&P 500 company headquartered in Kenosha, Wisconsin. www.snapon.com

Space Dynamics Laboratory
Booth 108
SDL has been solving the technical challenges faced by the military, science community, and industry since 1950. SDL’s solutions include improved data gathering and analysis tools for all branches of the military and powerful remote and in situ sensing solutions—with an emphasis in electro-optical sensing in the near UV to far IR. www.sdl.usu.edu

Spirit AeroSystems
Booth 117
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. www.spirit Aero.com

SNC, Inc.
Booth 500
SNC, Inc., a not-for-profit research and development company, combines information, science, technology and ingenuity to solve “impossible” problems in the areas of defense, environment and intelligence. Across our family of companies, we apply bright minds, fresh thinking and relentless determination to deliver innovative products and services that are redefining possibilities for the challenges faced by America and its allies. For more information, visit www.sncinc.com.

Systecron
Booth 1149
Systecron provides Al Enhanced Decision Support for Optimized Performance & Cost. Systecron is a cloud-based platform that brings together artificial intelligence, optimization, and mission simulation that has been adopted by 30 nations’ Defense Forces and mandated for use by the US Navy, UK MoD and Australian Defense Force. USAF will thrive with Systecron’s OpuX Suite. With billions of US dollars in proven savings while providing increased mission capability (MC), Systecron has been vital in achieving OSD Readiness objectives. www.systecron.us

Tactical Air Support
Booth 100
Tactical Air Support, Inc. (TacAir) specializes in advanced tactical air training support with a cadre of former weapon school instructors and operational commanders, instructors and test pilots. We provide the benefits of a cost-effective commercial center of excellence. TacAir mirrors the mission areas of a fighter weapons school. Our operationally current instructor cadre, provides advanced flight training, subject matter expertise, tactics development, evaluation & academic training. www.tacticalairsupport.com

Thinklogical, A Belden Brand
Booth 114
Thinklogical, A Belden Brand manufactures KVM and video extension switching systems certified to manage multiple classifications of information through a single switch, reducing the requirement to air-gap networks and increasing cyber security. True “any-to-any” switching of mission critical video and data is possible in command and control, enabling instant situational awareness. www.thinklogical.com

Tobyhanna Army Depot
Booth 1154
Tobyhanna Army Depot is a recognized leader in providing World-Class Logistics Support for CSISR Systems across the Department of Defense. Tobyhanna’s capabilities include full-spectrum logistics systems integration, system development, overhaul, fabrication and manufacturing, engineering design and development, systems integration, software support, technology insertion and global field support to our warfighters. www.tobyhanna.army.mil

Top Aces
Booth 1109
Top Aces provides Contracted Air Services with the world’s largest privately-owned, operational fleet of advanced fighter aircraft. With over 70,000 accident-free flight hours, our highly-experienced veteran pilots and Fighter Weapons Instructors are trusted by the world’s leading air forces to deliver air combat training to meet tomorrow’s threats. Experience Matters. www.topaces.com

USAA
Booth 645
For over 90 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. Call 800-531-USAA or learn more at usaa.com

Veterans United Home Loans
Booth 1249
Veterans United Home Loans, a dedicated VA lender, financed more than $10.5 billion in 2018. Advantages with the VA Loan: zero down payment and no private mortgage insurance (PMI). Veterans United, a VA-approved lender, is not associated with the Department of Veterans Affairs or any government agency. NMLS #1907. www.veteransunited.com

Walford University
Booth 124
Walford 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 leader, 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 bachelor’s degree within reach. www.walford.edu

Western Carolina University
Booth 149
Western Carolina University is a state support, not for profit, public institution of higher learning. WCU provides more than 115 undergraduate majors and concentrations and more than 40 graduate programs, with a focus on high-demand degrees including a variety of programs in engineering, science, healthcare, education, humanities, business and the arts. WCU offers more than 20 programs completely online, including a Master’s of Project Management, at a cost lower than the military tuition assistance caps for most courses. www.military.wcu.edu

ZMicro
Booth 819
ZMicro is a leading manufacturer of rugged deployable computing and visual solutions. Since 1986 we have been delivering reliable, high-performance MIL-Spec solutions that are custom tailored to perform in environments that require high performance, small size, rugged design and resilience. ZMicro systems include servers, handhelds, data storage, video enhancement, video management resources, and much more. www.zmicro.com
STRENGTH OF PURPOSE

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.

THE ART OF EXCELLENCE™
LIST OF EXHIBITORS

Air Force Families Forever

Air Force Families Forever is the Air Force’s long-term support program for family members who have lost a loved one while serving on active duty at the time of death, to include Guard and Reserve Airmen. Families of fallen Airmen are linked to their Air Force Family promoting Survivor resilience, thereby fostering well-being and connectedness. www.afpc.af.mil/Benefits-and-Entitlements/Air-Force-Families-Forever

Air Force Aid Society

The Air Force Aid Society (AFAS) is the official charity of the U.S. Air Force (USAF) and has been meeting the unique needs of Airmen and their families since 1942. AFAS works to support and enhance the USAF mission by providing emergency financial assistance, educational support, and community programs. Visit www.afas.com to learn more!

Air Force Assistance Fund

The Air Force Assistance Fund (AFAF) is an annual campaign managed by the Air Force (AF) to support the four charities of the Air Force: Air Aid Society, AF Assistance Fund, Village Air Forces Charitable Foundation and the Lemay Foundation. These AF Charities support active duty members, retirees and their families over the course of their lives thus emphasizing “Once an Airman, Always and Airman...www.afaf.us

Air Force Association

The Air Force Association (AFA) is a nonprofit, independent, professional military and aerospace education association promoting the public understanding of aerospace power and the pivotal role it plays in the security of the nation. AFA holds national symposia, publishes Air Force Magazine, and disseminates information through outreach programs. www.afa.org

AT&T Virtual Reality Experience

Visit us to experience virtual reality AT&T style. Compete against your fellow Airmen to be best in show.

Air Force Historical Foundation

Educate our country about the contribution of Air Power to our nation’s defense by disseminating an accurate account of USAF history in our journal, Air Power History; publishing books on USAF issues, including critical decisions made regarding strategy and technology; conducting symposia on major conflicts and epic periods; honoring renowned historical aerospace figures; and recognizing the best historical writing emanating from USAF commissioning and professional military education schools. www.history.af

Air Force Integrated Personnel & Pay System (AFIPPS)

is an enterprise system that will integrate personnel and pay processes for members of the Total Force. By streamlining human resources and financial management processes, AFIPPS will enable accurate and timely delivery of pay entitlements, allowances & benefits, and allow all levels of management to access appropriate information. AFIPPS is the first step of a digital transformation of Air Force talent management. Contact AFPOA.AFIPPS.OCM@us.af.mil or visit at https://www.youtube.com/user/afcpa

Air Force Sergeants Association

AFSA is the nation’s most influential association devoted to the total enlisted forces and their families. Founded in 1961, we represent our 100,000 members by advocating, educating and testifying before Congress, the DoD and the VA. With 7 Divisions & 127 Chapters across the world, we are a global association with a local impact. We Defend those who Defend us – Join the fight for your earned benefits. Join AFSA today. www.hqafsa.org I AirmenAFSA

Air Force Wounded Warrior Program (AFW2)

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. www.woundedwarrior.atmil

Association of Old Crows

With over 13,000 members internationally, the Association of Old Crows is an organization for individuals who have common interests in Electronic Warfare (EW), Electromagnetic Spectrum Management Operations, Cyber Electromagnetic Activities (CEMA), Information Operations (IO), and other information related capabilities. www.crows.org

Blue Skies of Texas/Air Village

Blue Skies of Texas is formerly known as the Air Force Villages. This exceptional community has been a staple in San Antonio for almost 50 years. As a Life Plan Community, we offer a continuum of services to the children who are special to them on military bases and outposts, deployed U.S. Navy ships, U.S. Coast Guard cutters, at selected Armed Services YMCA and VA in-patient clinics, and now on their mobile device with the new, free United Through Reading app. Since its inception, more than 2.4 million military families reconnecting after deployment or injury. www.trident.edu

Civil Air Patrol

Civil Air Patrol is the Auxiliary of the Air Force and a congressionally chartered non-profit. With 660 single-engine aircraft and 64,000 volunteers, it flies missions as a Total Force partner supporting 90% of inland search missions among other critical, non-combatant priorities. Its yearly youth development programs and STEM outreach support thousands of communities. www.gocivilairpatrol.com

DHS, Cybersecurity and Infrastructure Security Agency (CISA)

The DHS Cybersecurity and Infrastructure Security Agency (CISA) leads the national effort to protect and enhance the resilience of the nation’s physical and cyber infrastructures. CISA’s Homeland Security Information Network – Critical Infrastructure (HSIN-CI), enables collaboration among critical infrastructure partners. Services offered through this free portal help build national public-private partnerships, facilitate collaboration and promote security of critical infrastructure assets. Company Website: http://dhs.gov/CISA

Military OneSource

Military OneSource is your 24/7 connection to information, answers and support - your one source for your best MilLife. Our mission is to advance the well-being of active duty, National Guard and reserve military members and their families. Our confidential and respectful counselors manage specialty consultations on topics from financial counseling and tax filing assistance, to special needs support and wound warrior resources. Call 800-342-9647 or visit MilitaryOneSource.mil today!

Missile Defense Agency

The Missile Defense Agency is a research, development, and acquisition agency within the DoD. Our mission is to develop, test, and field an integrated, layered, ballistic missile defense system to defend the U.S., deployed forces, allies, and friends against all ranges of enemy ballistic missiles in all phases of flight. www.mda.mil

Mitchell Institute for Aerospace Studies

The Mitchell Institute for Aerospace Studies is the nation’s only think tank wholly focused on national security aerospace issues. Activities and programs are intended to inform key players in the national security debate, offer original thinking on technology and strategy issues, and educate about aerospace power’s role in securing US interests. To learn more and view all Mitchell publications, visit our website at: MitchellInstitute.org

National Desert Storm War Memorial Association

The National Desert Storm War Memorial is a federally recognized 501 (c) (3) non-profit organization. Our mission is to construct the National Desert Storm and Desert Shield Memorial at 22nd St and Constitution Ave in Washington, D.C. Our goal is to have the Memorial completed by 2021—the 30th anniversary of the war. www.ndswm.org

National Military Family Association

National Military Family Association is the leading nonprofit dedicated to serving the families who stand behind the uniform. Since 1969, NMFA has worked to strengthen and protect millions of families through advocacy and programs. We provide spouse scholarships, camps for military kids, and retreats for families reconnecting after deployment or injury. www.militaryfamily.org

Salesforce

Salesforce transforms the way departments, agencies, and their community of contractors meet the unique demands of today’s constituent and more effectively deliver on their mission. With the innovation of the Customer 360 for Government, Salesforce is helping government strengthen public trust. The FedRAMP-authorized Salesforce Government Cloud - the world’s #1 enterprise cloud, built for government – gives stakeholders the mobile, self-service tools they need to connect data, process, and people while also reducing the risk, cost, and complexity of traditional IT. Salesforce’s trusted cloud accelerates transformation to rapidly deploy solutions with a multi-tenant cloud infrastructure that meets all security and compliance requirements. www.Salesforce.com/government

Tragedy Assistance Program for Survivors (TAPS)

The Tragedy Assistance Program for Survivors (TAPS) offers compassionate care to all those grieving the death of a military loved one. Since 1994, TAPS has provided comfort and hope through the national military survivor helpline available 24/7, our national peer support network, casework assistance, grief camps for children, retreats and survivor seminars for adults, and connections to unlimited local grief resources, all at no cost to the survivor. www.taps.org

Trident University

Air Force Association (AFA) has partnered with Trident University to offer all AFA members educational opportunities through exceptional service and affordable, flexible, high quality, innovative academic programs. Through its regionally accredited associates, bachelors, masters, and doctoral programs, Trident University can help you meet your personal and professional goals. SCHOLARSHIPS AVAILABLE! www.trident.edu

United Through Reading

United Through Reading is a non-profit 501(c)(3) public benefit organization founded 30 years ago. UTR’s mission is to unite military families facing physical separation by facilitating the bonding experience of reading aloud. At more than 200 recording locations worldwide, service members can read to the children who are special to them on military bases and outposts, deployed U.S. Navy ships, U.S. Coast Guard cutters, at selected Armed Services YMCA and VA in-patient clinics, and now on their mobile device with the new, free United Through Reading app. Since its inception, more than 2.4 million military parents, spouses, and children have benefitted from the program. www.utor.org

Wounded Warrior Project

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. For more information visit: www.woundedwarriorproject.org

For more information on any AFA conference and exposition or to become a sponsor at any AFA event please contact: Fred Ullman
email: Fullman@afa.org phone: 703-247-5842
At USAA, the same values that guide our military inspire us to go above and beyond for our members. When you join USAA, you’ll be part of an organization where we have everything you need to make your membership a lifelong bond.

JOIN USAA TODAY.
CALL 877-618-2473 OR VISIT USAA.COM/AFA

USAA means United Services Automobile Association and its affiliates. Use of the term "member" or "membership" refers to membership in USAA Membership Services and does not convey any legal or ownership rights in USAA. Restrictions apply and are subject to change. No Department of Defense or government agency endorsement. Air Force Association receives financial support from USAA for this sponsorship. © 2019 USAA. 257612-0119-AFA
EXPANDING THE COMPETITIVE EDGE
<table>
<thead>
<tr>
<th>TIME</th>
<th>LOCATION</th>
<th>EVENT / SPEAKER</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 a.m. - 6:00 p.m.</td>
<td>AFA Registration Desk</td>
<td>Registration</td>
</tr>
<tr>
<td><strong>Saturday, September 14, 2019</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:00 a.m. - 6:00 p.m.</td>
<td>AFA Registration Desk</td>
<td>Registration</td>
</tr>
<tr>
<td><strong>Sunday, September 15, 2019</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6:00 a.m. - 7:30 p.m.</td>
<td>AFA Registration Desk</td>
<td>Registration</td>
</tr>
<tr>
<td>9:00 a.m. - 9:10 a.m.</td>
<td>Potomac A/B</td>
<td>Welcome Remarks</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The Honorable F. Whitten Peters, AFA Chairman of the Board</td>
</tr>
<tr>
<td>9:10 a.m. - 9:50 a.m.</td>
<td>Potomac A/B</td>
<td>Keynote</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sir Richard Branson, Founder, Virgin Group</td>
</tr>
<tr>
<td>9:55 a.m. - 11:10 a.m.</td>
<td>Potomac A/B</td>
<td>Awards Ceremony</td>
</tr>
<tr>
<td>11:10 a.m. - 11:15 a.m.</td>
<td>Potomac A/B</td>
<td>Ribbon Cutting Ceremony</td>
</tr>
<tr>
<td>11:15 a.m. - 4:00 p.m.</td>
<td>Exhibit Hall CDE</td>
<td>Technology Exposition Open</td>
</tr>
<tr>
<td>11:15 a.m. - 1:00 p.m.</td>
<td>Exhibit Hall CDE</td>
<td>Lunch Break</td>
</tr>
<tr>
<td>1:00 p.m. - 1:45 p.m.</td>
<td>Potomac A/B</td>
<td>State of the Force</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The Honorable Matthew P. Donovan, Acting Secretary of the Air Force</td>
</tr>
<tr>
<td>1:55 p.m. - 2:40 p.m.</td>
<td>Potomac A/B</td>
<td>Faster, Smarter, Bolder: Big Bets to Achieve the NDS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Will Roper, Assistant Secretary of the Air Force for Acquisition, Technology and Logistics</td>
</tr>
<tr>
<td>1:55 p.m. - 2:40 p.m.</td>
<td>Potomac C</td>
<td>Panel: Preparing the Enlisted Force for the Future Fight</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CMSgt Anthony Johnson, Command Chief, Pacific Air Forces</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CMSgt Dong H. Kim, Aircraft Systems Career Field Manager</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CMSgt Sonia T. Lee, Command Chief, Air Force Recruiting Service</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CMSgt Kimberly S. Vinson, Chief, Chiefs’ Group</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CMSgt Tim White, Senior Enlisted Advisor to the Chief of Air Force Reserve</td>
</tr>
<tr>
<td>1:55 p.m. - 2:40 p.m.</td>
<td>Potomac D</td>
<td>Panel: Restoring America’s Military Competitiveness: Mosaic Warfare</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lt Gen William J. Bender, USAF (Ret.), Senior Vice President, Strategic Account Executive/ Government Relations, Leidos</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Brig Gen S. Clinton Hinote, Deputy Director, Air Force Warfighting Integration Capability</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lt Col Dan Javorscek, Strategic Technology Office Program Manager, DARPA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dan Patt, CEO, Vecna Robotics; Sr. Fellow, Center for Strategic and Budgetary Assessments</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Heather Penney, Senior Resident Fellow, Mitchell Institute for Aerospace Studies</td>
</tr>
<tr>
<td>2:40 p.m. - 3:40 p.m.</td>
<td>Exhibit Hall CDE</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>3:40 p.m. - 4:25 p.m.</td>
<td>Potomac A/B</td>
<td>Space Power: Warfighting in Space to Win on Earth</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Gen John W. “Jay” Raymond, Commander, Air Force Space Command</td>
</tr>
<tr>
<td>3:40 p.m. - 4:25 p.m.</td>
<td>Potomac C</td>
<td>Panel: The Competitive Edge Only Small Business Can Deliver</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ulick McEvaddy, Founder and Director, Omega Air</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Brian Romansky, CTO, Owl Cyber Defense</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ryan Smith, President and CEO, IMSAR LLC</td>
</tr>
<tr>
<td>3:40 p.m. - 4:25 p.m.</td>
<td>Potomac D</td>
<td>Panel: Civilian Professional Development</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Timothy K. Bridges, Assistant Deputy Chief of Staff for Logistics, Engineering and Force Protection</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Gwendolyn R. DeFilippi, Assistant Deputy Chief of Staff for Manpower, Personnel and Services</td>
</tr>
<tr>
<td></td>
<td></td>
<td>John A. Fedrigo, Principal Deputy Assistant Secretary of the Air Force for Manpower and Reserve Affairs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lynda T. Rutledge, Program Executive Officer Mobility and Training Aircraft</td>
</tr>
<tr>
<td>TIME</td>
<td>LOCATION</td>
<td>EVENT / SPEAKER</td>
</tr>
<tr>
<td>------------------</td>
<td>---------------------------</td>
<td>--------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Monday, September 16, 2019 (continued)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:45 p.m. - 7:15 p.m.</td>
<td>Exhibit Hall CDE</td>
<td>Outstanding Airmen of the Year Reception <em>(Ticket Required)</em></td>
</tr>
<tr>
<td>7:30 p.m. - 10:00 p.m.</td>
<td>Potomac A/B</td>
<td>Outstanding Airmen of the Year Dinner <em>(Ticket Required)</em></td>
</tr>
<tr>
<td>Tuesday, September 17, 2019</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:30 a.m. - 5:00 p.m.</td>
<td>AFA Registration Desk</td>
<td>Registration</td>
</tr>
<tr>
<td>9:00 a.m. - 9:45 a.m.</td>
<td>Potomac A/B</td>
<td><strong>Panel: Demystifying Multi-Domain Command and Control</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Brig Gen David J. Kumashiro, Director, Joint Force Integration and Lead,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Multi-Domain Command and Control CFT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chris Brose, Head of Strategy, Anduril Industries</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Preston Dunlap, Chief Architect, U.S. Air Force (Acquisition, Technology and Logistics)</td>
</tr>
<tr>
<td>9:00 a.m. - 9:45 a.m.</td>
<td>Potomac C</td>
<td><strong>Panel: Improving the Warfighter and Industry Partnership</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lt Gen Wendy M. Masiello, USAF (Ret), President, Wendy Mas Consulting LLC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lt Gen Duke Z. Richardson, Military Deputy, Office of the Assistant Secretary of the</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Air Force for Acquisition, Technology, and Logistics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maj Gen Robert F. Behler, USAF (Ret), Director of Operational Test and Evaluation, DOD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Roger A. Krone, Chairman and Chief Executive Officer, Leidos</td>
</tr>
<tr>
<td>9:00 a.m. - 9:45 a.m.</td>
<td>Potomac D</td>
<td><strong>Panel: Family Resilience</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lt Col Daniel L. Wester, Commander, 28th Maintenance Squadron, 28th Bomb Wing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MSgt Craig A. Dicks, First Sergeant, 28th Maintenance Squadron</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Linda K. Ambard, Kadena Air Force Base Community Support Coordinator</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chelsey Mastalski, Key Spouse, 28th Maintenance Squadron</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Katelyn Tinsley, Air Force Spouse of the Year, Founder, Homefront Room Revival</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Natasha Williams, 96th Security Forces Key Spouse</td>
</tr>
<tr>
<td>9:30 a.m. - 4:00 p.m.</td>
<td>Exhibit Hall CDE</td>
<td>Technology Exposition Open</td>
</tr>
<tr>
<td>9:45 a.m. - 10:45 a.m.</td>
<td>Exhibit Hall CDE</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>10:45 a.m. - 11:45 a.m.</td>
<td>Potomac A/B</td>
<td><strong>Air Force Update</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>General David L. Goldfein, Chief of Staff of the Air Force</td>
</tr>
<tr>
<td>11:45 a.m. - 1:15 p.m.</td>
<td>Exhibit Hall CDE</td>
<td>Lunch Break</td>
</tr>
<tr>
<td>1:15 p.m. - 2:00 p.m.</td>
<td>Potomac A/B</td>
<td><strong>Panel: The Threat and the Strategy</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Gen Stephen W. “Seve” Wilson, Vice Chief of Staff of the Air Force</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elbridge Colby, Principal, The Marathon Initiative</td>
</tr>
<tr>
<td>1:15 p.m. - 2:00 p.m.</td>
<td>Potomac C</td>
<td><strong>Panel: Book Discussion: Perspectives on Leadership</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Deborah Lee James, 23rd Secretary of the Air Force and</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Author, Aim High: Chart Your Course and Find Success</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maj Gen Donald Shepperd, USAF (Ret.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Author, Bury Us Upside Down</td>
</tr>
<tr>
<td>1:15 p.m. - 2:00 p.m.</td>
<td>Potomac D</td>
<td><strong>Panel: Healing Arts Therapy</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wesley Geer, Founder &amp; CEO, Rock to Recovery</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BJ Lange, Applied Improv Comedy Coach, AFW2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Abigail Selby, Music Therapist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Melissa S. Walker, MA, ATR, Lead Art Therapist, NEA Creative Forces Healing Arts</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Program Coordinator, NICOE/WRNMMC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Allison F. Winters Fisher, PhD, BC-DMT, E-RYT, Wellness Coordinator National Intrepid</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Center of Excellence</td>
</tr>
</tbody>
</table>
## SCHEDULE OF EVENTS

<table>
<thead>
<tr>
<th>TIME</th>
<th>LOCATION</th>
<th>EVENT / SPEAKER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tuesday, September 17, 2019 (continued)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:10 p.m. - 2:55 p.m.</td>
<td>Potomac A/B</td>
<td><strong>Air Force Town Hall</strong>&lt;br&gt;The Honorable Matthew P. Donovan, Acting Secretary of the Air Force&lt;br&gt;Gen David L. Goldfein, Chief of Staff of the Air Force&lt;br&gt;Dawn Goldfein, Spouse of the Chief of Staff of the Air Force&lt;br&gt;CMSAF Kaleth O. Wright, Chief Master Sergeant of the Air Force&lt;br&gt;Tonya Wright, Spouse of the Chief Master Sergeant of the Air Force</td>
</tr>
<tr>
<td>2:55 p.m. - 3:55 p.m.</td>
<td>Exhibit Hall CDE</td>
<td><strong>Coffee Break</strong>&lt;br&gt;Sponsored by DynCorp International</td>
</tr>
<tr>
<td>3:55 p.m. - 4:40 p.m.</td>
<td>Potomac A/B</td>
<td><strong>Global Strike – The Critical Competitive Edge</strong>&lt;br&gt;Gen Timothy M. Ray, Commander, Air Force Global Strike Command and Commander, Air Forces Strategic - Air, U.S. Strategic Command</td>
</tr>
<tr>
<td>3:55 p.m. - 4:40 p.m.</td>
<td>Potomac C</td>
<td><strong>Panel: Expanding the Competitive Airlift Edge</strong>&lt;br&gt;Gen Maryanne Miller, Commander, Air Mobility Command&lt;br&gt;Maj Gen Mark Camerer, Director of Strategic Plans, Requirements and Programs, Headquarters Air Mobility Command&lt;br&gt;David L. Lange, Jr., Managing Director, Aircraft Charter Operations, Air Operations, FedEx Express</td>
</tr>
<tr>
<td>3:55 p.m. - 4:40 p.m.</td>
<td>Potomac D</td>
<td><strong>Panel: Maritime Strike</strong>&lt;br&gt;Gen Charles Q. Brown Jr., Commander, Pacific Air Forces and Air Component Commander for United States Indo-Pacific Command&lt;br&gt;Lt Gen Thomas A. Bussiere, Commander, Alaskan North American Aerospace Defense Command Region; Alaskan Command; Eleventh Air Force&lt;br&gt;Lt Gen Dave Deptula, USAF (Ret.), Dean, Mitchell Institute for Aerospace Studies&lt;br&gt;Harry Foster, Vice President, Telemus Group&lt;br&gt;Christopher J. Pehrson, Vice President, Strategic Development, General Atomics Aeronautical Systems, Inc.</td>
</tr>
<tr>
<td><strong>Wednesday, September 18, 2019</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:30 a.m. - 7:30 p.m.</td>
<td>AFA Registration Desk</td>
<td><strong>Registration</strong></td>
</tr>
<tr>
<td>8:30 a.m. - 9:15 a.m.</td>
<td>Potomac A/B</td>
<td><strong>Address from the Secretary of Defense</strong>&lt;br&gt;The Honorable Mark T. Esper, Secretary of Defense</td>
</tr>
<tr>
<td>9:00 a.m. - 4:00 p.m.</td>
<td>Exhibit Hall CDE</td>
<td><strong>Technology Exposition Open</strong></td>
</tr>
<tr>
<td>9:15 a.m. - 10:15 a.m.</td>
<td>Exhibit Hall CDE</td>
<td><strong>Coffee Break</strong></td>
</tr>
<tr>
<td>10:15 a.m. - 11:15 a.m.</td>
<td>Potomac A/B</td>
<td><strong>Connecting Airmen To The Fight: Leading with Purpose</strong>&lt;br&gt;CMSAF Kaleth O. Wright, Chief Master Sergeant of the Air Force</td>
</tr>
<tr>
<td>11:15 a.m. - 1:00 p.m.</td>
<td>Exhibit Hall CDE</td>
<td><strong>Lunch Break</strong></td>
</tr>
<tr>
<td>1:00 p.m. - 1:45 p.m.</td>
<td>Potomac A/B</td>
<td><strong>Panel: Cyber Effects in the MDO Environment</strong>&lt;br&gt;Lt Gen VeraLinn &quot;Dash&quot; Jamieson, Deputy Chief of Staff for Intelligence, Surveillance, Reconnaissance and Cyber Effects Operations&lt;br&gt;Maj Gen Timothy D. Haugh, Commander, Cyber National Mission Force&lt;br&gt;Maj Gen Mary F. O’Brien, Commander, Twenty-fifth Air Force&lt;br&gt;Brig Gen David M. Gaedecke, Director, Cyberspace Operations and Warfighter Communication, Office of the Deputy Chief of Staff for Intelligence, Surveillance, Reconnaissance and Cyber Effects Operations&lt;br&gt;Dr. David Brumley, CEO, ForAllSecure</td>
</tr>
<tr>
<td>TIME</td>
<td>LOCATION</td>
<td>EVENT / SPEAKER</td>
</tr>
<tr>
<td>--------------</td>
<td>----------</td>
<td>---------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| 1:00 p.m. - 1:45 p.m. | Potomac C | **Panel: Expanding our Competitive Edge**  
Gen Arnold W. Bunch, Jr., Commander, Air Force Materiel Command  
Andrew Builta, Director, Fixed Wing Programs, Phantom Works, Boeing Defense, Space & Security  
Erin Moseley, Vice President, Aeronautics Strategy & Business Development, Lockheed Martin Aeronautics Company  
Brig Gen Richard S. Stapp, USAF (Ret), Sector Vice President of Resiliency & Rapid Prototyping, Northrop Grumman Aerospace Systems |
| 1:55 p.m. - 2:40 p.m. | Potomac A/B | **Panel: Forward Power Projection in the 21st Century**  
Gen Charles Q. Brown Jr., Commander, Pacific Air Forces and Air Component Commander for United States Indo-Pacific Command  
Gen Jeffrey L. Harrigian, Commander, U.S. Air Forces in Europe; Commander, U.S. Air Forces Africa; Commander, Allied Air Command  
Gen James M. Holmes, Commander, Air Combat Command  
Gen Timothy M. Ray, Commander, Air Force Global Strike Command and Commander, Air Forces Strategic - Air, U.S. Strategic Command  
Lt Gen James C. Slife, Commander, Air Force Special Operations Command |
| 1:55 p.m. - 2:40 p.m. | Potomac C | **First Sergeant Panel: Taking Care of the Force**  
CMSgt Nathaniel M. Perry, Jr., Commandant, United States Air Force First Sergeant Academy  
SMSgt Latonia L. Booze, First Sergeant, 11th Civil Engineer Squadron  
MSgt Emily R. Mandarich, First Sergeant, 34th Intelligence Squadron  
MSgt Shaun Spencer, USAF Honor Guard First Sergeant |
| 2:40 p.m. - 3:40 p.m. | Exhibit Hall CDE | Coffee Break |
| 3:40 p.m. - 4:25 p.m. | Potomac A/B | **Panel: Air Force Talent Management Update**  
Lt Gen Brian T. Kelly, Deputy Chief of Staff for Manpower, Personnel and Services  
Col Jason B. "Ned Stark" Lamb, Director of Intelligence, Analysis, and Innovation, Headquarters, Air Education and Training Command |
| 3:40 p.m. - 4:25 p.m. | Potomac C | **Panel: Using the Competitive Edge to Train How We Fight**  
Lt Gen L. Scott Rice, Director, Air National Guard  
Lt Gen Richard W. Scobee, Chief of Air Force Reserve, Headquarters U.S. Air Force and Commander, Air Force Reserve Command  
Lt Gen Marshall B. "Brad" Webb, Commander, Air Education and Training Command |
| 3:40 p.m. - 4:25 p.m. | Potomac D | **Panel: Toward Future Air Force Warfighting Concepts and Capabilities**  
Lt Gen Thomas A. Bussiere, Commander, Alaskan North American Aerospace Defense Command Region; Alaskan Command; Eleventh Air Force  
Maj Gen Michael A. Fantini, Director, Air Force Warfighting Integration Capability  
Col Parker H. Wright, Commander National Air and Space Intelligence Center  
Mark Gunzinger, Director for Government Programs and Wargaming, Mitchell Institute for Aerospace Studies |
| 6:00 p.m. - 7:15 p.m. | Exhibit Hall CDE | AFA's Air Force Birthday Reception (Ticket Required) |
| 7:30 p.m. - 10:00 p.m. | Potomac A/B | AFA's Air Force Birthday Dinner (Ticket Required) |
Linda K. Ambard  
*Kadena Air Force Base Community Support Coordinator*  
Ambard is responsible for resiliency, procoping strategies, and collaborating with the helping agencies to decrease negative trends and increase the positive trends in the base population to include military, civilians, families, and local national workers.

Maj Gen Robert F. Behler, USAF (Ret.)  
*Director, Operational Test and Evaluation*  
Behler is a Presidential appointee confirmed by the United States Senate, who serves as the senior advisor to the Secretary of Defense and Congress on operational and live fire test and evaluation for Department of Defense weapon systems.

Lt Gen William J. Bender, USAF (Ret.)  
*Senior Vice President, Strategic Account Executive/Government Relations, Leidos*  
Bender is responsible for strengthening and advancing trusted relationships with customers and advancing strategic initiatives to foster organic growth.

SMSgt Latonia L. Booze  
*First Sergeant, 11th Civil Engineer Squadron*  
Sergeant Booze serves as the key enlisted advisor to the Commander on matters concerning the welfare, career progression, and mission readiness of more than 500 military and civilian engineers.

Sir Richard Branson  
*Founder Virgin Group*  
Branson is the founder of the Virgin Group, comprised of more than 60 companies employing approximately 71,000 people in 35 countries, including space companies Virgin Orbit, Virgin Galactic, The SpaceShip Company and VOX Space.

Timothy K. Bridges  
*Assistant Deputy Chief of Staff for Logistics, Engineering and Force Protection*  
Bridges is responsible to the Chief of Staff for leadership, management and integration of Air Force civil engineering, force protection, logistics readiness, supply, transportation, and aircraft and missile maintenance.

Chris Brose  
*Head of Strategy, Anduril Industries*  
Brose is responsible for prioritizing business investments and positioning Anduril to build technologies that solve the most important defense problems.

Gen Charles Q. Brown Jr.  
*Commander, Pacific Air Forces and Air Component Commander for United States Indo-Pacific Command*  
Brown 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, Korea, Hawaii, Alaska, and Guam.

Dr. David Brumley  
*CEO, ForAllSecure*  
Brumley co-founded ForAllSecure with the mission to secure the world’s critical software. In 2016, ForAllSecure went on to win the DARPA Cyber Grand Challenge with Mayhem, ForAllSecure’s autonomous cyber security system.

Andrew Builta  
*Director, Fixed Wing Programs, Phantom Works, Boeing Defense, Space & Security*  
Builta leads teams that develop advanced tactical and mobility aircraft, and is responsible for assessing and maturing leading-edge technologies for new products.

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.

Lt Gen Thomas A. Bussiere  
*Commander, Alaskan North American Aerospace Defense Command Region; Alaskan Command; Eleventh Air Force*  
Bussiere is the senior military officer in Alaska, responsible for maintaining effective surveillance, monitoring and defense of the region’s airspace, synchronizing all military activities in the Alaskan joint operations area located in Alaska, Hawaii, and Guam.
To ensure an efficient and enjoyable experience for the reader of this program guide, we’ve listed the following speakers in alphabetical order, regardless of rank.

Elbridge Colby  
Principal, The Marathon Initiative  
Colby is a Principal at The Marathon Initiative. From 2017-2018 he served as Deputy Assistant Secretary of Defense for Strategy and Force Development and as lead official in the development and rollout of the 2018 National Defense Strategy.

Gwendolyn R. DeFilippi  
Assistant Deputy Chief of Staff for Manpower, Personnel and Services  
DeFilippi is responsible for comprehensive plans and policies covering all life cycles of military and civilian personnel management, including military end strength and civilian work-year execution, education and training, compensation and resource allocation.

Lt Gen David A. Deptula, USAF (Ret.)  
Dean, AFA’s Mitchell Institute for Aerospace Studies  
Deptula is a recognized leader and pioneer in conceptualizing, planning and executing national security operations.

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.

Maj Gen Michael A. Fantini  
Director, Air Force Warfighting Integration Capability  
Fantini leads advanced efforts for design, integration and capability development across the Total Force.

John A. Fedrigo  
Principal Deputy Assistant Secretary of the Air Force for Manpower and Reserve Affairs  
Fedrigo acts for and assists in executing the responsibilities of the Assistant Secretary in the supervision of manpower, military and civilian personnel, Reserve component affairs, and readiness support for the Department of the Air Force.

Harry Foster  
Vice President, Telemus Group  
Specializing in defense forecasting, wargaming and quantitative analysis, Foster previously served as the Director of the Air Force Blue Horizons Program at Air University. A former Air Force officer, he served as a strategist and combat experienced instructor-pilot in the F-16, B-2, and B-1.

Brig Gen David M. Gaedecke  
Director, Electromagnetic Spectrum Superiority, Deputy Chief of Staff for Strategy, Integration and Requirements  
Gaedecke is responsible for gaining and maintaining EMS and electronic warfare superiority across all Air Force core functions.

Wesley Geer  
Founder & CEO, Rock to Recovery  
After retiring as touring guitarist with the band Korn, Geer founded Rock to Recovery, a program which brings the healing power of music to more than 100 facilities in the USA and to the Air Force Wounded Warrior (AFW2) program.

Preston Dunlap  
Chief Architect, U.S. Air Force Acquisition, Technology and Logistics  
Dunlap is the first Chief Architect of the Air Force; he designs and develops future capabilities today by shaping and leveraging defense and commercial innovation across every domain.

The Honorable Matthew P. Donovan  
Acting Secretary of the Air Force  
Donovan is responsible for the affairs of the Department of the Air Force, including the organizing, training and equipping, and providing for the welfare of 685,000 active-duty, Guard, Reserve, and civilian forces as well as their families.

The Honorable Matthew P. Donovan  
Acting Secretary of the Air Force  
Donovan is responsible for the affairs of the Department of the Air Force, including the organizing, training and equipping, and providing for the welfare of 685,000 active-duty, Guard, Reserve, and civilian forces as well as their families.

MSgt Craig A. Dicks  
First Sergeant, 28th Maintenance Squadron  
As First Sergeant, Dicks is responsible for over 472 Active Duty personnel. He advises the commander on all matters concerning, morale, welfare, quality of life, professional development and discipline.
SPEAKER BIOGRAPHIES

Gen James M. Holmes
Commander, Air Combat Command
Holmes is responsible for organizing, training, equipping and maintaining combat-ready air, space, cyber and intelligence forces for rapid deployment and employment while ensuring strategic air defense forces are ready to meet the challenges of peacetime air sovereignty and wartime defense.

Lt Col Dan "Animal" Javorsek, Ph.D.
DARPA Program Manager, Strategic Technology Office
Javorsek is a program manager for DARPA's Strategic Technology Office, with squadron command and extensive flight test and engineering experience in several different stealth and combat fighter aircraft.

Gen Jeffrey L. Harrigian
Commander, U.S. Air Forces in Europe; Commander, U.S. Air Forces Africa; Commander, Allied Air Command
Harrigian is responsible for the air and missile defense of 29 NATO Alliance member nations while commanding U.S. airpower across 104 countries in Europe, Africa, Asia and the Middle East, the Arctic, Atlantic, and Indian Oceans.

Maj Gen Timothy D. Haugh
Commander, Cyber National Mission Force
Haugh serves as the Defend the Nation lead for the Commander, U.S. Cyber Command. He coordinates the prevention and response to cyber incidents and campaigns perpetrated by threat actors in order to preserve United States critical infrastructure and key resources.

Brig Gen S. Clinton Hinote
Deputy Director, Air Force Warfighting Integration Capability
Hinote supports the Director in leading advanced efforts for design, integration and capability development across the Total Force.

Deborah Lee James
23rd Secretary of the Air Force
James, 23rd Secretary of the Air Force, business leader and board member, is the author of Aims: High Chart Your Course and Find Success, a book that shares leadership lessons and strategies for problem solving with case studies from her years leading the Air Force.

Gen David L. Goldfein
Chief of Staff of the Air Force
Goldfein serves as the senior uniformed Air Force officer responsible for the organization, training, and equipping of 670,000 Active Duty, Guard, Reserve, and civilian forces serving in the U.S. and overseas.

Dawn Goldfein
Spouse of the Chief of Staff of the Air Force
Goldfein has accompanied her husband on 19 assignments around the globe. She supports military families through her service to Military Child Education Coalition, the Ambassador Committee for Easter Seals, the Transition Assistance Program for Survivors, and the Air Force Officers’ Spouses’ Club.

Mark Gunzinger
Director of Future Aerospace Concepts and Capability Assessments, Mitchell Institute for Aerospace Studies
Gunzinger's studies have focused on future directed energy capabilities, operational concepts and technologies needed to maintain the U.S. military's dominance in the electromagnetic spectrum; and concepts and capabilities to create advantages in precision strike competitions with China, Russia, and Iran.

Lt Gen VeraLinn “Dash” Jamieson
Deputy Chief of Staff, Intelligence, Surveillance, Reconnaissance and Cyber Effects Operations
Jamieson is the deputy chief of staff for Air Force intelligence, surveillance and reconnaissance and cyber effects operations where she supports a 73,000-person intelligence and cyber operations enterprise with a portfolio valued at $72 billion across the Air Force.

Lt Col Dan "Animal" Javorsek, Ph.D.
DARPA Program Manager, Strategic Technology Office
Javorsek is a program manager for DARPA’s Strategic Technology Office, with squadron command and extensive flight test and engineering experience in several different stealth and combat fighter aircraft.

CMSgt Anthony W. Johnson
Command Chief, Pacific Air Forces
Johnson leads the 45,000 Total Force enlisted members in the Pacific where his responsibilities include advising the PACAF Commander on all matters affecting the readiness, training, professional development and effective utilization of assigned personnel.

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.
SEE THROUGH THE WORST CONDITIONS

The vision for greater terrain awareness

When your mobility mission is no fail, own the night with Collins Aerospace’s Head-up Guidance System (HGS™) with Enhanced Vision System (EVS). See through adverse weather conditions and passively identify terrain obstacles for unprecedented situational awareness and mission success. Our proven HGS and EVS products are ready today to support the tactical airlift mission.

collinsaerospace.com/hvs

HEAD-UP GUIDANCE SYSTEM WITH ENHANCED VISION

• Improves safety with greater situational and aircraft-state awareness
• Enables low-visibility operations and objective area identification
• Now certifying aircraft to descend below DA/DH approach minimums
SPEAKER BIOGRAPHIES

**CMSgt Dong H. Kim**  
Aircraft Systems Career Field Manager  
Kim is responsible for providing leadership and developing maintenance management policies and procedures affecting readiness, morale, and welfare of maintenance personnel assigned to 11 career field specialties.

**Roger A. Krone**  
Chairman and Chief Executive Officer, Leidos  
Krone manages approximately $10 billion in annual revenue and 32,000 employees worldwide at Leidos. Prior to his current role he has held leadership roles at some of the most prominent organizations in aerospace for nearly 40 years.

**Brig Gen David J. Kumashiro**  
Director, Joint Force Integration and Lead, Multi-Domain Command and Control CFT  
Kumashiro leads the Air Force’s Multi-Domain Command and Control cross-functional team which will develop the capabilities we need to meet our future force design.

**Col Jason B. Lamb**  
Director of Intelligence, Analysis, and Innovation  
Headsquarters, Air Education and Training Command  
Lamb is a career intelligence professional who is a director on the Headquarters Air Education and Training Command staff, but best known for writing a series of articles and op-eds about leadership, values, and promotion in the Air Force under the pseudonym “Ned Stark.”

**BJ Lange**  
Applied Improv Comedy Coach, AFW2  
Retired USAF medic BJ Lange is an actor, comedian and TV Host (MTV, Comedy Central, Jimmy Kimmel Live) and 2x testicular cancer survivor who pulls from his career as a graduate and performer of Upright Citizens Brigade Theater, IO West Theatre and The Second City Hollywood Conservatory.

**CMSgt Sonia T. Lee**  
Command Chief, Air Force Recruiting Service  
CMSgt Lee oversees more than 2,800 Airmen and civilians and approximately 1,040 recruiting offices across the U.S and abroad. She is responsible for all enlisted accessions and a variety of officer accession programs.

**MSgt Emily R. Mandarich**  
First Sergeant, 34th Intelligence Squadron  
MSgt Mandarich is a key advisor to the Commander on health, morale, welfare, and good order and discipline for 450 Airmen conducting national intelligence, surveillance, and reconnaissance missions.

**Lt Gen Wendy M. Masiello, USAF (Ret)**  
President, Wendy Mas Consulting LLC  
Masiello continues service as an acquisition and contracting consulting, an advisor on various Senior Advisory Councils, and a Director on Boards of KBR, Inc, EURPAC Services, Procurement Round Table and National Contract Management Association.

**Chelsey Mastalski**  
Key Spouse, 28th Maintenance Squadron, Outdoor Recreation Manager, 28th Force Support Squadron  
Mastalski is responsible for supporting mission readiness through expertly managed outdoor recreation programs and facilities delivering recreational and leisure activities to over 3,000 Airmen and their families.

**Mess McEvaddy**  
Founder and Director, Omega Air  
McEvaddy launched Omega Air, a U.S. corporation specializing in the operation, maintenance, and modification of B-707 and DC-10 aircraft which remains the world’s only commercial provider of contract air-to-air refueling services after more than 19 years of service.

**Gen Maryanne Miller**  
Commander, Air Mobility Command  
As the Air Component Commander for U.S. Transportation Command, Miller is responsible for providing responsive and flexible airlift, air refueling, aeromedical evacuation and air mobility support to meet joint force mission and sustainment requirements in support of national objectives.

**Erin Moseley**  
Vice President, Strategy and Business Development, Lockheed Martin Aeronautics  
Moseley is responsible for domestic and international pursuits, leading new business captures for the Aeronautics portfolio, including fifth-generation tactical aircraft, air mobility, unmanned and intelligence/surveillance/reconnaissance platforms at Lockheed Martin’s Skunk Works®.
The Rolls-Royce F130 brings a reliable and combat-proven engine to the B-52 Engine Replacement Program. With over 22 million flight hours in the family of engines, the F130 is already in the US Air Force fleet with over 200,000 combat hours. F130 engines for the B-52 will be digitally engineered, manufactured, assembled and tested in the US, at Rolls-Royce North America. The perfect fit for the B-52.

www.newB-52engines.com
SPEAKER BIOGRAPHIES

Lt Gen Duke Z. Richardson
Military Deputy, Office of the Assistant Secretary of the Air Force for Acquisition, Technology, and Logistics
Richardson is responsible for research and development, test, production, product support, and modernization of Air Force programs worth more than $60 billion annually.

Brain Romansky
CTO, Owl Cyber Defense
Brian Romansky is an innovation leader and the CTO at Owl Cyber Defense where he applies his experience in developing and deploying cybersecurity technology in military, transportation, healthcare, and financial services markets to shape next-generation security products and services.

Lynda T. Rutledge
Program Executive Officer Mobility and Training Aircraft
Rutledge is Program Executive Officer for USAF Mobility and Training Aircraft. She manages activities of over 1700 personnel, executing a portfolio in excess of $25 Billion.

Gen John W. “Jay” Raymond
Commander, Air Force Space Command
Raymond is responsible for organizing, training, equipping and maintaining mission-ready space forces and capabilities for NORAD, STRATCOM and other combatant commands around the world.

Daniel Patt
CEO, Vecna Robotics, Senior Fellow, Center for Strategic and Budgetary Assessments
Patt is a technologist and strategist specializing in the intersection of society and automation, and was previously Deputy Director of DARPA’s Strategic Technology Office and lead for the Department of Defense’s 2018 Modernization initiative.

Christopher J. Pehrson
Vice President, Strategic Development, General Atomics Aeronautical Systems, Inc.
Pehrson develops business strategy and leads a team of business development professionals to promote the company’s full line of remotely piloted aircraft and sensor payloads to the Department of Defense and other U.S. Government customers.

Dr. Will Roper
Assistant Secretary of the Air Force for Acquisition, Technology, and Logistics
Roper is responsible for research and development, test, production, product support, and modernization of Air Force programs worth more than $60 billion annually.

Maj Gen Mary F. O’Brien
Commander, Twenty-fifth Air Force
O’Brien is responsible for more than 29,000 personnel conducting worldwide operations. Twenty-fifth Air Force Airmen deliver multisource intelligence, surveillance and reconnaissance products, applications, capabilities and resources.

Lynda T. Rutledge
Program Executive Officer Mobility and Training Aircraft
Rutledge is Program Executive Officer for USAF Mobility and Training Aircraft. She manages activities of over 1700 personnel, executing a portfolio in excess of $25 Billion.

Gen Timothy M. Ray
Commander, Air Force Global Strike Command and Commander, Air Forces Strategic - Air, U.S. Strategic Command
Ray is responsible for the nation’s intercontinental ballistic missile fleet and bomber force, conducting activities relating to strategic deterrence, global strike and combat support to combatant commands and organizations within the nuclear enterprise.

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 Barnes Center for Enlisted Education on the development, education and training of over 700 newly selected first sergeants per year.

Heather Penney
Senior Resident Fellow, Mitchell Institute for Aerospace Studies
Penney is a senior resident fellow for the Mitchell Institute for Aerospace Studies, where she conducts extensive research on cutting-edge defense policy with a focus on the leveraging the critical advantage that only aerospace power affords.

Lt Gen L. Scott Rice
Director, Air National Guard
Rice is responsible for formulating, developing and coordinating all policies, plans and programs affecting more than 107,100 Guard members and civilians in 90 wings, 11 centers, and 185 geographically separated units across 213 locations throughout the 50 States, the District of Columbia, Puerto Rico, Guam and the Virgin Islands.

Gen Timothy M. Ray
Commander, Air Force Global Strike Command and Commander, Air Forces Strategic - Air, U.S. Strategic Command
Ray is responsible for the nation’s intercontinental ballistic missile fleet and bomber force, conducting activities relating to strategic deterrence, global strike and combat support to combatant commands and organizations within the nuclear enterprise.

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 Barnes Center for Enlisted Education on the development, education and training of over 700 newly selected first sergeants per year.

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 Barnes Center for Enlisted Education on the development, education and training of over 700 newly selected first sergeants per year.

Dr. Will Roper
Assistant Secretary of the Air Force for Acquisition, Technology, and Logistics
Roper is responsible for research and development, test, production, product support, and modernization of Air Force programs worth more than $60 billion annually.

Lt Gen Duke Z. Richardson
Military Deputy, Office of the Assistant Secretary of the Air Force for Acquisition, Technology, and Logistics
Richardson is responsible for research and development, test, production, product support, and modernization of Air Force programs worth more than $60 billion annually.

Brain Romansky
CTO, Owl Cyber Defense
Brian Romansky is an innovation leader and the CTO at Owl Cyber Defense where he applies his experience in developing and deploying cybersecurity technology in military, transportation, healthcare, and financial services markets to shape next-generation security products and services.

Lynda T. Rutledge
Program Executive Officer Mobility and Training Aircraft
Rutledge is Program Executive Officer for USAF Mobility and Training Aircraft. She manages activities of over 1700 personnel, executing a portfolio in excess of $25 Billion.

Christopher J. Pehrson
Vice President, Strategic Development, General Atomics Aeronautical Systems, Inc.
Pehrson develops business strategy and leads a team of business development professionals to promote the company’s full line of remotely piloted aircraft and sensor payloads to the Department of Defense and other U.S. Government customers.

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 Barnes Center for Enlisted Education on the development, education and training of over 700 newly selected first sergeants per year.

Gen Timothy M. Ray
Commander, Air Force Global Strike Command and Commander, Air Forces Strategic - Air, U.S. Strategic Command
Ray is responsible for the nation’s intercontinental ballistic missile fleet and bomber force, conducting activities relating to strategic deterrence, global strike and combat support to combatant commands and organizations within the nuclear enterprise.

Lynda T. Rutledge
Program Executive Officer Mobility and Training Aircraft
Rutledge is Program Executive Officer for USAF Mobility and Training Aircraft. She manages activities of over 1700 personnel, executing a portfolio in excess of $25 Billion.

Daniel Patt
CEO, Vecna Robotics, Senior Fellow, Center for Strategic and Budgetary Assessments
Patt is a technologist and strategist specializing in the intersection of society and automation, and was previously Deputy Director of DARPA’s Strategic Technology Office and lead for the Department of Defense’s 2018 Modernization initiative.

Gen John W. “Jay” Raymond
Commander, Air Force Space Command
Raymond is responsible for organizing, training, equipping and maintaining mission-ready space forces and capabilities for NORAD, STRATCOM and other combatant commands around the world.

Christopher J. Pehrson
Vice President, Strategic Development, General Atomics Aeronautical Systems, Inc.
Pehrson develops business strategy and leads a team of business development professionals to promote the company’s full line of remotely piloted aircraft and sensor payloads to the Department of Defense and other U.S. Government customers.

Brain Romansky
CTO, Owl Cyber Defense
Brian Romansky is an innovation leader and the CTO at Owl Cyber Defense where he applies his experience in developing and deploying cybersecurity technology in military, transportation, healthcare, and financial services markets to shape next-generation security products and services.

Dr. Will Roper
Assistant Secretary of the Air Force for Acquisition, Technology, and Logistics
Roper is responsible for research and development, test, production, product support, and modernization of Air Force programs worth more than $60 billion annually.

Maj Gen Mary F. O’Brien
Commander, Twenty-fifth Air Force
O’Brien is responsible for more than 29,000 personnel conducting worldwide operations. Twenty-fifth Air Force Airmen deliver multisource intelligence, surveillance and reconnaissance products, applications, capabilities and resources.
Meggitt has developed cooling solutions for the most challenging flight conditions, missions, and extreme environments. From low supersonic flight, to high hot wet hover, to desert and arctic operations, our thermal management solutions are proven and ready to meet the challenge of the more electronic platform and battlefield.

Tel: +1 949 465 7700
gerry.janicki@meggitt.com
www.meggittdefense.com

MEGGITT

DELIVERING READINESS
WHEN YOU NEED TO FIGHT TONIGHT

DYNCORP INTERNATIONAL – SUPPORTING THE USAF’S MOST DEMANDING MISSIONS SINCE 1951

To learn more, visit us at:
2019 AFA Air, Space & Cyber Conference, booth #123

dyn-intl.com  @DynCorpIntl

DynCorp International
1700 Old Meadow Road
McLean, VA 22102
571-722-0210
Business.Inquiries@dyn-intl.com
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.

Brig Gen Richard S. Stapp, USAF (Ret.)  
Sector Vice President, Resiliency and Rapid Prototyping, Northrop Grumman Aerospace Systems  
Stapp leads the sector’s rapid prototyping and resiliency programs across critical space missions to advance industry culture and our warfighter’s space capabilities.

Abigail Selby  
Music Therapist  
Selby has been in practice as a Board Certified Music Therapist for 10 years and currently works at the Intrepid Spirit Center at Fort Belvoir Community Hospital serving patients experiencing traumatic brain injury and post-traumatic stress.

Katelyn Tinsley  
Air Force Spouse of the Year, Founder, Homefront Room Revival  
Tinsley is piloting an innovative program through her nonprofit Homefront Room Revival to creatively combat resiliency challenges bringing people together through art, outreach, and by furnishing hope in turning empty military houses into homes for families in need.

Maj Gen Donald W. Shepperd, USAF (Ret.)  
Former head of the Air National Guard  
Shepperd was a Vietnam fighter pilot with 247 missions, a Misty FAC over North Vietnam, an author and covered the wars in Iraq and Afghanistan for CNN.

CMSGt Kimberly S. Vinson  
Chief, Chiefs’ Group  
Chief Vinson is the principal advisor to the Deputy Chief of Staff, Manpower, Personnel, Services and the Chief Master Sergeant of the Air Force on all Chief Master Sergeant matters.

Lt Gen James C. Slife  
Commander, Air Force Special Operations Command  
Slife leads a team of more than 21,000 Total Force Airmen providing highly specialized air power to unified combatant commanders conducting continuous operations around the world.

Melissa S. Walker, MA, ATR  
Lead Art Therapist, NEA Creative Forces Healing Arts Program Coordinator, NICOE/WARNMMC  
Walker is lead art therapist for the NEA Creative Forces: Military Healing Arts Network, and healing arts program coordinator at the National Intrepid Center of Excellence (NICOE), Walter Reed National Military Medical Center.

Ryan Smith  
President and CEO, IMSAR LLC  
Ryan is the founder of IMSAR LLC, which is working to democratize radar by making it more usable, affordable, and accessible than ever before.

Lt Gen Marshall B. "Brad" Webb  
Commander, Air Education and Training Command  
Webb is responsible for 60,000 people who recruit, train, and educate Air Force personnel across Air Force Recruiting Service, two numbered Air Forces and Air University, training 300,000 students annually.

MsGt Shaun Spencer  
First Sergeant, USAF Honor Guard  
MsGt Spencer is the First Sergeant, United States Air Force Honor Guard where he serves as the key enlisted leader to the Commander and Chief Enlisted Manager on matters concerning health, morale, welfare, and mission readiness of 303 Ceremonial Guardsmen.

Lt Col Daniel L. Wester  
Commander, 28th Maintenance Squadron, 28th Bomb Wing  
Wester serves as the leader of the 28 BW’s most diverse squadron, with 472 personnel, and 13 AFSCs responsible for off-equipment maintenance and repair of $8.6B in assets, ensuring critical Air Force combat capability and readiness.
Projects Unlimited is a certified Small Business serving the Aerospace and Defense Industry worldwide since 1951.

Working with your drawings and specifications to manufacture and assemble the highest quality electronics using precision manufacturing equipment, in-house testing, and world-class workmanship.

AS9100D • ISO:2015 • NADCAP • ITAR • JCP

We provide a service to deliver solutions that are flight critical, safety critical and mission critical to our customers.

*We Are Mission Critical.*
CMSAF Kaleth O. Wright  
Chief Master Sergeant of the Air Force

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

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

Wilson 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.

Natasha Williams  
96th Security Forces Key Spouse

Natasha is a Key Spouse whom is active in facilitating family resiliency within the military and becoming a positive role model for all military spouses.

Allison F. Winters Fisher, PhD  
Wellness Coordinator National Intrepid Center of Excellence

Allison is the Wellness Coordinator for the intensive outpatient program at the National Intrepid Center of Excellence, an integrative treatment program for service members with traumatic brain injury and related psychological health conditions.

CMSgt Timothy C. White Jr.  
Senior Enlisted Advisor to the Chief of Air Force Reserve

White is the commander's primary advisor regarding the welfare, morale, discipline, proper utilization, operational readiness, and war-fighting capability of enlisted U.S. Air Force Reserve personnel stationed worldwide.

Tonya Wright  
Spouse of the Chief Master Sergeant of the Air Force

Wright joined the Air Force in 1995 as a materiel management specialist and served in various materiel management assignments in the U.S. and overseas. She now dedicates her efforts to caring for Airmen and their families.

Col Parker H. Wright  
Commander, National Air and Space Intelligence Center

Wright serves as the Commander of the National Air and Space Intelligence Center, providing scientific and technical intelligence on foreign air, space, missile, and cyber threats to enable full-spectrum multi-domain operations, drive weapon system acquisition, and inform national defense policy.

Please be sure and visit small business exhibitors, who will be displaying this sign in their booth.
MEET US AT
AIR SPACE AND CYBER
CONFERENCE BOOTH #818
For a personal demo of our
new product: Scowt-Compact.
Ruggedized Data Streaming
and File Transfer Solution
for Mobile Tactical Missions
@owlcyberdefense
owlcyberdefense.com

Wounded Warrior Project helped me reclaim my life.
I AM LIVING PROOF
WOUNDED WARRIOR
SEAN KARPF
SUPPORT WOUNDED VETERANS AT iamlivingproofwwp.org
©2018 Wounded Warrior Project, Inc. All Rights Reserved.
Airmen Taking Care of Airmen

“This program blesses our lives, the lives of our families and helps us in our recovery processes.”

Joshua Smith, Air Force Wounded Warrior

“This program doesn’t just change lives, it saves them as well.”

Jimmy Counts, Air Force Wounded Warrior

To help us save lives, donate at www.afa.org/wap
The Air Force Association expresses its thanks to the following companies for their sponsorship of the 2019 Air, Space & Cyber Conference at the generous levels indicated. It is through their support that the 2019 Air, Space & Cyber Conference is possible.

- **LOCKHEED MARTIN**
  - $100K to $199,999

- **NORTHROP GRUMMAN**
  - $50K to $99,999

- **Mission Systems**
  - $10K to $49,999

- **BAE SYSTEMS**

- **COBHAM**

- **Collins Aerospace**

- **CUBIC.**

- **DynCorp International**

- **GENERAL ATOMICS AERONAUTICAL**

- **GENERAL DYNAMICS Mission Systems**

- **leidos**

- **OWL**

- **Palantir**

- **SNC SIERRA NEVADA CORPORATION**

- **SRC**

- **Battelle**

- **Bombardier**
  - Specialized Aircraft

- **DefenseNews**

- **AirForceTimes**

- **Elbit Systems of America**

- **Gulfstream**
  - A General Dynamics Company

- **INSITU**

- **MEGGITT**

- **Mercury Systems.**

- **projects unlimited**

- **Raytheon**

- **SPACE NEWS.**

- **Spirit AeroSystems**

- **SDC**

- **TEXTRON AVIATION DEFENSE**

- **USAA**

As of August 27, 2019. For updated information, please refer to our mobile app.
## Saturday, September 14, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 a.m. - 6:00 p.m.</td>
<td>AFA Registration Desk</td>
<td>Registration</td>
</tr>
<tr>
<td>8:00 a.m. - 10:00 a.m.</td>
<td>Chesapeake J</td>
<td>Aerospace Education Council Meeting</td>
</tr>
<tr>
<td>8:00 a.m. - 10:00 a.m.</td>
<td>Chesapeake L</td>
<td>AFA Region Presidents Meeting (Closed Meeting)</td>
</tr>
<tr>
<td>8:00 a.m. - 12:00 p.m.</td>
<td>Potomac C Foyer</td>
<td>AFA Heads of Delegation Credentials Registration</td>
</tr>
<tr>
<td>9:00 a.m. - 10:30 a.m.</td>
<td>Pienza</td>
<td>Spouse Breakfast Meet &amp; Greet (Registration Required)</td>
</tr>
<tr>
<td>10:00 a.m. - 12:00 p.m.</td>
<td>Various</td>
<td>Delegate Workshops</td>
</tr>
<tr>
<td>1:00 p.m. - 5:00 p.m.</td>
<td>Potomac C</td>
<td>AFA Convention Business Session</td>
</tr>
<tr>
<td>5:00 p.m. - 5:30 p.m.</td>
<td>Potomac C</td>
<td>Candidate Availability Period</td>
</tr>
<tr>
<td>5:15 p.m. - 6:00 p.m.</td>
<td>Chesapeake F</td>
<td>Catholic Mass</td>
</tr>
<tr>
<td>6:30 p.m. - 9:00 p.m.</td>
<td>Potomac A/B</td>
<td>AFA Field Awards Reception &amp; Dinner</td>
</tr>
<tr>
<td>9:00 p.m. - 10:15 p.m.</td>
<td>Various</td>
<td>Region Caucuses</td>
</tr>
</tbody>
</table>

## Sunday, September 15, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 a.m. - 6:00 p.m.</td>
<td>AFA Registration Desk</td>
<td>Registration</td>
</tr>
<tr>
<td>8:00 a.m. - 12:00 p.m.</td>
<td>Potomac C</td>
<td>AFA Convention Business Session</td>
</tr>
<tr>
<td>12:00 p.m. - 1:00 p.m.</td>
<td>Potomac D</td>
<td>AFA Delegate Lunch</td>
</tr>
<tr>
<td>1:00 p.m. - 2:00 p.m.</td>
<td>Potomac C</td>
<td>AFA Convention Business Session</td>
</tr>
<tr>
<td>2:30 p.m.</td>
<td>Gaylord Bus Loop</td>
<td>Buses Depart Gaylord for National Cathedral</td>
</tr>
<tr>
<td>3:30 p.m. - 4:00 p.m.</td>
<td>National Cathedral</td>
<td>Air Force Band Performance</td>
</tr>
<tr>
<td>4:00 p.m. - 5:00 p.m.</td>
<td>National Cathedral</td>
<td>U.S. Air Force Interfaith Worship Service</td>
</tr>
<tr>
<td>5:00 p.m.</td>
<td>National Cathedral</td>
<td>Buses Depart National Cathedral for Gaylord</td>
</tr>
<tr>
<td>7:00 p.m.</td>
<td>National Harbor 4</td>
<td>Exclusive Screening: The Last Full Measure (Registration Required)</td>
</tr>
</tbody>
</table>

For the full conference agenda please reference page 22.
Over 70 years ago, Jimmy Doolittle built the foundation for AFA brick by brick. Continue his legacy and honor a family, friend, or your service to our great nation, by making a donation for your own personalized brick tile.

4” x 8” x ½” Brick Tile
- $125 Donation

or

Give more prominence to your brick by adding an AFA logo
- $200 Donation

The Legacy Wall is located at AFA’s Headquarters in Arlington, VA

For more details and to order visit www.AFA.org/Bricks
### Outstanding Chapters by Size

Presented to chapters by size categories for accomplishments across multiple areas.

<table>
<thead>
<tr>
<th>Size</th>
<th>Chapter</th>
<th>President</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small Chapter</td>
<td>Mel Harmon Chapter, CO</td>
<td>Michael Sumida</td>
</tr>
<tr>
<td>Medium Chapter</td>
<td>Roanoke Chapter, VA</td>
<td>Robin L. Thompson</td>
</tr>
<tr>
<td>Extra Large Chapter</td>
<td>Seidel Chapter, TX</td>
<td>Paul Hendricks</td>
</tr>
<tr>
<td>Large Chapter</td>
<td>Paul Revere Chapter, MA</td>
<td>Donald Vasquez</td>
</tr>
</tbody>
</table>

### Aerospace Education Excellence Award

Presented to chapters by size category for excellence in aerospace education programming.

<table>
<thead>
<tr>
<th>Size</th>
<th>Chapter</th>
<th>President</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small Chapter</td>
<td>Mel Harmon Chapter, CO</td>
<td>Michael Sumida</td>
</tr>
<tr>
<td>Medium Chapter</td>
<td>Lincoln Chapter, NE</td>
<td>Richard T. Holdcroft</td>
</tr>
<tr>
<td>Extra Large Chapter</td>
<td>Ak-Sar-Ben Chapter, NE</td>
<td>Chris Canada</td>
</tr>
<tr>
<td>Large Chapter</td>
<td>Tennessee Valley Chapter, AL</td>
<td>Frederick Driesbach</td>
</tr>
</tbody>
</table>

### Aerospace Education Achievement Award

Presented to chapters for outstanding achievement in aerospace education programming.

<table>
<thead>
<tr>
<th>Chapter</th>
<th>President</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ak-Sar-Ben Chapter, NE</td>
<td>Chris Canada</td>
</tr>
<tr>
<td>Albuquerque Chapter, NM</td>
<td>Frederick J. Harsany</td>
</tr>
<tr>
<td>Gen Charles A. Gabriel Chapter, VA</td>
<td>Mike Winters</td>
</tr>
<tr>
<td>Lance P. Sijan Chapter, CO</td>
<td>Charles Apodaca</td>
</tr>
<tr>
<td>Langley Chapter, VA</td>
<td>Mark R. “Buster” Douglas</td>
</tr>
<tr>
<td>Lincoln Chapter, NE</td>
<td>Richard T. Holdcroft</td>
</tr>
<tr>
<td>Martin H. Harris Chapter, FL</td>
<td>Todd Frecce</td>
</tr>
<tr>
<td>Mel Harmon Chapter, CO</td>
<td>Michael Sumida</td>
</tr>
<tr>
<td>Montgomery Chapter, AL</td>
<td>Dale B. Barton</td>
</tr>
<tr>
<td>Mount Clemens Chapter, MI</td>
<td>Randy Whitmore</td>
</tr>
<tr>
<td>Paul Revere Chapter, MA</td>
<td>Donald Vasquez</td>
</tr>
<tr>
<td>Richmond Chapter, VA</td>
<td>Harper S. Alford</td>
</tr>
<tr>
<td>Roanoke Chapter, VA</td>
<td>Robin L. Thompson</td>
</tr>
<tr>
<td>Tennessee Valley Chapter, AL</td>
<td>Frederick J. Driesbach</td>
</tr>
<tr>
<td>Wright Memorial Chapter, OH</td>
<td>Kent Shin</td>
</tr>
</tbody>
</table>

### Outstanding State Organization

Virginia
President Ken Spencer

### Unit Exceptional Service Awards

Presented to chapters for outstanding accomplishments in specific fields.

<table>
<thead>
<tr>
<th>Program</th>
<th>Chapter</th>
<th>President</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airmen and Family Programs</td>
<td>Tyndall Chapter, FL</td>
<td>Brett Roundtree</td>
</tr>
<tr>
<td>Community Relations</td>
<td>Hurlburt Chapter, FL</td>
<td>James Connors</td>
</tr>
<tr>
<td>Best Single Program</td>
<td>Gen Charles A. Gabriel Chapter, VA</td>
<td>Mike Winters</td>
</tr>
<tr>
<td>Communications</td>
<td>Mel Harmon Chapter, CO</td>
<td>Michael Sumida</td>
</tr>
<tr>
<td>Community Partners</td>
<td>MiG Alley Chapter, Korea</td>
<td>Austin Hood</td>
</tr>
<tr>
<td>Communications</td>
<td>Ak-Sar-Ben Chapter, NE</td>
<td>Chris Canada</td>
</tr>
<tr>
<td>Overall Programming</td>
<td>Paul Revere Chapter, MA</td>
<td>Donald Vasquez</td>
</tr>
<tr>
<td>Veterans Affairs</td>
<td>Lincoln Chapter, NE</td>
<td>Richard T. Holdcroft</td>
</tr>
<tr>
<td>AAS/SW Integration</td>
<td>Langley Chapter, VA</td>
<td>Mark R. “Buster” Douglas</td>
</tr>
<tr>
<td>Chapters Larger than 1,100</td>
<td>Central Maryland, MD</td>
<td>Janel R. Kersh</td>
</tr>
<tr>
<td>Veterans Affairs</td>
<td>Martin H. Harris Chapter, FL</td>
<td>Todd Frecce</td>
</tr>
<tr>
<td>AAS/SW Integration</td>
<td>Langley Chapter, VA</td>
<td>Mark R. “Buster” Douglas</td>
</tr>
<tr>
<td>Chapters Larger than 1,100</td>
<td>Lincoln Chapter, NE</td>
<td>Richard T. Holdcroft</td>
</tr>
<tr>
<td>Veterans Affairs</td>
<td>Central Maryland, MD</td>
<td>Janel R. Kersh</td>
</tr>
<tr>
<td>AAS/SW Integration</td>
<td>Wright Memorial Chapter, OH</td>
<td>Kent Shin</td>
</tr>
</tbody>
</table>

### Jack Gross Award

Presented to the chapter in each size category with the highest number of new members as a percentage of chapter size at the beginning of the membership year.

<table>
<thead>
<tr>
<th>Chapter</th>
<th>President</th>
</tr>
</thead>
<tbody>
<tr>
<td>MiG Alley Chapter, Korea</td>
<td>Austin Hood</td>
</tr>
</tbody>
</table>

### Arthur C. Storz Sr. Membership Award

Presented to that AFA chapter which produces the highest number of new members during the 12-month period ending June 30, 2019, as a percentage of total chapter membership as of July 1, 2019.

<table>
<thead>
<tr>
<th>Chapter</th>
<th>President</th>
</tr>
</thead>
<tbody>
<tr>
<td>MiG Alley Chapter, Korea</td>
<td>Austin Hood</td>
</tr>
</tbody>
</table>
Community Partner Awards

**GOLD AWARD**
Presented to chapters whose Community Partners represent at least six percent of overall chapter membership, with a minimum number of Community Partners.

Cheyenne Cowboy Chapter, WY
Col H. M. Bud West Chapter, FL
Enid Chapter, OK
Fairbanks Midnight Sun Chapter, AK
Fort Wayne Chapter, IN
Lincoln Chapter, NE
Mel Harmon Chapter, CO
Meridian Chapter, MS
MIG Alley Chapter, Korea
Montgomery Chapter, AL
Northwest Texas Chapter, TX
Swamp Fox Chapter, SC
Tennessee Valley Chapter, AL

**ACHIEVEMENT AWARD**
Presented to chapters whose Community Partners represent at least three percent of overall chapter membership.

David D. Terry Jr Chapter, AR
Gen David C. Jones Chapter, ND
Golden Triangle Chapter, MS
Hurlburt Chapter, FL
Palm Springs Chapter, CA
Miami-Homestead Chapter, FL
Ute-Rocky Mountain Chapter, UT

Special Recognition Membership Awards

**CHAPTER GROWTH**
These chapters have realized a growth in total membership from June 2018 to June 2019.

Abilene Chapter, TX
Altoona Chapter, PA
B/G Harrison R. Thynq Chapter, NH
Baltimore Chapter, MD
Bill Harris Chapter, OR
Bob Newman Cape Fear Chapter, NC
Cape Canaveral Chapter, FL
Capt Eddie Rickenbacker Memorial Chapter, OH
Central Indiana Chapter, IN
Central Maryland Chapter, MD
Central Oklahoma Chapter, OK
Gen Charles A. Gabriel Chapter, VA
Cheyenne Cowboy Chapter, WY
Chuck Yeager Chapter, WV
Columbia Gorge Chapter, OR
Columbia Palmetto Chapter, NC
Delaware Galaxy Chapter, DE
Denton Chapter, TX
Dobbins Chapter, GA
Donald W. Steele Sr Memorial Chapter, VA
Eglin Chapter, FL
Flying Yankee/General Kenney Chapter, CT
Fort Dodge Chapter, IA
Fort Wayne Chapter, IN
Fort Worth Chapter, TX
Frank P. Lahm Chapter, OH
Gen Joseph W. Ralston Chapter, OH
Gold Coast Chapter, FL
Grissom Memorial Chapter, IN
Hangar One Chapter, NJ
Highpoint Chapter, NJ
Hurlburt Chapter, FL
L D Bell Niagara Frontier Chapter, NY
Langley Chapter, VA
Liberty Bell Chapter, PA
Lincoln Chapter, NE
Lindbergh/Sikorsky Chapter, CT
Lloyd R. Leavitt Jr Chapter, MI
Martin H Harris Chapter, FL
Metro Rhode Island Chapter, RI
Miami-Homestead Chapter, FL
MIG Alley Chapter, AP
Minuteman Chapter, MA
Mount Clemens Chapter, MI
Nations Capital Chapter, DC
Northeast Texas Chapter, TX
Northwest Iowa Chapter, IA
Otis Chapter, MA
P-47 Memorial Chapter, IN
Paul Revere Chapter, MA
Pioneer Valley Chapter, MA
Pope Chapter, NC
Prescott/Goldwater Chapter, AZ
Pride of the Adirondacks Chapter, NY
Red River Valley Chapter, ND
Rushmore Chapter, SD
Sal Capriglione Chapter, NJ
Salt Lake City Chapter, UT
Shooting Star Chapter, NJ
Snake River Valley Chapter, ID
South Alabama Chapter, AL
South Georgia Chapter, GA
Spirit of St Louis Chapter, MO
Steel Valley Chapter, OH
Strom Thurmond Chapter, SC
Tarheel Chapter, NC
Thomas B. McGuire Jr Chapter, NJ
Thomas W. Anthony Chapter, MD
Tokyo Chapter, AP
Total Force Chapter, PA
Tydall Chapter, FL
Waterman-Twining Chapter, FL
Wright Memorial Chapter, OH

**STATE GROWTH**
These states have realized a growth in total membership from June 2018 to June 2019.

Connecticut - Iowa - Oregon
Florida - Massachusetts - Rhode Island
Georgia - New Hampshire - West Virginia
Idaho - North Carolina - Wyoming
Indiana - Ohio

**REGION GROWTH**
These regions have realized a growth in total membership from June 2018 to June 2019.

Central East Region
Florida Region
Great Lakes Region
New England Region
Overseas
Southeast Region

No software. Nothing to download.
## AFA Field and Aerospace Education Awards (continued)

### Member of the Year

**Susan Broderick Mallett**

### Chairman’s Citations

<table>
<thead>
<tr>
<th>Region</th>
<th>Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central East</td>
<td>Sharon Branch, Joseph “Joe” Burke, Kelly Jones, Dustin “Lucky” Lawrence, Russ Lewey, Michael “Mike” Liquori, Tom Moran, Thomas “Tom” Veltri</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Region</th>
<th>Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Far West</td>
<td>John “Jack” Diamond, Cristina Lussier, John “JR” Robinson</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Region</th>
<th>Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Great Lakes (continued)</td>
<td>Craig Spanburg, Randy Whitmire, Donald “Bud” Vazquez</td>
</tr>
</tbody>
</table>

### Individual Awards by Region

#### Central East

- **Medal of Merit**
  - Nefertiti Barnes
  - David “DJ” Baylor
  - Mitch Berger
  - Christof Cordes
  - Janell Kersh
  - Donna Malone
  - Hannah Richmond
  - Patrick Rocke
  - Richard “Rich” Shook

- **Exceptional Service Award**
  - John “Jack” Diamond
  - Cristina Lussier
  - John “JR” Robinson

#### Far West

- **Medal of Merit**
  - Sareta Gladson
  - Alison Osterberg

- **Exceptional Service Award**
  - Colleen Smith

#### Florida

- **Medal of Merit**
  - John “Tim” Brock
  - Edward “Ed” Hood
  - Marian McBryde
  - Gilberto Perez
  - Ryan Price

- **Exceptional Service Award**
  - Christina English
  - Colleen Smith

#### Great Lakes

- **Medal of Merit**
  - Pat Deem
  - Gene McManaway
  - Mark Roland
  - Kent Shin

- **Exceptional Service Award**
  - Raymond Donnelly
  - Steve Latus

#### Midwest

- **Medal of Merit**
  - Lang Anderson
  - Todd Hunter
  - Mark Musick

#### New England

- **Medal of Merit**
  - Ashley Breen
  - Nick Cloe
  - Chris Forkey
  - Shelly Lipman
  - Todd Meyers
  - Timothy Riley
  - Ronald J. Young

- **Exceptional Service Award**
  - David Mark DeNofrio
  - Matt Mleziva
  - Jamie Navarro

#### North Central

- **Medal of Merit**
  - Jeff Johnson

#### Northeast

- **Medal of Merit**
  - Kathryn Sheets

#### Northwest

- **Medal of Merit**
  - Robert Branscomb
  - Andrew Hockman
  - Fran McGregor-Hollums
  - Gabrielle “Gabbe” Kearney

- **Exceptional Service Award**
  - William “Loyd” Patton

#### Overseas

- **Medal of Merit**
  - Robert Montalvo
  - Jeremy Nickel

#### Rocky Mountain

- **Medal of Merit**
  - David Geuting

#### Southeast

- **Medal of Merit**
  - Rachel Sax

#### Southwest

- **Medal of Merit**
  - Carl Armstrong
  - William Goodall
  - Caroline Jok
  - Jim Nye
  - William Polakowski
  - Vickie Jo Ryder
  - Susan Sullivan

#### Texoma

- **Medal of Merit**
  - John Campbell
  - Terry J Cox
  - Jennifer Deinhart
  - Joel Hatch
  - Thomas Peterson
  - Janelle Stafford
  - Scott Wilson

#### Texoma (continued)

- **Exceptional Service Award**
  - Jeffrey W James
  - Deborah Landry
  - Mitzi Morrison
  - Molly Mae Potter
  - Marc E Stewart

### CyberPatriot Awards

#### Mentor of the Year

**Paul Johnson**

**Del Norte High School**

**San Diego, CA**

#### Coach of the Year

**Thomas W. Johnson**

**Cheyenne Central High School**

**Cheyenne, WY**

### CyberPatriot Mentors

- **CyberPatriot Mentor of the Year**
  - Paul Johnson
  - Del Norte High School
  - San Diego, CA

- **CyberPatriot Coach of the Year**
  - Thomas W. Johnson
  - Cheyenne Central High School
  - Cheyenne, WY

#### Exceptional Service Awards

- **Mentor of the Year**
  - David Mark DeNofrio
  - Matt Mleziva
  - Jamie Navarro

- **Exceptional Service Award**
  - Raymond Donnelly
  - Steve Latus

- **Exceptional Service Award**
  - Paula Penson
  - Andy Potter
Michael Vargas, of Pinnacle High School, Phoenix, has been named the 2019 AFA National Teacher of the Year (TOY) presented by Rolls-Royce.

Vargas has been an educator for 19 years and is currently a 9th-grade physics teacher at Pinnacle High School. Prior to that, he spent 10 years at DoDEA International School in Belgium, SHAPE American High School, which provided a strong, global foundation for innovative STEM instructional strategies and experiential learning.

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

“Congratulations to Michael Vargas for being named 2019 AFA National Teacher of the Year and for his outstanding achievements in promoting STEM education. STEM is crucial for developing future technology leaders for the US Air Force and for Rolls-Royce. We salute Mr. Vargas and the other 2019 Teacher of the Year recipients,” said Adam Riddle, Executive Vice President, Business Development and Future Programs – Americas, Rolls-Royce.

As a senior in college, he helped to form Team ASPIRE (Arizona Student Program Investing Resources in Education), and he traveled the state promoting college to students in rural areas. Vargas eventually returned to Arizona and joined the Science Teachers Association which is partnered with the Arizona State University Physics Department. He built a close relationship with legislative champions and assisted in getting two major education bills passed in Arizona.

One of those bills was passed in 2016 and funded 150 scholarships to address the critical shortfall of physics and chemistry teachers. The most recent bill, at the end of May, brought an additional $1.2 million to extend the scholarship program for three more years. The goal of these bills is to drive education policy toward the infusion of physics into every school as the foundational STEM driver and to double the number of physics teachers in Arizona in five years.

“Our 2019 National Teacher of the Year, Michael Vargas of Arizona, is another great STEM educator selected to be a part of AFA’s prestigious Teacher of the Year program,” said Whitten Peters, AFA Chairman of the Board. “His collaborative work with other STEM organizations and leadership garnered legislative support and funding to increase the number of certified STEM educators, quite an impressive accomplishment.”

Vargas also provides his students with unique opportunities outside of the classroom. He has initiated numerous Near Space High altitude balloon launches and many rocket launches. He also has invited the local Civil Air Patrol members to teach his students to track locations using GPS systems in emergency rescue missions. He also allows the students to apply their knowledge by participating in simulated disaster days in the desert. Vargas involves the community and other STEM organizations in teaching his students, which in turn raises more awareness about his programs.

Vargas has had a very successful career and will continue to gain more opportunities where he can share his passion for educating children in physics. He has made an amazing impact in Arizona and we hope to see that spread throughout the nation.

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

Roy Bartnick
Second Place Winner
Coolidge Elementary School
Enid, OK

Lori Nelson
Third Place Winner
Roger B Chaffee Elementary School
Huntsville, AL

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.

Michael Vargas, 2019 AFA National Teacher of the Year, helping a student launch a meteorological weather balloon.

Michael Vargas, 2019 AFA National Teacher of the Year, helping a student launch a meteorological weather balloon.
During the 2019 AFA National Convention, AFA members will gather much as they have every year for the last 70 years to recognize and remember those we have lost in the last year. We appreciate the life, service, and sacrifice of every person we honor today. The service will be conducted during the National Convention Business Session.

MEMORIAL SERVICE
Saturday, September 14, 2019 | 1:10 p.m.- 1:30 p.m.

In Memoriam

<table>
<thead>
<tr>
<th>Lt Col Robert A. Ashey</th>
<th>CAP Cadet Lake Little</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSgt Ronald E. Axley, USAF (Ret.)</td>
<td>Charles M. Lewis</td>
</tr>
<tr>
<td>Ralph Powell Black</td>
<td>Col Daniel H. Lufkin</td>
</tr>
<tr>
<td>CMSgt Norman G. Brander, USAF (Ret.)</td>
<td>Maj Edwin M. Lum, USAF (Ret.)</td>
</tr>
<tr>
<td>Col Cecil Gordon Brendle, USAF (Ret.)</td>
<td>Col Norman G. Mathews</td>
</tr>
<tr>
<td>Col James Callahan, USAF (Ret.)</td>
<td>Brig Gen Linda K. McTague</td>
</tr>
<tr>
<td>Sgt Ron Campbell</td>
<td>Maj L. W. Moellenberg, USAF (Ret.)</td>
</tr>
<tr>
<td>Lt Col Dick Cole, USAF (Ret.)</td>
<td>Lt Col Dennis M. Moran, USAF (Ret.)</td>
</tr>
<tr>
<td>Charles “Chuck” R. Corjay, USAF</td>
<td>Lt Gen George K. Muellner, USAF (Ret.)</td>
</tr>
<tr>
<td>Oliver &quot;Ollie&quot; R. Crawford, USAF</td>
<td>Lt Col Arthur C. Mussman, USAF (Ret.)</td>
</tr>
<tr>
<td>MSgt Paul E. Dwyer</td>
<td>Capt Joseph Narbut, USAF (Ret.)</td>
</tr>
<tr>
<td>CMSgt Jarvis R. Everett, USAF (Ret.)</td>
<td>Lois A. Nelson</td>
</tr>
<tr>
<td>Col Robert E. Frank, USAF (Ret.)</td>
<td>Lt Col James R. Reardon</td>
</tr>
<tr>
<td>Col William &quot;Goldie&quot; Goldfein, USAF (Ret.)</td>
<td>SMSgt John A. Ricke, USAF (Ret.)</td>
</tr>
<tr>
<td>W. Parker Greene</td>
<td>Lt Col Roscoe B. Tanner, USAF (Ret.)</td>
</tr>
<tr>
<td>R. Chris Guenther</td>
<td>Christopher Tanney, USAF</td>
</tr>
<tr>
<td>Col Tommy G. Harrison, USAF (Ret.)</td>
<td>Claire Tanney</td>
</tr>
<tr>
<td>Lt Col Kent W. Hemphill, USAF (Ret.)</td>
<td>SSgt Eugene &quot;Gene&quot; P. Todd</td>
</tr>
<tr>
<td>MSgt Keith L. Henley, USAF (Ret.)</td>
<td>Brig Gen Donald J. Tressler</td>
</tr>
<tr>
<td>Gordon Hutson, USAF</td>
<td>Mary Edith (Orth) Ward</td>
</tr>
<tr>
<td>Col Charles G. Johnson, USAF</td>
<td>Ms. Marie Fredericka Weseloh</td>
</tr>
<tr>
<td>Col Robert H. Kjar, USAF (Ret.)</td>
<td>Lt Col Joseph White, USAF (Ret.)</td>
</tr>
<tr>
<td>TSgt Richard G. Kramer</td>
<td>CMSgt John W. Wright, USAF (Ret.)</td>
</tr>
<tr>
<td>Carol Ann Lavin</td>
<td></td>
</tr>
</tbody>
</table>
We are YOUR Air Force Association
We are AIRMEN for LIFE

For a $50/year Membership or a $35/year E-Membership, you too can be part of an organization that believes whether you are Active Duty, Guard, Reserve, or Civil Air Patrol; in uniform or civilian; students, cadets, or family members – we are all Airmen for Life.

The Air Force Association exists so we can all be Airmen for Life. It is the very foundation on which General Jimmy Doolittle built AFA.

Of course, the world and the Air Force have changed a lot since 1946. However, one fact remains unchanged: We are all Airmen who believe deeply in a dominant Air Force for our nation.

www.AFA.org

Join the Fight!
Visit the AFA Booth to receive 50% off.
National Aerospace Awards

**David C. Schilling Award**
Most outstanding contribution in the field of flight
MQ-9 Operators

**Theodore von Karman Award**
Most outstanding contribution in the field of science and engineering
Kessel Run Team

**Gill Robb Wilson Award**
Most outstanding contribution in the field of arts and letters
The Cold Blue

**Hoyt S. Vandenberg Award**
Most outstanding contribution in the field of aerospace education
Civil Air Patrol

**Thomas P. Gerrity Award**
Most outstanding contribution in the field of systems and logistics
Maj Timothy Foster, Spangdahlem AB, Germany

**Lieutenant General Claire Lee Chennault Award**
For outstanding aerial warfare tactician from ACC, PACAF, USAFE, ANG, and AFRC
Maj Jeffrey Entine, Eglin AFB, FL

**General Larry D. Welch Award-Officer**
Most significant impact by an individual on the overall operations, safety, security, and effectiveness of the Air Force nuclear mission
Col Jason Bartolomei, Hill AFB, UT

**General Larry D. Welch Award-Enlisted**
Most significant impact by an individual on the overall operations, safety, security, and effectiveness of the Air Force nuclear mission
SMSgt Thomas Podgorski, Whiteman AFB, MO

**General Larry D. Welch Award-Civilian**
Most significant impact by an individual on the overall operations, safety, security, and effectiveness of the Air Force nuclear mission
Mr. Scott Bagnell, Offutt AFB, OK

**General George C. Kenney Award**
Most significant contribution by an individual or team in the area of lessons learned
3rd Special Operations Group, Hurlburt Field, FL

**Joan Orr Spouse of the Year Award**
For civilian spouses of military members for their significant contributions to the United States Air Force
Mrs. Elizabeth DuBe, Kadena AB, Japan

**Chief Master Sergeant of the Air Force Thomas N. Barnes Award**
Most outstanding aircraft crew chief in the United States Air Force
SSgt Brandon Deem, Kadena AB, Japan

**USAF Cadet of the Year**
Cadet Savannah Johnson, Det 410, University of St. Thomas, MN

**AFROTC Cadet of the Year**
Cadet Gordon McCullough, USAFA, CO

**AFJROTC Cadet of the Year**
Cadet Sydney Cloutier, Pensacola High School, FL

**CAP Aerospace Education Cadet of the Year**
Cadet Annika Walukas, Eau Claire Composite Squadron, WI

**Paul W. Myers Award for Physicians**
Maj David Dy, Patrick AFB, FL

**Juanita Redmond Award for Nursing**
Capt Leslie Green, JB Andrews, MD

**Stuart R. Reichart Award for Lawyers**
Col Rebecca Vernon, Hurlburt Field, FL

**Verne Orr Award for Effective Utilization of Human Resources**
1st Special Operations Group, Hurlburt Field, FL

**Civilian Senior Manager of the Year**
Mrs. Connie Davis, Tinker AFB, OK

**Civilian Program Manager of the Year**
Mr. Brian Bumgardner, Eglin AFB, FL

**Civilian Program Specialist of the Year**
Ms. Olamarie Sheen, Ramstein AB, Germany

**Civilian Wage Employee of the Year**
Mr. Steven Fox, Tinker AFB, OK

**Lisa Disbrow Outstanding Civilian Award**
Mr. Leroy Coe, Pentagon, Washington D.C.

**Gen Edwin W. Rawlings Award – Management**
Mr. Christopher Brewster, Davis Monthan AFB, AZ

**Gen Edwin W. Rawlings Award – Technician**
SSgt Michael Bagley, Peterson AFB, CO

Air Force Awards

**General Larry O. Spencer Innovation Award - Individual**
Maj Alexander Goldberg, Texas Air National Guard

**General Larry O. Spencer Innovation Award - Team**
Kessel Run Team, Hanscom AFB, MA

**International Affairs Excellence Award**
Officer - Lt Col Andrew Allen; Enlisted - MSgt Kyle Wilson;
Senior Civilian - Ms. Jean-Anne Butler; Junior Civilian - Mr. Matthew Bradesca
Capt Roland Neal and Capt Phillip Huebner, Columbus AFB, MS
Captains Neal and Huebner enabled proof of concept for training 1,400 student pilots annually, leveraging virtual reality and integrating commercial solutions to address the Air Force’s pilot crisis. Their careful orchestration of officer and enlisted members unlocked a pool of 275,000 potential candidates. Their synergistic efforts within the Air Force and Federal Aviation Administration enabled 480 training missions to be accomplished in support of congressionally highlighted pilot production.

706th Fighter Squadron, Nellis AFB, NV
The men and women of the 706th provided core subject matter expertise to Nellis’ mission of operational test, tactics development, and next-generation training, fielding over eight billion dollars of capabilities and upgrades to the Combat Air Forces. The team also led the integration of these new capabilities into six Joint Chiefs of Staff-directed exercises, improving the capabilities of over 3,600 units throughout the Department of Defense.

Col Frederick Coleman and Lt Col Keith Anderson, MacDill AFB, FL
Colonels Coleman and Anderson led all strategic planning at United States Central Command for Operation Inherent Resolve to defeat the Islamic State in Iraq and Syria. They represented the planning nexus between Central Command, five service components, and two subordinate headquarters. Their leadership of over 200 planners worldwide directly enabled all Coalition operations to dismantle the Islamic State in Iraq and the Syrian caliphate.

18th Logistics Readiness Squadron, Kadena Air Base, Japan
The 18th Logistics Readiness Squadron led the first operational F-35A reception, placing fifth generation aircraft in the priority theater designated by the 2018 National Defense Strategy. Additionally, they were an instrumental element of the pressure campaign against North Korea by supporting the National Command Authority’s airborne platform during the Leader Summit. The squadron also led the Special Operations Forces deployment that saved lives of the 12-member Thai youth soccer team.

General Atomics & Affiliated Companies, San Diego, CA
General Atomics & Affiliated Companies have a long record of advocating for STEM education and supporting and promoting aerospace education. The General Atomics Sciences Education Foundation funds non-profit STEM organizations, such as TutorMate, and develops educational resources accessible to the local community and worldwide. General Atomics Energy Group developed a Fusion Education and Outreach Program to educate students, parents and teachers on the STEM elements that support research and development of fusion energy. General Atomics Aeronautical Systems, Inc. and Electromagnetic Systems Group fund and support university-level STEM programs specializing in aeronautics, astronautics, robotics and cyber-related subjects.

Earl T. Ricks Award
Outstanding ANG airmanship
Lt Col Bryan Meek, JB San Antonio-Lackland, TX

CMSgt Dick Red Award
Best ANG maintainer
TSgt Kaisha Gurtner-Hatton, Buckley AFB, CO

Outstanding ANG Unit
Best ANG unit airmanship
148th Fighter Wing, Minnesota Air National Guard
SMSGT SYLVETRIS HLONGWANE
Eleventh Air Force Paralegal Manager
Eleventh Air Force, Joint Base Elmendorf-Richardson, AK
Home of Record: Sumter, SC

Senior Master Sergeant Sylvetris Hlongwane led five teams in the command’s largest military justice arena, servicing five wings, 26 sites, and 55,000 clients. As the Staff Superintendent and acting First Sergeant, she guided 380 mission partners through 320 joint taskers, linking critical mission gaps. She excelled as a Senior Enlisted Advisor during a commander-directed investigation, delivering 448 hours of testimony, supporting improvements in pilot training. Sergeant Hlongwane executed exercises to assess a $21 million security contract that authenticated safeguards of $3 billion in protection-level assets, contributing to the return of 26 defenders to home station. Her leadership to 534 peers and 800 junior leaders culminated in her recognition as the Pacific Air Forces’ Lance P. Sijan recipient.

SMSGT ANDREW J. KEHL
Deputy Fire Chief
99th Civil Engineer Squadron, Nellis Air Force Base, NV
Home of Record: Indio, CA

Senior Master Sergeant Andrew Kehl led 124 firefighters at the busiest airfield in the command, providing command and control capabilities for 1,400 emergencies. While leading the best training program in the wing, he secured 624 manpower days to support America’s largest multi-nation exercises. As the Air Force’s Innovator of the Year, he built a standardized business platform to conduct all daily fire operations at 47 bases, eliminating 80 percent rework and setting the stage for the first-ever fire department vehicle standardization project. He pioneered an expeditionary tasking aid, syncing available posturing to 99 multi-national personnel at three areas of responsibility in support of 1,200 combat sorties. Simultaneously, he finished his master’s degree in Organizational Leadership and published a 287-page book on enlisted force growth.

SMSGT PHILIP B. MICALPIN JR.
Heavy Repair Superintendent
5th Civil Engineer Squadron, Minot Air Force Base, ND
Home of Record: Philadelphia, PA

Senior Master Sergeant Philip McAlpin Jr. led 28 multi-craft Airmen in the daily maintenance of Syria’s sole C-17A capable semi-prepared landing zone. His efforts delivered 7,900 warfighters, ensured 900 combat sorties, and the reception and deployment of 8,900 short tons of essential cargo supporting Operation INHERENT RESOLVE. He identified critical airfield deficiencies and established courses of action to ensure Air Line of Communications remained open throughout the region during the Battle of Ar Raqqa. His efforts and data led to him authoring the U.S. Air Force’s first Comprehensive Landing Zone Maintenance Plan, reducing down time from 12 to four hours daily, resulting in an increase of 90 sorties per month. He also managed 32 projects valued at $3.7 million in support of the Special Operations Joint Task Force Syria.
Master Sergeant Jahara Brown directs 25 military and civilian personnel in developing and maintaining security plans for the protection of $18.7 billion in assets and 24,000 personnel. His expertise in law enforcement and security proved evident in his leadership of 85 personnel during 64 patrol responses that netted 32 criminals. While deployed as a combat arms program manager, he streamlined the movement of 1,500 weapons in 48-hours, aiding the success of the North Atlantic Treaty Organization air-strikes against Syria. A true wingman, Sergeant Brown sustained injuries during a vehicle rollover where he quickly reacted to save the lives of six other Airmen. Finally, Sergeant Brown mentored 420 Airmen during three TED talks cultivating an environment of ownership versus renter-ship.

Technical Sergeant Inna A. Lvova skillfully managed the 50th Space Wing’s $3 million reimbursement program, surpassing five command metrics, which led directly to Team Schriever’s number one ranking across Air Force Space Command. Her superior analytical skills proved pivotal in vaulting Installation Mission Support Center’s obligation rate to $24 million, a 93 percent surge from the prior year. Her actions drove the execution of 15 construction projects, integrating joint operations for two combatant commands, and instituting the first $85 thousand network enclave, enabling data transfer across 89 Civil Engineering Squadrons. Furthermore, Sergeant Lvova’s leadership elevated her team and delivered the Comptroller Organization and Financial Analysis Flight of the Year for Space Command. Her skilled leadership was further showcased by her selection as Noncommissioned Officer Academy Distinguished Graduate.

Technical Sergeant Andrew Merrylees’ innovations saved the 166th Airlift over 1,000 man-hours, regaining over 550 training hours. His efforts in the quality assurance program automated processes and eliminated redundancies, increasing evaluation output by 200 percent and overcoming a major unit effectiveness inspection deficiency. As the unit training manager, he created a new workflow and developed a database system which led to a 70 percent drop in overdue training. Sergeant Merrylees crafted a vital analysis tool that captures major wing-level deficiency trends and armed leadership with key metrics to enable critical decision-making capabilities. He is a multi-year audio and visual coordinator for the Special Olympics Delaware, and volunteers monthly to support technical requirements for children with psychiatric needs.
SSGT GARY G. JEFFREY III
Medical Materiel Technician
81st Medical Support Squadron, Keesler Air Force Base, MS
Home of Record: Tiffin, OH

As a Senior Airman Gary Jeffrey led the wing’s flu vaccine program by securing 190,000 doses and coordinating with four agencies, ensuring immunizations for three Department of Defense sites five weeks early. He secured a cross-command leech treatment transfer within 24 hours, avoiding a two-week patient care delay, ultimately saving a patient’s limb. He designed training for 29 accounts, briefing three acquisition processes to 96 customers, cutting 1,500 errors and decreasing delivery time from seven days to one. He balanced cost center operations, certifying 44 Air National Guard and Air Force Reserve accounts, worth $670,000, supporting one of three national disaster response teams.

TSGT KENNETH T. O’BRIEN
Special Tactics Team Element Leader
320th Special Tactics Squadron, Kadena Air Base, Japan
Home of Record: Bunker Hill, IN

Technical Sergeant Kenneth O’Brien seamlessly embedded with the Secret Service and Joint Special Operation Forces as part of a President of the United States protection team, ensuring safety and security during the first United States and North Korean negotiation summit in history. While on temporary duty, he charged into a burning vehicle in South Korea where he extracted an injured civilian and successfully performed life-saving procedures. Additionally, he played an instrumental role in the Thailand Cave rescue mission. He was essential in creating the rescue plan, which placed himself as the furthest American inside the cave. During the mission, he also led the effort to retrieve and successfully resuscitate a Thai Navy SEAL. His team’s heroic efforts led to the rescue of 13 Thai civilians.

SSGT CARYN N. FREDERICK
Satellite Systems Operator and Orbital Analyst Technician
19th Space Operations Squadron, Schriever AFB, CO
Home of Record: Aurora, CO

Staff Sergeant Caryn Frederick qualified as the second Reservist to certify as an orbital analyst in support of the $7.5 billion Global Positioning System 35-satellite constellation. Additionally, she participated in a three-day exercise and developed a 240-step procedure for the first-ever Block IIR satellite disposal. She advised a 70-member contractor team in the validation of launch and early orbit processes, and identified and corrected severe training deficiencies prior to the first GPS Block-3 launch. These efforts led to 235 critiques for the next-generation technical order, driving over 200 modifications and three major risks associated with the command and control system, which culminated in the redesign of its maneuver planning interface.
SSGT CHRISTOPHER M. STUEBBE
Forward Area Refueling Point Program Manager
628th Logistics Readiness Squadron, Joint Base Charleston, SC
Home of Record: Mentor, OH

Staff Sergeant Christopher M. Stuebbe was a critical member of the crew that enabled Special Operation Task Forces to conduct raids against high-value targets during Operation FREEDOM’S SENTINEL. He flew 35 combat missions totaling 133 hours, and transferred 283,000 pounds of fuel that were vital to the mission. Additionally, he expedited emergency repairs on Air Force Special Operation Command equipment valued at $500,000, enabling joint force teams to be mission ready in under 12 hours. He also led a presidential-approved operation, refueling 28 aircraft, ensuring mission success. Finally, while deployed, he completed 18 credit hours toward his bachelor’s degree, helped wounded warriors as a volunteer in the hospital’s critical care section, and organized United Service Organizations events for 19,000 personnel.

SRA MISTY A. RICHMOND
Public Health Technician
52d Aerospace Medicine Squadron, Spangdahlem Air Base, Germany
Home of Record: Blue Creek, OH

Senior Airman Misty Richmond managed the preventative health assessment program for 21 units, reviewing 1,800 medical records, validating 21,600 requirements. Her efforts led to a 99.4 percent compliance rate, culminating in the 52d Medical Group earning the number one rating in the command. Additionally, as the group’s liaison for TRIDENT JUNCTURE, she readied 321 members, validated 4,000 individual medical requirements enabling 209 Joint sorties, vital to the execution of United States and North Atlantic Treaty Organization’s largest exercise since the Cold War. Furthermore, Airman Richmond completed a food vulnerability assessment, evaluating 360 security items, identifying five concerns, safeguarding a $65 million food supply. Finally, she completed 30 credit hours, upheld a 4.0 grade point average, making the Dean’s List and earning her Community College of the Air Force degree.

SRA JUSTIN ALLEN STARKS
Fire & Emergency Services Driver and Operator
Organization: 11 Civil Engineer Squadron, Joint Base Andrews AFB, MD
Home of Record: Jackson, MS

Senior Airman Justin Allen Starks is a driver and operator for Joint Base Andrews’ Fire & Emergency Services, where he is the lead trainer for 25 assigned shift personnel. An expert at his craft, he responded to 11 motor vehicle accidents, seven suspicious package emergencies and four fires, safeguarding 16,000 personnel. As a staff assistant, he scrutinized 53 training records and corrected 231 errors, realigning the flight within Air Force Instruction and validating the department’s 2018 accreditation selection. Airman Starks received the first ever Military Honeywell Scholarship from the International Association of Fire Chiefs which showcased firefighter training across the enterprise. He completed his master’s degree in Public Administration with a 3.9 grade point average, and authored two books on investing and finance.
For long-term commitment to aerospace education, making a significant impact across the nation.

AFA’s John R. Alison Award is presented to Draken International. Draken International has been awarded the $280 million Adversary Air (ADAI) II contract to provide adversary air services at Nellis Air Force Base in Nevada through December 2023. As the sole provider of adversary air support for the USAF, Draken’s team of highly qualified pilots fly the company’s advanced aircraft in the process. However, perhaps his greatest contribution to the war came as an organizer, with Lt Col Philip G. Cochran, of the first air commando unit, formed to aid British forces in Burma. He flew a CG-4A glider into Burma and, on a variety of boards and is active in lecturing on the principles of leadership and the international security environment. He is currently a Board Director of the Association of Former Students of Texas A&M University as well as serving on the Boards of the Lafayette Escadrille Memorial Foundation in Paris, France and the American Air Museum at RAF Duxford, United Kingdom.

Gen Shaud has spent a lifetime of devoted service to the mission, the people and the future leaders of the United States Air Force. Initially, he was a B-47 pilot, later transitioning to the B-52 and becoming an aircraft commander. He logged over 5,600 flight hours of which 251 of those were combat and flew in more than 35 different aircraft. He later served as the Executive Director of AFA where he was responsible for producing Air Force Fifty to commemorate the 50th anniversary of the U.S. Air Force. He then joined the faculty and professional staff of Air University, serving as the Director of Strategic Studies and Director of the Air Force Research Institute. He currently teaches cyber security at Air University and is President of the SHAPE Officers’ Association.

Gen Moseley served as the 18th Chief of Staff of the Air Force and is a fighter pilot with more than 3,000 flight hours in fighters and trainers. General Moseley also commanded 9th Air Force and U.S. Central Command Air Forces while serving as Combined Forces Air Component Commander for operations Southern Watch, Enduring Freedom and Iraqi Freedom. He serves on a variety of boards and is active in lecturing on the principles of leadership and the international security environment. He is currently a Board Director of the Association of Former Students of Texas A&M University as well as serving on the Boards of the Lafayette Escadrille Memorial Foundation in Paris, France and the American Air Museum at RAF Duxford, United Kingdom.

Lambeth’s career, as an airpower specialist, began with the publication of his book “The Transformation of American Air Power” published by the Cornell University Press in 2000. The book became required reading throughout the Air Force’s professional military education establishment. Lambeth is a civil-rated pilot who has flown over 40 types of fighter and attack aircraft. He spent nearly two years as a Soviet military analyst in the Office of National Estimates at the Central Intelligence Agency, where he had been appointed to draft the strategy and doctrine portion of the annual U.S. national intelligence estimate of the Soviet threat to North America. During his 37-year career at RAND he authored a succession of well-received books on various aspects of airpower, all under U.S. Air Force sponsorship. He is still at RAND corporation, where he remains an adjunct associate.
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 built it 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.

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.

The Honorable Heather Wilson
24th Secretary of the Air Force

While Secretary, Heather Wilson improved the readiness of the Air Force, cut years out of acquisition schedules and got better prices through competition. She repealed hundreds of superfluous regulations; and strengthened our ability to deter and dominate in space. Together with Gen Goldfein, she made the case for expanding the Air Force by 74 squadrons. Wilson was a member of the US House of Representatives. She also served as a senior advisor to several national laboratories on matters related to nuclear weapons, non-proliferation, arms control verification, intelligence and the defense industrial base. She is currently the President of the University of Texas at El Paso.

Gen Ellen M. Pawlowski
Former Commander, Air Force Materiel Command

Gen Ellen Pawlowski was the Commander of AFMC. Her career has spanned a wide variety of technical management, leadership and staff positions including command at the wing and center levels. She has served as Director of the Acquisition Management Office for the Assistant to the Secretary of Defense for Atomic Energy and as Deputy Assistant to the Secretary of Defense for Counterproliferation, Office of the Secretary of Defense. Her leadership assignments included Program Director of the Airborne Laser Program; Commander of the Military Satellite Communications Systems Wing; and Commander of the Air Force Research Laboratory. She retired last July, after over 40 years of distinguished service.
## Become a FLIGHT LEADER in AFA’s Operation Enduring Support!

Sign up today and qualify for the special gifts below!

<table>
<thead>
<tr>
<th>RECURRING DONATION TIER</th>
<th>GIFT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hap Arnold Flight</td>
<td>Operation Enduring Support Blanket $15</td>
</tr>
<tr>
<td>$15</td>
<td></td>
</tr>
<tr>
<td>Doolittle Squadron</td>
<td>Above Gift + Decal</td>
</tr>
<tr>
<td>$25</td>
<td></td>
</tr>
<tr>
<td>Airpower Defenders Group</td>
<td>Above Gifts + Airpower Classics Book</td>
</tr>
<tr>
<td>$50</td>
<td></td>
</tr>
<tr>
<td>Patriots Wing</td>
<td>Above Gifts + Trifold Flag (flown over the Air Force Memorial)</td>
</tr>
<tr>
<td>$75</td>
<td></td>
</tr>
<tr>
<td>AFA Leadership Command</td>
<td>Above Gifts + President’s Coin</td>
</tr>
<tr>
<td>$100</td>
<td></td>
</tr>
</tbody>
</table>

[www.AFA.org/OperationEnduringSupport](http://www.AFA.org/OperationEnduringSupport)

We are YOUR Air Force Association
We are AIRMEN for LIFE
Sierra Nevada Corporation develops industry-leading defense & avionics systems that protect the military’s most cherished asset – the warfighter. Our customer-centric, quick response capabilities are designed to ensure the safest, most efficient & effective methods of addressing our customers' most complex challenges.

- Degraded Visual Environment (DVE) Solutions
- Mission Enhancement & Modification
- Combat Proven Close Air Support
- Rotary-Wing Integration & Remanufacturing
- Digital Interoperability & Multi-Mission ISR
- Spacecraft & Satellite Solutions
- Multi-Function Integrated Electronic Warfare
- Next Gen SIGINT/ELINT
ELBIT SYSTEMS OF AMERICA | MULTI-DOMAIN OPERATIONS

BUILT ON A LEGACY.  
ENGINEERED FOR THE FUTURE.

Real-time decision-quality information is crucial for continued air supremacy.

During the past three decades Elbit Systems of America has built a legacy of transformative pilot-aircraft interface technologies to deliver unprecedented awareness, pilot safety and health monitoring, and mission effectiveness.

Working alongside our customers to help build their future, we deliver innovative solutions to protect and save lives.

ElbitAmerica.com
©2019 Elbit Systems of America, LLC. All rights reserved.

ADVANCED COCKPIT DISPLAYS | ELECTRONIC WARFARE | EMBEDDED TRAINING
HELMET MOUNTED SYSTEMS | PILOT HEALTH MONITORING | TACTICAL NETWORKS & COMMUNICATIONS