MULTI-DOMAIN OPERATIONS: LEVERAGING THE FULL SPECTRUM

September 17-19, 2018 | National Harbor, MD | AFA.org

Program guide sponsored by NORTHROP GRUMMAN
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- Rotary-Wing Integration & Remanufacturing
- eHealth & Remote Monitoring
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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 2018 Air, Space & Cyber Conference

On behalf of the Air Force Association, we welcome you to our 2018 Air, Space & Cyber Conference. This annual event is the premier professional development event for airpower advocates, allies, industry partners, DOD leaders, and Airmen for Life.

Themed “Multi-Domain Operations: Leveraging the Full Spectrum,” this year’s conference will focus on how the Air Force uses multi-domain operations to deliver capabilities across air, space, and cyberspace.

We are excited to welcome back to our conference this year Secretary of the Air Force Heather Wilson, who will address the conference on “The Air Force We Need” on Monday morning, 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, to deliver his address on “Taking Care of Airmen from the Ground Up” on Wednesday morning.

This year, we are also thrilled to have SpaceX President and COO, Gwynne Shotwell, with us to speak about the Air Force’s involvement in space. Blue Origin Founder and Amazon Founder & CEO, Jeff Bezos, will also take the stage alongside General John Raymond, Commander of Air Force Space Command, to discuss innovation in space and the roles industry and government play in its future.

2018 marks the 100th anniversary of AFA’s Air Force Magazine. Throughout the conference, we welcome you to peruse the history of this outstanding publication and the magazine’s unmatched coverage of the Air Force which predates the establishment of the United States Air Force as a separate military branch.

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

We also invite you to participate in more than 30 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 United States Combatant Commanders, Major Command Commanders, and industry thought leaders.

Our mission at the Air Force Association is to promote aerospace power – that’s air and space power – and a dominant United States Air Force, and we proudly stand beside you throughout your journey as an Airman for Life. Please visit AFA’s booth outside the main ballroom to learn more about your Air Force Association and join 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 hope you enjoy everything here over the next few days.

Sincerely,

F. Whitten Peters
Chairman of the Board
Air Force Association

Larry O. Spencer
President
Air Force Association
WHAT’S IMPOSSIBLE TODAY
WON’T BE TOMORROW.

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

As of August 28th.
For updated information, please refer to our mobile app.
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Founded in 2001, Bohemia Interactive Simulations (BISim) is a global software company at the forefront of simulation training solutions for defense and civilian organizations. BISim utilizes the latest game-based technology and a large, experienced in-house team of engineers to develop high-fidelity, cost-effective training and simulation software products and components for defense applications. Learn more at bismulations.com

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Decision Lens is software delivering the complete process for identifying, prioritizing, analyzing, and measuring which investments, projects, and resources will deliver the highest returns. Decision Lens combines valuable organizational data with professional military judgements (PMJ) to establish priorities in an efficient, intelligent framework. Competency areas include: Budget Allocation/FOM decision Investment Prioritization, Risk/Trade off Analysis, and Workforce Planning/Allocation. www.decisionlens.com

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General Dynamics Mission Systems  Booth 1123
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SAIC  Booth 449
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Secretary of the Air Force Office of Small Business (SAF/SB)  Booth 140
Secretary of the Air Force Office of Small Business Programs (SAF/SB) works with all of the Air Force acquisition/requirements communities to ensure maximum practicable opportunities for small business participation, thereby, (a) promoting efficiencies and innovation, (b) fostering competition, and (c) expanding the defense industrial base. Headquartered in the Pentagon, SAF/SB is creating a culture that looks to small businesses first for innovative, agile, and affordable solutions to meet our warfighter needs.

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Omaga Air

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LIST OF EXHIBITORS

Secretary of the Air Force, International Affairs  Booth 134
Welcome to the Secretary of the Air Force International Affairs booth. Find out about Military and Civilian security cooperation opportunities.

Siemens Government Technologies, Inc.  Booth 111
Prepares for a hands-on immersion in how aerospace design and electric propulsion integration is made possible with Siemens Teamwork® suite of PLM tools; see electric motors with world record breaking power density; learn about electric and hybrid electric propulsion and the benefits; and come see how Siemens is leveraging digitalization, digital twins and the digital thread to transform design and production processes across a product lifecycle from ideation to end of service life.

Sierra Nevada Corporation  Booth 510
Recognized as one of “The World’s Top 10 Most Innovative Companies in Space,” SNC provides customer-focused advanced technology solutions in the areas of space, aviation and defense. SNC’s diversification includes 4 divisions: aerospace, aviation, defense, and cybersecurity. SNC works with defense and government organizations, industry, and academia to improve software-intensive systems. www.cmsu.edu

Software Engineering Institute, Carnegie Mellon University  Booth 148
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Space Dynamics Laboratory  Booth 1396
SDL has been solving the technical challenges faced by the military, science, community, and industry since 1959. 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 249
Spirit AeroSystems designs and builds aerostuctures 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.

Squadron Officer School  Booth 1314
Squadron Officer School (SOS) is located at Maxwell Air Force Base, Alabama, SOS is the Air Force’s center for primary developmental education for Air Force Officers in the rank of Captain. SOS fulfills this role by educating and mentoring its students during the most crucial period of their development, their early, formative years as current and future leaders. -Colonel Wayne W. Straw Commander, Squadron Officer School

SRC, Inc.  Booth 240
SRC, 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 possible® for the challenges faced by America and its allies. For more information, visit www.srcinc.com

Tactical Air Support  Booth 246
Tactical Air Support Inc. (TacAir) specializes in advanced tactical air training support with a cadre of former fighter weapons school and operational commanders, instructors and test pilots. We provide the benefits of a cost-effective commercial center of excellence. TacAir mirrors the mission areas of a lighter weapons school. Our operationally current instructor cadre, provides advanced flight training, subject matter expertise, tactics development & evaluation, and academic training.

The Citadel Graduate College  Booth 1304
The Citadel Graduate College (CGC) strives to provide quality service and assistance to our students. We offer 26 graduate degree programs with 41 concentration options, 25 graduate certificate programs, and 10 evening undergraduate programs. Because our classes are offered in the evenings, we excel in providing a quality education that is tailored around our students’ professions, family and lifestyles.

Thinklogical, A Belden Brand  Booth 1237
Thinklogical, A Belden Brand manufactures IA-accredited KVM and video extension and switching systems certified to manage multiple classifications of information through a single switch, reducing the requirement to air-gap networking and increasing cyber security. True “IA switching” of mission critical video and data is possible in command and control, enabling instant situational awareness. Common Criteria EAL4, NATO NIAPC, TEMPEST SDIP 27 Level B and U.S. DoD DISA JITC UC APL 2013. www.thinklogical.com

Tobyhanna Army Depot  Booth 146
Tobyhanna Army Depot is a recognized leader in providing World-Class Logistics Support for Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) Systems across the Department of Defense. Tobyhanna’s Corporate Philosophy, dedicated workforce and electronics expertise ensure the depot is the Joint C4ISR provider of choice for all branches of the Armed Forces and our industry partners. www.tobyhanna.army.mil

Top Aces  Booth 281
Top Aces provides Contracted Air Services with the world’s largest privately-owned, operational fleet of advanced fighter aircraft. With 65,000 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

USAFA  Booth 615
For over 90 years, USAFA has proudly served the financial needs of the military and their families. With USAFA, you’re more than a member, you’re part of the family we serve. Learn more at usafa.com or call 800-531-USAFA.

UTC Aerospace Systems  Booth 623
UTC Aerospace Systems is a leading global supplier of systems and services to the aerospace and defense industry. Personnel count is more than 41,000 with approximate annual sales of $14.5 billion. UTC Aerospace Systems designs, manufactures and services systems and components which protect lives, ensure mission success, navigate our capabilities range from airborne systems aboard fighters, helicopters and UAVs to handheld and soldier-mounted equipment. www.utcaerospacessystems.com

Veterans United  Booth 1334
Veterans United Home Loans is a dedicated VA loan provider that financed more than $10.2 billion in 2017. We are proud to be ranked No. 1 VA Purchase lender in the Nation in FY 2017. At VeteransUnited.com, Hometseven Academy gives Veterans access to a complete homebuying guide build by our VA Loan experts. Veterans United is a VA-approved lender but is not associated with the Department of Veterans Affairs or any other government agency. Mortgage Research Center-NMLS #1907. www.veteransunited.com

Waldorf University  Booth 945
Waldorf University offers education to military members, veterans and their families in an effort to help them succeed in their career goals. Tuition is set at the TA level of $250, and books are no cost! Regionally Accredited! Scholarships for military spouses and dependents available! AU-ABC select university. www.waldorf.edu

ZMicro  Booth 104
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 at their highest capacity in harsh environments. Our ruggedized products include displays, computers, servers, handsets, data storage, video enhancement, video management resources, and much more. www.zmicro.com

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Air Education and Training Command
Air Education and Training Command Booths PBL20-22
AETC recruits, trains and educates Airmen to deliver 21st Century Airpower, inspiring and developing Mach-21 Airmen. AETC invests in immersive technology, data-enabled force development, strategic technology and education partnerships, as well as transformative operations to drive innovation and change. Headquartered at Joint Base San Antonio-Randolph, AETC spans 23 wings at 10 installations, with 61,000 Total Force Airmen and almost 1,500 assigned aircraft, responsible for both the flying and technical training missions. www.aetc.af.mil

Air Force Association
The Air Force Association (AFA) is a nonprofit, independent, professional military and aviation 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

Air Force Assistance Fund
Air Force Assistance Fund Booth PBL7
The Air Force Enlisted Village provides homes and care to surviving spouses of retired enlisted Airmen. Today, our community located just outside of Eglin AFB, is home to nearly 500 residents living in our 352 independent living and 60 assisted living apartments. www.afven.us

Air Force Historical Foundation
Air Force Historical Foundation Booth PBL17
Educate our country about the contribution of Air Power to our nation’s defense by developing 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.hqafsa.org

Air Force Sergeants Association
Air Force Sergeants Association Booth PBL12
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 #weareAFSA

Air Force Wounded Warrior Program (AFW2)
Air Force Wounded Warrior Program (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.wounded.warrior.af.mil
Forget cars – we make advanced jet engines for the US military. At our high-tech facilities in Indianapolis, Virginia and around the US, thousands of skilled Americans work every day to deliver the engines needed to power US military air crews to their missions – and back home safely. American-made jet engines, from Rolls-Royce North America.

www.AmericanMadeJetEngines.com
LIST OF EXHIBITORS

Blue Skies of Texas  Booth PBL6
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 meet your every need: Independent Living, Assisted Living, Skilled Nursing, Short-Term Rehab, Memory Care, and Hospice. Our dedicated and caring teams of professionals remain committed to enriching the Physical and Mental well-being of every resident.

Civil Air Patrol  Booth PBL10
Civil Air Patrol is the official Auxiliary of the Air Force and a congressionally-chartered non-profit. With over 560 single-engine aircraft and 60,000 volunteers, it flies missions as a Total Force partner supporting 90 percent of inland search missions among other critical, non-combatant homeland priorities. Its weekly youth programs and STEM outreach support thousands of communities. For more information and to learn how you can join, visit us at www.gocivilairpatrol.com

CyberPatriot  Booth PBL4
CyberPatriot is the National Youth Cyber Education Program created by the Air Force Association to inspire K-12 students toward careers in cybersecurity or other STEM disciplines. The program features the National Youth Cyber Defense Competition for middle and high school students, AFA CyberCamps, an Elementary School Cyber Education Initiative, the Cyber Education Literature Series, and CyberGenerations - the Senior Citizen’s Guide to Cyber Safety. www.cyberpatriot.org

Defense News / Air Force Times  Booth PBL11
Defense News is the authoritative news source for the world’s defense decision-makers. It provides global coverage on defense policies, politics, legislation, programs, budgets, and more. Air Force Times is a trusted source for news and information on the most important issues affecting airmen in their careers and personal lives such as military news, financial services, pay, benefits, transitioning to civilian life and more. For information visit defensesnews.com and airforcetimes.com

DeVryWorks  Booth PBL9
DeVryWorks is a community of academic and business leaders who work together to build practical capability based on relevant academic resources, practitioner experiences in rapidly changing competitive environments. The community is comprised of experienced faculty at DeVry University and Keller Graduate School of Management, along with committed industry leaders focused on building long-term business acumen and results. www.devryworks.com

DoD Spouse Education and Career Opportunities Program  Booth PBL13
The Department of Defense established the Spouse Education Career Opportunities program to provide education and career guidance to military spouses worldwide, offering comprehensive resources and tools related to career exploration, education, training and licensing, employment readiness and career connections. Three main components of the SECO program are: the Military OneSource SECO Career Center, the My Career Advancement Account Scholarship, and the Military Spouse Employment Partnership.

Embry-Riddle Aeronautical University  Booth PBL9
Founded in 1926, Embry-Riddle stands as the largest and oldest aviation-focused university in the world. A pioneer in education, the university was one of the first institutions to offer distance learning through its Worldwide campus. Today, Embry-Riddle Worldwide educates 22,000 students online, at-home and face-to-face at 130 locations around the world, and has been ranked by U.S. News & World Report as one of the nation’s top five online educators for the last five years. www.erau.edu

Industrial College of the Armed Forces/ES Alumni Association  Booth PBL14
The Alumni Association of the Industrial College of the Armed Forces (ICAF), now the Dwight D. Eisenhower School (ES) for National Security and Resource Strategy is a 501(c)(3) educational nonprofit organization comprised of over 1,600 vetted members. Our team of Soldiers, Sailors, Airmen, Marines, Veterans, and many others are committed to the development of the American Cyber Profession and serving the values of Loyalty, Duty, and Excellence. public.milcyber.org/chapters/her

Military Cyber Professionals Association  Booth PBL15
Our mission is to develop American Cyber Professionals and invest in our nation’s future through Science, Technology, Engineering, and Mathematics (STEM) education focused on K-12 students. MCPA is a 501(c)(3) educational nonprofit organization comprised of over 1,600 vetted members. Our team of Soldiers, Sailors, Airmen, Marines, Veterans, and many others are committed to the development of the American Cyber Profession and serving the values of Loyalty, Duty, and Excellence. public.milcyber.org/chapters/her

Military OneSource  Booth PBL18
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 members, survivors and their families. Our confidential support services include specialty consultations on topics from financial counseling and tax filing assistance, to special needs support and wounded warrior resources. Call 800-342-9647 or visit MilitaryOneSource.mil today!

Missile Defense Agency  Booth PBL23
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  Booth B.5
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: MitchellInstituteforAerospacepower.org

Tragedy Assistance Program for Survivors (TAPS)  Booth PBL8
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. taps.org

United Through Reading  Booth PBL16
United Through Reading is a nonprofit 501(c)(3) public benefit organization dedicated to uniting U.S. military families who face physical separation by facilitating the bonding experience of reading aloud together. In more than 200 locations worldwide, United Through Reading offers military service members the opportunity to be video-recorded reading books to their children at home. Our program creates emotional connections between parents and their children, encourages literacy, and makes homecomings easier. www.unitedthroughreading.org

Wounded Warrior Project  Booth PBL5
Wounded Warrior Project (WWP) serves veterans and service members who incurred a physical or mental injury, illness, or wound while serving in the military on or after September 11, 2001. Family members of these warriors are also eligible for free WWP programs and services. Since 2003, WWP has been meeting the growing needs of warriors, their families, and caregivers – helping them achieve their highest ambition. For more information visit: www.woundedwarriorproject.org

Warrior Canine Connection  Roaming Booth
Warrior Canine Connection enlists Service Members and Veterans with combat stress in the critical mission of training service dogs for fellow injured Veterans. This Mission Based Trauma Recovery program provides participants with a sense of purpose, help in reintegrating back into their families and communities, and a potential career path as a service dog trainer.

No software. Nothing to download.
L3’s solution for the C-130H Avionics Modernization Program Increment 2 combines the best of breed from certified avionics modernization products currently deployed in combat and under the harshest environmental conditions. Our state-of-the-art solution ensures CNS/ATM compliance and future worldwide airspace access for the next 30 years. In addition, it enhances aircraft availability and mission effectiveness by increasing reliability, performance and capability at an affordable price.
MULTI-DOMAIN OPERATIONS:
LEVERAGING THE FULL SPECTRUM
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<td>7:30 a.m. – 6:00 p.m.</td>
<td>AFA Registration Desk</td>
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<td>8:00 a.m. – 6:00 p.m.</td>
<td>AFA Registration Desk</td>
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<tr>
<td>7:00 a.m. - 7:30 p.m.</td>
<td>Potomac Foyer</td>
<td>Attendee Morning Coffee</td>
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<tr>
<td>7:00 a.m. - 8:45 a.m.</td>
<td>Potomac A/B</td>
<td>Air, Space &amp; Cyber Conference Opening and Award Ceremonies</td>
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<tr>
<td>9:00 a.m. - 10:30 a.m.</td>
<td>Potomac A/B</td>
<td>The Air Force We Need</td>
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<td>10:30 a.m. - 11:10 a.m.</td>
<td>Potomac A/B</td>
<td>The Honorable Heather Wilson, Secretary of the Air Force</td>
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<td>11:10 a.m. - 11:15 a.m.</td>
<td>Potomac A/B</td>
<td>Technology Exposition Ribbon Cutting</td>
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<tr>
<td>11:15 a.m. - 4:00 p.m.</td>
<td>Exhibit Hall CDE</td>
<td>Technology Exposition Open</td>
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<tr>
<td>11:15 a.m. - 1:00 p.m.</td>
<td>Exhibit Hall CDE</td>
<td>Lunch Break</td>
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<tr>
<td>1:00 p.m. - 1:45 p.m.</td>
<td>Potomac A/B</td>
<td>Panel: Fighting Under Fire - Projecting Power in the 21st Century</td>
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<tr>
<td>1:00 p.m. - 1:45 p.m.</td>
<td>Potomac C</td>
<td>The Force We Present</td>
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<td>1:00 p.m. - 1:45 p.m.</td>
<td>Potomac D</td>
<td>Panel: Cyber Operations in a Multi-Domain Environment</td>
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<tr>
<td>1:00 p.m. - 1:45 p.m.</td>
<td>Potomac 1-3</td>
<td>Panel: Tools for Speed</td>
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<tr>
<td>1:55 p.m. - 2:40 p.m.</td>
<td>Potomac A/B</td>
<td>Air Force Personnel Update</td>
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<td>1:55 p.m. - 2:40 p.m.</td>
<td>Potomac C</td>
<td>Panel: Multi-Domain Operations: Managing the Vulnerabilities</td>
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<tr>
<td>1:55 p.m. - 2:40 p.m.</td>
<td>Potomac D</td>
<td>Panel: Agility in Acquisitions: Improving Pathways for Small Business</td>
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<td>1:55 p.m. - 2:40 p.m.</td>
<td>Potomac 1-3</td>
<td><strong>Panel: Securing 21st Century Combat Effects: The Munitions Revolution</strong>&lt;br&gt;Maj Gen Lawrence A. Stutzriem, USAF (Ret.), Director of Research, Mitchell Institute for Aerospace Studies&lt;br&gt;Col Garry Hasse, Commander and Director for the Munitions Directorate, Air Force Research Laboratory&lt;br&gt;Roderick Daebelliehn, Director, Tactical Systems, Aerojet Rocketdyne&lt;br&gt;Dr. John S. Wilcox, Director for Munitions Directorate, Air Force Research Laboratory</td>
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<td>2:40 p.m. - 3:40 p.m.</td>
<td>Exhibit Hall CDE</td>
<td><strong>Coffee Break</strong></td>
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<td>3:40 p.m. - 4:25 p.m.</td>
<td>Potomac A/B</td>
<td><strong>SpaceX Remarks</strong>&lt;br&gt;Gwynne Shotwell, President and Chief Operating Officer, SpaceX</td>
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<td>3:40 p.m. - 4:25 p.m.</td>
<td>Potomac C</td>
<td><strong>Enlisted Perspective</strong>&lt;br&gt;CSM Patrick Alston, USA (Ret.), Frmr Command Senior Enlisted Leader, US Strategic Command</td>
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<td>3:40 p.m. - 4:25 p.m.</td>
<td>Potomac D</td>
<td><strong>Panel: 21st Century Network Resiliency</strong>&lt;br&gt;Lt Gen William J. Bender, USAF (Ret.), Senior Vice President of Strategic Account and Government Relations, Leidos&lt;br&gt;Maj Gen Gregory A. Feest, USAF (Ret.), Vice President of USAF Strategic Advanced Programs, L-3 Communications&lt;br&gt;Col Lance H. Spencer, USAF (Ret.), Mission Executive, Defense Segment, AT&amp;T Business&lt;br&gt;CAPT Andrew Stewart, USN (Ret.), Strategic Programs Manager, Cisco&lt;br&gt;Heather Penney, Senior Resident Fellow, AFA’s Mitchell Institute for Aerospace Studies&lt;br&gt;Derek Strausbaugh, Chief Digital Officer, Defense, Microsoft</td>
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<td>3:40 p.m. - 4:25 p.m.</td>
<td>Potomac 1-3</td>
<td><strong>Panel: Air Force Acquisitions</strong>&lt;br&gt;Lt Gen John F. Thompson, Commander, Space and Missile Systems Center, Air Force Space Command&lt;br&gt;Lt Gen Arnold W. Bunch Jr., Military Deputy, Office of the Assistant Secretary of the Air Force for Acquisition&lt;br&gt;Lt Gen Charles R. Davis, USAF (Ret.), Senior Vice President of Strategy for Aerospace Systems Business Segment, L3 Technologies, Inc.&lt;br&gt;Valerie Muck, Director, Air Force Small Business Programs</td>
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<tr>
<td>5:45 p.m. - 7:15 p.m.</td>
<td>Exhibit Hall CDE</td>
<td><strong>Outstanding Airmen of the Year Reception</strong> (Ticket Required)</td>
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<td>7:30 p.m. - 10:00 p.m.</td>
<td>Potomac A/B</td>
<td><strong>Outstanding Airmen of the Year Dinner</strong> (Ticket Required)</td>
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<tr>
<td><strong>Tuesday, September 18, 2018</strong></td>
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<td><strong>Panel: Acquisition Reform - Prototyping, Sustainment, PEO Digital, and the Future of Acquisition</strong>&lt;br&gt;Lt Gen John F. Thompson, Commander, Space and Missile Systems Center, Air Force Space Command&lt;br&gt;Lt Gen Robert D. McMurry Jr., Acting Commander, Air Force Materiel Command&lt;br&gt;Jack Blackhurst, Executive Director, Air Force Research Laboratory&lt;br&gt;Randall G. Walden, Director and Program Executive Officer, Air Force Rapid Capabilities Office&lt;br&gt;Steven D. Wert, Program Executive Officer for Digital, Air Force Life Cycle Management Center</td>
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### SCHEDULE OF EVENTS
As of August 28th.
For updated information, please refer to our mobile app.

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<td>Tuesday, September 18, 2018 (continued)</td>
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| 9:00 a.m. - 9:45 a.m. | Potomac C | **Book Discussion: Perspectives on Leadership**  
Gen Michael V. Hayden, USAF (Ret.), Principal, The Chertoff Group and Author, The Assault on Intelligence  
Gen Norton A. Schwartz, USAF (Ret.), President & CEO, Business Executives  
for National Security and Author, Journey: Memoirs of an Air Force Chief of Staff  
CMSAF James A. Roy, USAF (Ret.), Senior Director, Operation Testing, Scientific Research Corporation and Author, Breaching the Summit  
CMSgt Denise Jelinski-Hall, USAF (Ret.), Author, From the Prairie to the Pentagon |
| 9:00 a.m. - 9:45 a.m. | Potomac D | **Spouse and Family Forum Keynote Address**  
Kristen Christy, Air Force Spouse of the Year |
| 9:00 a.m. - 9:45 a.m. | Potomac 1-3 | **Panel: Sustainment: New Opportunities and Challenges**  
The Honorable Robert H. McMahon, Assistant Secretary of Defense, Logistics and Materiel Readiness  
Lt Gen Bruce A. Litchfield, USAF (Ret.), Vice President of Sustainment Operations, Aeronautics, Lockheed Martin  
Steve Hampson, Director, Guidehouse  
Frank Washburn, Director, F-35 Hybrid Product Support Integrator Transition Operations, Joint Strike Fighter Program Office |
| 9:30 a.m. - 4:00 p.m. | Exhibit Hall CDE | **Technology Exposition Open**                                    |
| 9:45 a.m. - 10:45 a.m. | Exhibit Hall CDE | **Coffee Break**                                   |
| 10:45 a.m. - 11:45 a.m. | Potomac A/B | **Air Force Update**  
Gen David L. Goldfein, Chief of Staff of the Air Force |
| 11:45 a.m. - 1:15 p.m. | Exhibit Hall CDE | **Lunch Break**                                    |
| 1:15 p.m. - 2:00 p.m. | Potomac A/B | **Panel: Overcoming the National Pilot Shortage**  
Gen Joseph L. Lengyel, Chief of the National Guard Bureau  
Gen James M. Holmes, Commander, Air Combat Command  
Gen Maryanne Miller, Commander, Air Mobility Command  
Gene Colabatistto, Group President, Defence & Security, CAE  
Jim Graham, Senior Vice President Flight Operations, Delta Air Lines |
| 1:15 p.m. - 2:00 p.m. | Potomac C | **Panel: The Air Force We Need: Outside Perspectives**  
Col John "JV" Venable, USAF (Ret.), Senior Research Fellow for Defense Policy, The Heritage Foundation  
Mackenzie Eaglen, Resident Fellow, American Enterprise Institute  
Dr. Michael E. O’Hanlon, Senior Fellow, The Brookings Institution |
| 1:15 p.m. - 2:00 p.m. | Potomac D | **Panel: Military Spouse Employment**  
Eric Eversole, Vice President, U.S. Chamber of Commerce and President, Hiring our Heroes  
Jen Griswold, Military Spouse and Entrepreneur  
Melinda Manyx, Curriculum Program Manager, Transition to Veterans Program Office, DOD  
Mel McGuire, Deputy Director for Civilian Force Management |
| 1:15 p.m. - 2:00 p.m. | Potomac 1-3 | **Panel: Global Reach, Global Power: Building the Future Bomber Force America Needs**  
Gen Stephen W. Wilson, Vice Chief of Staff of the Air Force  
Gen Timothy M. Ray, Commander, Air Force Global Strike Command  
Lt Gen David A. Deptula, USAF (Ret.), Dean, AFA’s Mitchell Institute for Aerospace Studies  
Lt Gen Robert J. Elder, Jr., USAF (Ret.), Research Faculty, Center for Secure Information Systems, George Mason University |
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<td>Jay Hone, Spouse of the Secretary of the Air Force</td>
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<td>Gen David L. Goldfein, Chief of Staff of the Air Force</td>
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<td>Dawn Goldfein, Spouse of the Chief of Staff of the Air Force</td>
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<td>CMSAF Kaleth O. Wright, Chief Master Sergeant of the Air Force</td>
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<td>Tonya Wright, Spouse of the Chief Master Sergeant of the Air Force</td>
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<td>2:55 p.m. - 3:55 p.m.</td>
<td>Exhibit Hall CDE</td>
<td><strong>Coffee Break</strong></td>
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<tr>
<td>3:55 p.m. - 4:40 p.m.</td>
<td>Potomac A/B</td>
<td><strong>Panel: Transforming Large Enterprises in an Internet-of-Things World</strong></td>
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<td>Gen Stephen W. Wilson, Vice Chief of Staff of the Air Force</td>
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<td>Thaddeus Arroyo, Chief Executive Officer, AT&amp;T Business</td>
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<td>Anthony Grieco, Global Trust Strategy Executive for Digitization, Security and</td>
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<td>Trust Organization, Cisco</td>
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<td>3:55 p.m. - 4:40 p.m.</td>
<td>Potomac C</td>
<td><strong>Panel: Total Force</strong></td>
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<td>Gen Joseph L. Lengyel, Chief of the National Guard Bureau</td>
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<td>The Honorable Shon J. Manasco, Assistant Secretary of the Air Force for Manpower</td>
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<td>and Reserve Affairs</td>
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<td>Gen James M. Holmes, Commander, Air Combat Command</td>
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<td>Lt Gen L. Scott Rice, Director, Air National Guard</td>
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<td>Maj Gen Derek P. Rydholm, Acting Chief of Air Force Reserve and Acting Commander,</td>
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<td>3:55 p.m. - 4:40 p.m.</td>
<td>Potomac D</td>
<td><strong>Panel: Fostering Resilient Airmen and Families</strong></td>
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<td>CMSAF Kaleth O. Wright, Chief Master Sergeant of the Air Force</td>
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<td>Brig Gen Michael E. Martin, Director, Air Force Integrated Resilience</td>
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<td>Col Michael J. Flatten, Director, Air Force Wounded Warrior Program</td>
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<td>Dr. Adam Kaplin, Assistant Professor, Johns Hopkins University School of Medicine</td>
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<td>Dr. Leanne Young, Executive Director, Brain Performance Institute</td>
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<td>3:55 p.m. - 4:40 p.m.</td>
<td>Potomac 1-3</td>
<td><strong>Panel: Pilot Training Next</strong></td>
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<td>Lt Gen Steven L. Kwast, Commander, Air Education and Training Command</td>
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<td>Lt Col Gabriel S. Arrington, Commander, 12th Operations Support Squadron</td>
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<td>Lt Col Justin Chandler, Commander, 99th Flying Training Squadron</td>
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<td>Lt Col Eric Frahm, AETC Chief Innovation Officer</td>
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<td>Lt Col Matthew Strohmeyer, Commander, 560th Flying Training Squadron</td>
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<td>Lt Col Robert Vicars, Project Lead, Pilot Training Next</td>
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### SCHEDULE OF EVENTS

**As of August 28th.**
For updated information, please refer to our mobile app.

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<th>TIME</th>
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<tr>
<td>7:30 a.m. – 7:30 p.m.</td>
<td>AFA Registration Desk</td>
<td>Registration</td>
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<tr>
<td>7:00 a.m. – 8:15 a.m.</td>
<td>Potomac Foyer</td>
<td>Attendee Morning Coffee</td>
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<tr>
<td>8:30 a.m. – 9:15 a.m.</td>
<td>Potomac A/B</td>
<td><strong>Panel: Today’s Air Force - Senior Leader Perspectives</strong></td>
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<td>Gen David L. Golfein, Chief of Staff of the Air Force</td>
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<td>Gen Stephen W. Wilson, Vice Chief of Staff of the Air Force</td>
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<td>Gen Tod D. Wolters, Commander, U.S. Air Forces in Europe;</td>
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<td>Commander, U.S. Air Forces Africa; Commander, Allied Air Command</td>
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<td>Gen John W. Raymond, Commander, Air Force Space Command</td>
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<td>Gen James M. Holmes, Commander, Air Combat Command</td>
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<td>Gen Charles O. Brown Jr., Commander, Pacific Air Forces; Air Component Commander for</td>
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<td>U.S. Indo-Pacific Command; and Executive Director, Pacific Air Combat Operations Staff</td>
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<td>Gen Timothy M. Ray, Commander, Air Force Global Strike Command</td>
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<td>Gen Maryanne Miller, Commander, Air Mobility Command</td>
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<td>CMSAF Kaleth O. Wright, Chief Master Sergeant of the Air Force</td>
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<td>Lt Gen Marshall B. Webb, Commander, Air Force Special Operations Command</td>
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<td>Lt Gen Steven L. Kwast, Commander, Air Education and Training Command</td>
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<td>Lt Gen Robert D. McMurry Jr., Acting Commander, Air Force Materiel Command</td>
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<td>Maj Gen Derek P. Rydholm, Acting Chief of Air Force Reserve and Acting Commander,</td>
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<td>9:00 a.m. – 4:00 p.m.</td>
<td>Exhibit Hall CDE</td>
<td>Technology Exposition Open</td>
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<td>9:15 a.m. – 10:15 a.m.</td>
<td>Exhibit Hall CDE</td>
<td>Coffee Break</td>
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<tr>
<td>10:15 a.m. – 11:15 a.m.</td>
<td>Potomac A/B</td>
<td><strong>Taking Care of Airmen from the Ground Up</strong></td>
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<td>CMSAF Kaleth O. Wright, Chief Master Sergeant of the Air Force</td>
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<tr>
<td>11:15 a.m. – 1:00 p.m.</td>
<td>Exhibit Hall CDE</td>
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<tr>
<td>1:00 p.m. – 1:45 p.m.</td>
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<td><strong>Address from the Deputy Secretary of Defense</strong></td>
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<td>The Honorable Patrick M. Shanahan, Deputy Secretary of Defense</td>
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<tr>
<td>1:00 p.m. – 1:45 p.m.</td>
<td>Potomac C</td>
<td><strong>Panel: Enlisted Leadership Perspectives</strong></td>
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<td>CMSAF Eric W. Benken, USAF (Ret.), 12th Chief Master Sergeant of the Air Force and</td>
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<td>Director, USAA Military Affairs Relationship</td>
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<td>CMSAF Gerald R. Murray, USAF (Ret.), 14th Chief Master Sergeant of the Air Force and</td>
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<td>Director, Enterprise Sustainment/Hill AFB at Lockheed Martin Aeronautics</td>
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<td>CMSAF James A. Roy, USAF (Ret.), 16th Chief Master Sergeant of the Air Force and Senior Director, Operation Testing, Scientific Research Corporation</td>
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<tr>
<td>1:55 p.m. – 2:40 p.m.</td>
<td>Potomac A/B</td>
<td><strong>Panel: Combatant Commander Perspectives on Multi-Domain Operations</strong></td>
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<td>Gen John E. Hyten, Commander, United States Strategic Command</td>
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<td>Gen Terrence J. O’Shaughnessy, Commander, United States Northern Command and North American Aerospace Defense Command</td>
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<td>2:40 p.m. – 3:40 p.m.</td>
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<td>3:40 p.m. – 4:25 p.m.</td>
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<td><strong>Keynote Address</strong></td>
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<td>Gen John W. Raymond, Commander, Air Force Space Command</td>
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<td>Jeff Bezos, Founder, Blue Origin and Founder &amp; CEO, Amazon</td>
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<tr>
<td>6:00 p.m. – 7:15 p.m.</td>
<td>Exhibit Hall CDE</td>
<td>AFA’s Air Force Birthday Reception (Ticket Required)</td>
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<tr>
<td>7:30 p.m. – 10:00 p.m.</td>
<td>Potomac A/B</td>
<td>AFA’s Air Force Birthday Dinner (Ticket Required)</td>
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</table>
Most CNS/ATM upgrades. Least risk.

Rockwell Collins is your lowest-risk choice for C-130 CNS/ATM upgrades. Our Flight2™ CNS/ATM avionics feature advanced displays and an integrated military/civil flight management system. We’ve installed, or are on contract to install, on over 800 military fixed-wing aircraft worldwide. All on schedule and on budget.

Access the global airspace with confidence.

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rockwellcollins.com/C-130upgrades

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**CSM Patrick Z. Alston, USA (Ret.)**
Former Command Senior Enlisted Leader, U.S. Strategic Command and Senior Fellow, National Defense University

Alston was responsible for the global command and control of U.S. strategic forces to meet decisive national security objectives, and is currently a senior fellow for the National Defense University’s capstone and keystone programs.

---

**Richard F. Ambrose**
Executive Vice President, Space, Lockheed Martin

Ambrose leads a significant number of programs in support of military, commercial, and national security missions at Lockheed Martin’s Space business area.

---

**Lt Col Gabriel S. Arrington**
Commander, 12th Operations Support Squadron

Arrington is responsible for 115 military and Department of Defense civilians who manage the busiest airfield in the Air Force. 12th OSS is responsible for scheduling, weather, aircrew flight equipment, airfield management, and airspace management for all 12th Operations Group training.

---

**Thaddeus Arroyo**
Chief Executive Officer, AT&T Business

Arroyo is responsible for the company’s integrated global Business Solutions organization, which serves more than 3 million business customers in nearly 200 countries and territories.

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**Steve Bailey**
Director, Wolf Den Associates LLC

Bailey is Director at Wolf Den Associates LLC.

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**Lt Gen William J. Bender, USAF (Ret.)**
Senior Vice President, Strategic Account and Government Relations, Leidos

Bender leads organization within the Business Development & Strategy Group at Leidos where he is responsible for strengthening and advancing trusted relationships with customers and advancing strategic initiatives to foster enterprise growth.

---

**CMSAF Eric W. Benken, USAF (Ret.)**
12th Chief Master Sergeant of the Air Force and Director, USAF Military Affairs Relationship

Benken is responsible for sustaining business relationships with the objective of making USAA the financial services provider of choice for service-members and their families.

---

**Jeff Bezos**
Founder, Blue Origin and Founder & CEO, Amazon

Bezos is the founder of aerospace company Blue Origin, which is working to lower the cost and increase the safety of spaceflight so that humans can better continue exploring the solar system.

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**Jack Blackhurst**
Executive Director, Air Force Research Laboratory

Blackhurst is responsible for managing the Air Force’s $2.5 billion science and technology program along with an additional $2.3 billion of externally funded research and development.

---

**Gen Charles Q. Brown Jr.**
Commander, Pacific Air Forces; Air Component Commander for U.S. Indo-Pacific Command; and Executive Director, Pacific Air Combat Operations Staff

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.

---

**Lt Gen Arnold W. Bunch Jr.**
Military Deputy, Office of the Assistant Secretary of the Air Force for Acquisition

Bunch is responsible for research and development, test, production and modernization of Air Force programs worth more than $32 billion annually.

---

**Lt Col Justin Chandler**
Commander, 99th Flying Training Squadron

Chandler leads the 99th flying Training Squadron which is integrating VR/AR/AI to redefine the way pilots are trained in order to compete with emerging great power competition.
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.

Mark C. Cherry
Vice President and General Manager of Phantom Works, Boeing
Cherry oversees an advanced research and development organization responsible for leading-edge visual modeling and simulation; innovating cross-cutting concepts and technologies; and prototyping solutions to extend current products and win new programs.

Kristen Christy
Air Force Spouse of the Year
Christy is Key Spouse for the 960th NOS, the president of the Colorado Springs Lance P. Sijan Chapter of the Air Force Association, and the incoming Military Affairs Council Vice Chair through the Colorado Springs Chamber of Commerce.

Gene Colabatistto
Group President, Defence & Security, CAE
As Group President of CAE’s Defence & Security Group, Colabatistto is responsible for business which represents approximately half of CAE’s total revenues.

Darlene Costello
Principal Deputy Assistant Secretary of the Air Force Acquisition, Technology & Logistics
Costello provides expert advice and guidance on Air Force acquisition programs and procurements and is responsible for the development and execution of policies and procedures in support of the operation and improvement of the Air Force’s acquisition system.

Roderick Daebelliehn
Director, Tactical Systems, Aerojet Rocketdyne
Daebelliehn is responsible for the support of existing tactical systems business unit products including propulsion, armaments, and energy, as well as the development of new systems and technology in the advanced programs business unit.

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.

Mackenzie Eaglen
Resident Fellow, Marilyn Ware Center for Security Studies, American Enterprise Institute
Eaglen works on defense strategy, defense budgets, and military readiness.

Devin Edwards
COO & CSO, Phoenix Operations Group
Edwards is an experience leader and developer in both the federal and private sectors, locally and abroad. His areas of expertise includes strategy, business development, big data integration, development of entity tracking software, and the design and development of enterprise mission systems.

Lt Gen Robert J. Elder, Jr., USAF (Ret.)
Research Faculty, Center for Secure Information Systems, George Mason University
Elder joined the research faculty at George Mason University following his retirement from the Air Force as the Commander of Eighth Air Force.

Maj Gen Gregory A. Feest, USAF (Ret.)
Vice President of USAF Strategic Advanced Programs, L-3 Communications
Feest is an experienced leader, skilled communicator, and exceptionally adept at building effective, productive teams.

Lt Gen Charles R. Davis, USAF (Ret.)
Senior Vice President of Strategy for Aerospace Systems Business Segment, L3 Technologies, Inc.
Davis leads a $2.6 billion reconnaissance sector specializing in development and systems systems integration of complex ISR capabilities and platforms.

Col Michael J. Flatten
Director, Air Force Wounded Warrior Program
Flatten directs the Air Force Wounded Warrior Program (AFW2), which advocates and supports more than 5,000 wounded, ill, and injured Airmen and their caregivers from initial entry into the program, through return to duty or transition from service.
SPEAKER BIOGRAPHIES

Lt Col Eric Frahm
AETC Chief Innovation Officer

Frahm is responsible for Air Education & Training Command’s efforts to reinvent the way it recruits, trains, educates, and develops the 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.

Jim Graham
Senior Vice President Flight Operations, Delta Air Lines

Graham is responsible for the overall conduct of worldwide daily flight operations pertaining to aircraft operations, policies and procedures, pilot qualifications and Federal Aviation Regulation compliance.

Anthony Grieco
Global Trust Strategy Executive for Digitization, Security and Trust Organization, Cisco

Grieco leads the Trust Strategy Office and is responsible for ensuring Cisco and its customers embed security, trust, data protection and privacy in to future strategies, solutions and business models.

Jen Griswold
Military Spouse and Entrepreneur

Griswold is a business owner, author, reservist, and an experienced leader.

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.

Gen John E. Hyten
Commander, United States Strategic Command

Hyten is responsible for the global command and control of U.S. strategic forces to meet decisive national security objectives, providing a broad range of strategic capabilities and options for the President and Secretary of Defense.

Gen Michael V. Hayden, USAF (Ret.)
Principal, The Chertoff Group

Hayden served as director of the Central Intelligence Agency and the National Security Agency and was the country’s first principal deputy director of national intelligence.

Steve Hampson
Director, Guidehouse

Hampson is a long-time aerospace and defense professional with three decades of experience in the manufacturing and maintenance of high-value and complex assets for both commercial and government use.

Col Garry A. Hasse
Commander and Director for the Munitions Directorate, Air Force Research Laboratory, Eglin Air Force Base

Hasse provides administrative and technical guidance to a staff of more than 680 military, civilian, and contractors developing air-launched conventional munitions technology.

Gen John E. Hyten
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Col Garry A. Hasse
Commander and Director for the Munitions Directorate, Air Force Research Laboratory, Eglin Air Force Base

Hasse provides administrative and technical guidance to a staff of more than 680 military, civilian, and contractors developing air-launched conventional munitions technology.
Transformation does not happen overnight. It takes time, commitment, and an understanding of the operational mission.

For over 30 years, Cisco Systems has worked hand-in-hand with the Air Force in its transformation from a point-to-point world to one that is fully connected. It was a Cisco MGS router that became the Air Force’s first widely fielded Internet Protocol (IP) component when it was deployed to connect into the newly established Defense Data Network in 1987.

Cisco’s collaboration with the Air Force has grown in the years since. Cisco routers were used to build out the first Air Force-wide enterprise network, interconnecting all bases and establishing what has become today’s AFNET. Throughout current operations—from Desert Storm to Enduring Freedom today —Cisco has provided Air Operations Centers with secure, reliable infrastructure for command and control and voice communications across the theater. Seamless air-to-ground IP communications connect airborne assets into the operational network to distribute real time video and provide secure communications in remote locations.

From Air Force One to Command and Control aircraft and Remotely Piloted Vehicles (RPAs), Cisco is collaborating with the Air Force and its industry partners in the air and on the ground.

In the near future, a system of networks will link the multi-domain battlespace into a single seamless environment, which will change the temporal structure of warfare, bringing time to the forefront to achieve tactical advantage. The characteristics of speed, agility, and synergy at the speed of light will disrupt the warfare paradigm in the digital age.

In order to achieve air superiority we must control the medium of maneuver -- the sky. Today, data has been operationalized and is the new maneuver force. To achieve data superiority we must control its medium of maneuver -- The Network. With this advantage the forces will start “winning in time” – changing the rhythm of battle to the advantage of friendly forces.

Winning in Time is not about trying to stay ahead of the curve – it’s about defining the curve across the many dimensions that together make up a military capability. This will be accomplished via a global mission fabric founded on internet protocol that enables connections among virtually any devices.

As the CSAF recently stated at the Reagan Defense Forum: “We are exiting past ‘wars-of-attrition’, and entering ‘wars-of-cognition’...I ask... Does it connect? Good...Does it share data? Good...Does it learn? Even better...I will win by seeing more than my adversary...by reacting faster than my adversary...and by overwhelming my adversary with multiple threats...That will cause my adversary to think twice...That is true deterrence...”

Born from technology and its potential to enhance military operations, the Air Force continues to set the standard for innovation. Cisco—networking the Air Force across all of its domains —is proud of its ongoing partnership with the Air Force in improving operational capabilities...connecting the Air Force
SPEAKER BIOGRAPHIES

Lt Gen Mark D. Kelly
Deputy Chief of Staff for Operations
Kelly is responsible to the Secretary of the Air Force and the Chief of Staff for formulating policy supporting air, space, cyber, and irregular warfare, counter proliferation, homeland security and weather operations.

Jason Kim
Vice President of Strategic Planning, Millennium Space Systems
Kim oversees strategic direction and business development for Millennium Space Systems, a leading manufacturer of innovative small to medium spacecraft systems that support the Intelligence Community, Department of Defense, NASA, and commercial customers.

Lt Gen Steven L. Kwast
Commander, Air Education and Training Command
Kwast provides full spectrum education, research, and outreach at every level through professional military education, professional continuing education, and academic degree granting.

Dr. Adam Kaplin
Assistant Professor, Johns Hopkins University School of Medicine
Kaplin specializes in adult psychiatry, multiple sclerosis, depression, and behavioral sciences.

Lt Gen Brian T. Kelly
Deputy Chief of Staff for Manpower, Personnel and Services
Kelly is responsible for plans and policies covering all life cycles of military and civilian personnel management, including military and civilian end strength management, education and training, compensation, resource allocation, and the worldwide U.S. Air Force services program.

Ulick McEvaddy
Founder and Director, Omega Air
McEvaddy was a commissioned officer in the Irish Army before launching Omega Air, a U.S. corporation specializing in the sale, lease, and modification of aircraft, which remains the world’s only commercial provider of contract air-to-air refueling services.

Lt Gen Bruce A. Litchfield, USAF (Ret.)
Vice President of Sustainment Operations, Aeronautics, Lockheed Martin
Litchfield leads the execution of Lockheed Martin’s Aeronautics global sustainment business.

Lt Gen Steven L. Kwast
Commander, Air Education and Training Command
Kwast provides full spectrum education, research, and outreach at every level through professional military education, professional continuing education, and academic degree granting.

Gen Joseph L. Lengyel
Chief of the National Guard Bureau
Lengyel is responsible for ensuring that the more than 453,000 Army and Air National Guard personnel are accessible, capable and ready to protect the homeland and to provide combat ready resources to the Army and Air Force.

The Honorable Shon J. Manasco
Assistant Secretary of the Air Force for Manpower and Reserve Affairs
Manasco is responsible for the supervision of manpower, military and civilian personnel, Reserve component affairs, and readiness support for the Department of the Air Force.

Melinda Manyx
Curriculum Program Manager, Transition to Veterans Program Office, Department of Defense
Manyx is responsible for the maintaining, developing and implementing the curriculum portion of the Department of Defense Transition Assistance Program (TAP).

Brig Gen Michael E. Martin
Director, Air Force Integrated Resilience
Martin is responsible for providing strategic solutions that maximize resilience and normalize help-seeking behavior as strength, and for delivering the most effective prevention and response to interpersonal and self-directed violence through engaging Airmen and their families early, and pushing professional help to our Airmen in their units.

CMSgt Denise Jelinski-Hall, USAF (Ret.)
Author, From the Prairie to the Pentagon
Jelinski-Hall is an internationally renowned speaker and author. She served as the Senior Enlisted Advisor to the Chief of the National Guard Bureau, and achieved the highest position held by an enlisted woman in the U.S. military.

Gen Joseph L. Lengyel
Chief of the National Guard Bureau
Lengyel is responsible for ensuring that the more than 453,000 Army and Air National Guard personnel are accessible, capable and ready to protect the homeland and to provide combat ready resources to the Army and Air Force.

Lt Gen Bruce A. Litchfield, USAF (Ret.)
Vice President of Sustainment Operations, Aeronautics, Lockheed Martin
Litchfield leads the execution of Lockheed Martin’s Aeronautics global sustainment business.

The Honorable Shon J. Manasco
Assistant Secretary of the Air Force for Manpower and Reserve Affairs
Manasco is responsible for the supervision of manpower, military and civilian personnel, Reserve component affairs, and readiness support for the Department of the Air Force.

Melinda Manyx
Curriculum Program Manager, Transition to Veterans Program Office, Department of Defense
Manyx is responsible for the maintaining, developing and implementing the curriculum portion of the Department of Defense Transition Assistance Program (TAP).

Brig Gen Michael E. Martin
Director, Air Force Integrated Resilience
Martin is responsible for providing strategic solutions that maximize resilience and normalize help-seeking behavior as strength, and for delivering the most effective prevention and response to interpersonal and self-directed violence through engaging Airmen and their families early, and pushing professional help to our Airmen in their units.

Ulick McEvaddy
Founder and Director, Omega Air
McEvaddy was a commissioned officer in the Irish Army before launching Omega Air, a U.S. corporation specializing in the sale, lease, and modification of aircraft, which remains the world’s only commercial provider of contract air-to-air refueling services.
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SPEAKER BIOGRAPHIES

Valerie Muck  
**Director, Air Force Small Business Programs**  
Muck is responsible for policy, advocacy, execution and advice pertaining to Small Business Programs and personnel throughout the Department.

CMSAF Gerald R. Murray, USAF (Ret.)  
**14th Chief Master Sergeant of the Air Force, Director, Enterprise Sustainment/Hill AFB at Lockheed Martin Aeronautics**  
Murray serves as the primary onsite aeronautics customer interface, senior company advisor and advocate for all aeronautics life cycle sustainment and support activities at Hill AFB, UT.

Dr. Michael E. O’Hanlon  
**Senior Fellow, The Brookings Institution**  
O’Hanlon specializes in U.S. defense strategy, the use of military force, and American national security policy, and is director of research for the Foreign Policy program at the Brookings Institution.

Stephen Orr  
**Distinguished Systems Engineer, U.S. Public Sector, Cisco**  
Orr works with a broad range of public sector customers on network solution architectures and strategies for IP mobility, wireless, IPv6, security, and enterprise architecture designs.

Gen Terrence J. O’Shaughnessy  
**Commander, United States Northern Command and North American Aerospace Defense Command**  
O’Shaughnessy is responsible for USNORTHCOM which conducts homeland defense, civil support, and security cooperation, and NORAD which conducts aerospace warning, aerospace control, and maritime warning in the defense of North America.

Heather Penney  
**Senior Resident Fellow, AFA’s Mitchell Institute for Aerospace Studies**  
Penney conducts extensive research on cutting-edge defense policy with a focus on the leveraging the critical advantage that only aerospace power affords.

Mel McGuire  
**Deputy Director for Civilian Force Management and Deputy Chief of Staff for Manpower, Personnel and Services**  
McGuire is responsible civilian policy and procedures relating to classification, recruitment and placement, security, priority placement program, workforce shaping, and compensation programs for a civilian workforce totaling over 200,000.

The Honorable Robert H. McMahon  
**Assistant Secretary of Defense, Logistics and Materiel Readiness**  
McMahon provides oversight of logistics policies, practices, and efficiencies in support of enhanced readiness to the Warfighter and manages over $170 billion in Department of Defense logistics operations.

Lt Gen Robert D. McMurry Jr.  
**Acting Commander, Air Force Materiel Command**  
McMurry executes the critical mission of warfighter support through leading-edge science and technology, cradle-to-grave lifecycle weapon systems management, world-class developmental test and evaluation, and world-class depot maintenance and supply chain management.

Bob Merrick  
**Security Technology Leader, AT&T**  
Merrick leads AT&T’s Vulnerability Management Program in AT&T’s Chief Security Office, where he is responsible for driving strategy, communication and assurance of accurate risk management for AT&T cyber assets.

Gen Maryanne Miller  
**Commander, Air Mobility Command**  
Miller provides rapid, global mobility and sustainment for America’s armed forces.

Sujit Mohanty  
**Chief Technology Officer, Defense Department, Microsoft**  
Mohanty has worked with numerous agencies transforming how they build software across the Department of Defense, intelligence community, and civilian markets and has authored several books and white papers on cloud-native technologies and security.
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Pratt & Whitney’s F135 propulsion system for the F-35 Lightning II continues to redefine what’s possible for our customers. With improved fuel burn and thrust—as well as power and thermal management capacity—our growth options are taking the world’s most advanced fighter engine to the next level.

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**SPEAKER BIOGRAPHIES**

**Gen Timothy M. Ray**  
**Commander, Air Force Global Strike Command**  
Ray provides strategic deterrence, global strike and combat support to USSTRATCOM and other geographic combatant commands.

**Gen Norton A. Schwartz, USAF (Ret.)**  
**President and CEO, Business Executives for National Security**  
Schwartz is a former USAF Chief of Staff, the author of Journey, and leads a non-profit that provides business-driven, best practice solutions to partners in U.S. government national security enterprise.

**Gen John W. Raymond**  
**Commander, Air Force Space Command**  
Raymond is responsible for organizing, training, equipping, and maintaining mission-ready space forces and capabilities for North American Aerospace Defense Command, U.S. Strategic Command, and other combatant commands around the world.

**CMSAF James A. Roy, USAF (Ret.)**  
**16th Chief Master Sergeant of the Air Force and Senior Director, Operation Testing, Scientific Research Corporation**  
Roy remains engaged with service men and women and is focused on maturing U.S. Air Force business opportunities.

**The Honorable Patrick Shanahan**  
**Deputy Secretary of Defense**  
Shanahan supports Secretary Mattis’ efforts to fulfill three priorities: improve readiness through increased lethality, expand and strengthen alliances and partnerships, and reform how the defense department does business.

**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 105,500 Guard members and civilians in more than 90 wings and 175 geographically separated units across 213 locations throughout the 50 States, DC, Puerto Rico, Guam, and the Virgin Islands.

**Gwynne Shotwell**  
**President and Chief Operating Officer, SpaceX**  
Shotwell is responsible for the SpaceX’s day-to-day operations, as well as managing all customer and strategic relations needed to support company growth.

**Maj Gen Derek P. Rydholm**  
**Acting Chief of Air Force Reserve and Acting Commander, Air Force Reserve Command**  
Rydholm facilitates matters pertaining to the oversight of Air Force Reserve appropriations for personnel, operations and maintenance, and construction programs for a force of more than 70,000 personnel.

**Dr. Will Roper**  
**Assistant Secretary of the Air Force for Acquisition, Technology and Logistics**  
Roper is responsible for and oversees Air Force research, development and acquisition activities totaling an annual budget in excess of $40 billion for more than 465 acquisition programs.

**Dr. Rob Smith**  
**Vice President C4ISR & UAS, Lockheed Martin Rotary and Mission Systems**  
Smith leads a comprehensive portfolio of more than 100 programs that provide C4ISR services and capabilities for all branches of the U.S. military, multiple national agencies, and numerous international customers.

**Col Lance H. Spencer, USAF (Ret.)**  
**Mission Executive, Defense Segment, AT&T Business**  
Spencer is responsible for identifying, aligning and developing AT&T capabilities to meet Air Force, DOD, Joint and Coalition global operating needs to improve operational availability, resiliency and cost.

**Capt Andrew Stewart, USN (Ret.)**  
**Strategic Programs Manager, Cisco**  
Stewart develops and executes acquisition strategies, solicits proposals, and reviews technical bids and responses. With a strong background in military operations, he is a thought leader in military cyber operations, systems engineering, and capability development.
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Visit www.stellarxplorers.org

Register by October 3rd for AFA’s National Youth Cyber Defense Competition!

Visit www.uscyberpatriot.org
Randall G. Walden  
Director and Program Executive Officer, Air Force Rapid Capabilities Office  
Walden directs selected study, development, and fielding activities tasked directly by the Under Secretary of Defense for Acquisition, Technology, and Logistics, the Secretary of the Air Force, the Chief of Staff of the Air Force, and the Assistant Secretary for the Air Force for Acquisition.

Col John “JV” Venable, USAF (Ret.)  
Senior Research Fellow for Defense Policy, Center for National Defense, The Heritage Foundation  
Venable, a 25-year veteran of the U.S. Air Force, is a senior research fellow for defense policy at The Heritage Foundation where his research focuses on plans, programs, and operational capabilities of the Department of Defense.

Lt Col Matthew Strohmeyer  
Commander, 560th Flying Training Squadron  
Strohmeyer leads the team that has redesigned pilot instructor training and the Air Force squadron for a time of great-power competition by incorporating emerging technologies, new learning paradigms, and advanced data analytics.

Maj Gen Lawrence A. Stutzriem, USAF (Ret.)  
Director of Research, Mitchell Institute for Aerospace Studies  
Stutzriem is a recognized expert in national security, aerospace power, and combat aircraft operations.

Lt Gen John F. Thompson  
Commander, Space and Missile Systems Center, Air Force Space Command  
Thompson manages the research, design, development, acquisition, and sustainment of satellites and the associated command and control systems.

Frank Washburn  
Director, F-35 Hybrid Product Support Integrator Transition Operations, Joint Strike Fighter Program Office  
Washburn leads the strategy development and implementation of readiness and affordability initiatives to achieve F-35 HPSI Full Operational Capability.

Maj Gen Marshall B. Webb  
Commander, Air Force Special Operations Command  
Webb is responsible for Air Force Special Operations Command, which provides Air Force special operations forces for worldwide deployment and assignment to unified combatant commanders.

Steven D. Wert  
Program Executive Officer for Digital, Air Force Life Cycle Management Center  
Wert leads more than 3,500 Airmen, government civilians, and support contractors in the acquisition execution of a $19 billion FYDP portfolio of ACAT, non-ACAT, technology transition, and Foreign Military Sales programs.

Dr. John S. Wilcox  
Director for Munitions Directorate, Air Force Research Laboratory  
Wilcox manages the Munitions Directorate, providing administrative and technical guidance to a staff of more than 500 scientists and engineers developing air-launched conventional munitions technology.

Lt Gen John “JV” Venable, USAF (Ret.)  
Senior Research Fellow for Defense Policy, Center for National Defense, The Heritage Foundation  
Venable, a 25-year veteran of the U.S. Air Force, is a senior research fellow for defense policy at The Heritage Foundation where his research focuses on plans, programs, and operational capabilities of the Department of Defense.

Lt Col Robert Vicars  
Project Lead, Pilot Training Next  
Vicars has experience in the T-38C/IFF and F-16, and commanded the 25th FTS (T-38s) at Vance Air Force Base.

The Honorable Heather Wilson  
Secretary of the Air Force  
Wilson is responsible for the affairs of the Department of the Air Force, including the organizing, training, and equipping and providing for the welfare of 670,000 Active Duty, Guard, Reserve, and civilian forces as well as their families.

Derek Strausbaugh  
Chief Digital Officer, Defense, Microsoft  
Strausbaugh drives innovation within Microsoft to support the DOD mission and works with DOD programs and partners to establish secure, value-added solutions.

Lt Col Matthew Strohmeyer  
Commander, 560th Flying Training Squadron  
Strohmeyer leads the team that has redesigned pilot instructor training and the Air Force squadron for a time of great-power competition by incorporating emerging technologies, new learning paradigms, and advanced data analytics.

Maj Gen Lawrence A. Stutzriem, USAF (Ret.)  
Director of Research, Mitchell Institute for Aerospace Studies  
Stutzriem is a recognized expert in national security, aerospace power, and combat aircraft operations.
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**Gen Stephen W. Wilson**  
*Vice Chief of Staff of the 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.

---

**Scott Winship**  
*Sector Vice President, Advanced Programs, Northrop Grumman*

Winship heads Northrop Grumman Aerospace Systems’ Advanced Programs and is responsible for vetting and developing programs that fit into the company’s Global Surveillance and Strike strategy.

---

**Gen Tod D. Wolters**  
*Commander, U.S. Air Forces in Europe; Commander, U.S. Air Forces Africa; Commander, Allied Air Command*

Wolters 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.

---

**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.

---

**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.

---

**Dr. Leanne Young**  
*Executive Director, Brain Performance Institute*

Young is a nationally-recognized expert in blast injury research and worked with the Department of Defense’s Combating Terrorism Technology Support Office to obtain the first histological evidence of primary blast-induced brain injuries.

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Jimmy, Air Force Wounded Warrior

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The Air Force Association expresses its thanks to the following companies for their sponsorship of the 2018 Air, Space & Cyber Conference at the generous levels indicated. It is through their support that the 2018 Air, Space & Cyber Conference is possible.

As of August 28th. For updated information, please refer to our mobile app.
MAJOR EVENTS
AND AFA NATIONAL CONVENTION
CONVENTION DELEGATE AGENDA

Saturday, September 15, 2018

7:30 a.m. - 6:00 p.m.  AFA Registration Desk  Registration
8:00 a.m. - 11:00 a.m.  Chesapeake J  Aerospace Education Council Meeting
9:00 a.m. - 1:00 p.m.  Potomac C Foyer  AFA Heads of Delegation Credentials Registration
9:30 a.m. - 10:30 a.m.  Various  Spouse Meet & Greet
10:00 a.m. - 12:00 p.m.  Potomac C  Delegate Workshops
1:00 p.m. - 5:00 p.m.  Potomac C  AFA Convention Business Session
5:15 p.m. - 6:00 p.m.  Chesapeake F  Catholic Mass
6:30 p.m. - 9:00 p.m.  Potomac A/B  AFA Field Awards Reception & Dinner
9:00 p.m. - 10:15 p.m.  Various  Region Caucuses

Sunday, September 16, 2018

7:00 a.m.  Breakfast on your own
8:00 a.m. - 12:00 p.m.  Potomac C  AFA Convention Business Session
8:00 a.m. - 6:00 p.m.  AFA Registration Desk  Registration
12:00 p.m. - 1:00 p.m.  Potomac D  AFA Delegates Lunch
1:00 p.m. - 2:00 p.m.  Potomac C  AFA Convention Business Session
2:30 p.m.  Gaylord Bus Loop  Buses Depart Gaylord for Air Force Memorial
3:00 p.m. - 3:30 p.m.  Air Force Memorial  AFA Memorial Service
4:00 p.m. - 5:00 p.m.  Air Force Memorial  Berlin Airlift Commemorative Event
5:00 p.m. - 6:00 p.m.  Air Force Memorial  Light Reception
6:00 p.m.  Air Force Memorial  Buses Depart Air Force Memorial for Gaylord

For the full conference agenda please reference page 18.

AIR FORCE ASSOCIATION

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## Outstanding Chapters by Size

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

<table>
<thead>
<tr>
<th>Size Category</th>
<th>Chapter Name</th>
<th>President</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small Chapter</td>
<td>Brig Gen Bill Spruance Chapter, DE</td>
<td>President Derald Wentzien</td>
</tr>
<tr>
<td>Medium Chapter</td>
<td>Lincoln Chapter, NE</td>
<td>President Richard Holdcroft</td>
</tr>
<tr>
<td>Large Chapter</td>
<td>Tennessee Valley Chapter, AL</td>
<td>President Frederick Driesbach</td>
</tr>
<tr>
<td>Extra Large Chapter</td>
<td>Eglin Chapter, FL</td>
<td>President Candace Lovell</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 Category</th>
<th>Chapter Name</th>
<th>President</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large Chapter</td>
<td>Tennessee Valley Chapter, AL</td>
<td>President Frederick Driesbach</td>
</tr>
<tr>
<td>Extra Large Chapter</td>
<td>Lance P. Sijan Chapter, CO</td>
<td>President Kristen Christy</td>
</tr>
</tbody>
</table>

## Aerospace Education Achievement Award

Presented to chapters for outstanding achievement in aerospace education programming.

<table>
<thead>
<tr>
<th>Chapter Name</th>
<th>President</th>
</tr>
</thead>
<tbody>
<tr>
<td>Langley Chapter, VA</td>
<td>President Mark “Buster” Douglas</td>
</tr>
<tr>
<td>Gen Charles A Gabriel Chapter, VA</td>
<td>President Joe Burke</td>
</tr>
<tr>
<td>Richmond Chapter, VA</td>
<td>President Harper S. Alford</td>
</tr>
<tr>
<td>Martin H. Harris Chapter, FL</td>
<td>President Todd Freece</td>
</tr>
<tr>
<td>Eglin Chapter, FL</td>
<td>President Candace Lovell</td>
</tr>
<tr>
<td>Wright Memorial Chapter, OH</td>
<td>President Kent Shin</td>
</tr>
<tr>
<td>Lincoln Chapter, NE</td>
<td>President Richard T. Holdcroft</td>
</tr>
<tr>
<td>Ak-Sar-Ben Chapter, NE</td>
<td>President Chris Canada</td>
</tr>
<tr>
<td>Chicagoland Chapter, IL</td>
<td>President Gerald Ashley</td>
</tr>
<tr>
<td>Scott Memorial Chapter, IL</td>
<td>President Mark Morgan</td>
</tr>
<tr>
<td>Paul Revere Chapter, MA</td>
<td>President Donald Vazquez</td>
</tr>
<tr>
<td>Lance P. Sijan Chapter, CO</td>
<td>President Kristen Christy</td>
</tr>
<tr>
<td>Mel Harmon Chapter, CO</td>
<td>President Ray Brown</td>
</tr>
<tr>
<td>Montgomery Chapter, AL</td>
<td>President Patrick Albrecht</td>
</tr>
<tr>
<td>Tennessee Valley Chapter, AL</td>
<td>President Frederick Driesbach</td>
</tr>
<tr>
<td>Gen Bruce K. Holloway Chapter, TN</td>
<td>President Paula Penson</td>
</tr>
</tbody>
</table>

## Unit Exceptional Service Awards

Presented to chapters for outstanding accomplishments in specific fields.

<table>
<thead>
<tr>
<th>Category</th>
<th>Chapter Name</th>
<th>President</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airmen and Family Programs</td>
<td>Thunderbird Chapter, NV</td>
<td>President Bobi Oates</td>
</tr>
<tr>
<td>Community Relations</td>
<td>Lance P. Sijan Chapter, CO</td>
<td>President Kristen Christy</td>
</tr>
<tr>
<td>Best Single Program</td>
<td>Langley Chapter, VA</td>
<td>President Mark “Buster” Douglas</td>
</tr>
<tr>
<td>Overall Programming</td>
<td>Gen Charles A Gabriel Chapter, VA</td>
<td>President Joe Burke</td>
</tr>
<tr>
<td>Communications</td>
<td>Gen Charles A Gabriel Chapter, VA</td>
<td>President Joe Burke</td>
</tr>
<tr>
<td>Community Partners</td>
<td>Fairbanks Midnight Sun Chapter, AK</td>
<td>President Nicole Stewart</td>
</tr>
<tr>
<td>AAS/SW Integration</td>
<td>Nation’s Capital Chapter, DC</td>
<td>President John Bird</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>Size Category</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Small Chapter</td>
<td>Mel Harmon Chapter, CO</td>
<td>President Ray Brown</td>
</tr>
<tr>
<td>Extra Large Chapter</td>
<td>Seidel Chapter, TX</td>
<td>President Paul Hendricks</td>
</tr>
<tr>
<td>Medium Chapter</td>
<td>Golden Triangle Chapter, MS</td>
<td>President Richard Johnson</td>
</tr>
<tr>
<td>Chapters Larger than 1,100</td>
<td>Lance P. Sijan Chapter, CO</td>
<td>President Kristen Christy</td>
</tr>
<tr>
<td>Large Chapter</td>
<td>David D. Terry Jr Chapter, AR</td>
<td>President Jerry Reichenbach</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, 2018, as a percentage of total chapter membership as of July 1, 2018.

<table>
<thead>
<tr>
<th>Chapter Name</th>
<th>President</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small Chapter</td>
<td>President Paul Hendricks</td>
</tr>
<tr>
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</tr>
<tr>
<td>Large Chapter</td>
<td>President Paul Hendricks</td>
</tr>
</tbody>
</table>
## Community Partner Membership 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.

- Fairbanks Midnight Sun Chapter, AK
- Enid Chapter, OK
- Meridian Chapter, MS
- Northeast Texas Chapter, TX
- Cheyenne Cowboy Chapter, WY
- Gen David C Jones Chapter, ND
- Swamp Fox Chapter, SC
- Golden Triangle Chapter, MS
- Fort Wayne Chapter, IN
- Mel Harmon Chapter, CO
- Tennessee Valley Chapter, AL

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

- Montgomery Chapter, AL
- Green Mountain Chapter, VT
- David D Terry Jr Chapter, AR
- Hurlburt Chapter, FL
- Thunderbird Chapter, NV

## Special Recognition Membership Awards

### CHAPTER GROWTH
These chapters have realized a growth in total membership from June 2017 to June 2018.

- Altoona Chapter, PA
- Baltimore Chapter, MD
- Brig Gen Bill Spruance Chapter, DE
- Central Maryland Chapter, MD
- Charleston Chapter, SC
- Chuck Yeager Chapter, WV
- Cochise Chapter, AZ
- Col H M Bud West Chapter, FL
- Columbia Gorge Chapter, OR
- David D Terry Jr Chapter, AR
- Del Rio Chapter, TX
- Fairbanks Midnight Sun Chapter, AK
- Florida West Coast Chapter, FL
- Gen Bruce K Holloway Chapter, TN
- Gen HH Arnold Memorial Chapter, TN
- Gen Joseph W Ralston Chapter, OH
- Gen Robert E Huyser Chapter, CO
- Gen Russell E Dougherty Chapter, KY
- Greater Seattle Chapter, WA
- Harry S Truman Chapter, MO
- Hawaii Chapter, HI
- Inland Empire Chapter, WA
- Lance P Sijan Chapter, CO
- Lewis E Lyle Chapter, AR
- Lexington Chapter, KY
- Maj Gen Edward R Fry, KS
- Mile High Chapter, CO
- Mount Clemens Chapter, MI
- Nation’s Capital Chapter, DC
- Pope Chapter, NC
- Prescott/Goldwater Chapter, AZ
- Pride of the Adirondacks Chapter, NY
- Richmond Chapter, VA
- Roanoke Chapter, VA
- Salt Lake City Chapter, UT
- San Diego Chapter, CA
- Seidel Chapter, TX
- Spirit of St Louis Chapter, NY
- Stan Hyr Monroe Bay Chapter, CA
- Strom Thurmond Chapter, SC
- Tennessee Valley Chapter, AL
- Tidewater Chapter, VA

### STATE GROWTH
These states have realized a growth in total membership from June 2017 to June 2018.

- Arkansas
- Colorado
- Kansas
- Kentucky
- Maryland
- Michigan
- Missouri
- Montana
- South Dakota
- Tennessee

### REGION GROWTH
These regions have realized a growth in total membership from June 2017 to June 2018.

- Rocky Mountain Region
- Far West Region
Air Force Association
Gold Life Membership Card
Mary Anne Thompson

Distinguished Sustained
Aerospace Education Award
Bill Croom

Member of the Year
Russ Lewey

Individual Storz Award
Dan Ohnesorge

Chairman's Citations
Nicholas Abate
Gerald Hovatter
Gina Giles
Ken Kelly
Chris Canada
John Toohey
Bob Gehbauer

CyberPatriot Awards
MENTOR OF THE YEAR
James R. Johnson
Cheyenne Central High School
Cheyenne, WY

COACH OF THE YEAR
Bill Blatchley
Colorado Springs Cadet Squadron
Colorado Springs, CO

Individual Awards by Region

Central East
Medal of Merit
James Nichol
Mike Winters
Jack Diamond
Lloyd Swede
Tanisha Crosby
John Lucarelli

Exceptional Service Award
Joe Burke
James Lavin
John Kennedy

Europe
Exceptional Service Award
Dustin “Lucky” Lawrence

Far West
Exceptional Service Award
Tyler Worley

Florida
Medal of Merit
Dave Price
James DeRose

Exceptional Service Award
Dennis Krebs
Bob Ceruti
Thomas Guthrie
Bob Hicks
Nelson Arroyo
Bill Yucuis
Tim Brock

Great Lakes
Medal of Merit
Ted Pifer
Bobbie Smith
Rhonda Roberts

Exceptional Service Award
Gerald Reblin

Midwest
Medal of Merit
Kathleen O’Shea
William Harding
Todd Hunter
Steven Miller
David Skilton

Exceptional Service Award
Richard Holdcroft
Thomas O’Shea
Harley Thornton

South Central
Medal of Merit
Joe Bryant
Zygmund Jastrebski
William Jervis
Stacey Sells
Daryl Carpenter
Eric Silkowski
Larry Nix

Exceptional Service Award
Pauline Morissey
Derick Seaton
Teresa Anderson

Southwest
Medal of Merit
Mike Wilkins
Ginger Langley

Exceptional Service Award
Larry Wells

Southwest (continued)
Exceptional Service Award
Robert Hale
Judith Logan
Walter Saeger
Mark Koechle

North Central
Medal of Merit
Lloyd Ward
Mary Ward
Bryan Graddy
Thomas Brummer
Erin Lee Vergara

New England
Medal of Merit
David DeNofrio
Matt Mleziva
Dick Strifert
Vicente Pamparo
Nicole Citro
Jonathan Belveal

Southeast
Medal of Merit
Jimmy Clark
Marie Lankford
Angelo Rossetti
Dave Swock

Northeast
Medal of Merit
Robert Ward

Rocky Mountain
Medal of Merit
Margaret Eichman

Exceptional Service Award
Jim Aadland

Texoma
Medal of Merit
Robert Epstein
Jeff James
Darin Defendorf
Joyce Sean Habina
Marc Stewart
Mehilie Braden
Rick Pena
Scott Northcutt
Bill Shewey
John Traugott

Exceptional Service Award
Paul Hendricks
Joseph Sommers
George Pankonin
Ulrik Peterson
Richard Buschelman
Lori Earl

Distinguished Sustained
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Bill Croom

Member of the Year
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AFA’s 2018 National Teacher of the Year

The Air Force Association (AFA) and Rolls-Royce are thrilled to announce that Beth Leavitt of Wade Hampton High School, Greenville, SC, has been named the 2018 AFA National Teacher of the Year (TOY).

As part of AFA’s mission to encourage 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.

“We congratulate teacher Beth Leavitt for her recognition as the Air Force Association National Teacher of the Year for 2018,” said Jarrett Jones, Executive Vice President of Customer Business and Government Relations for Rolls-Royce. “STEM learning is critically important for the future of the US Air Force, Rolls-Royce, and our nation. We wish Beth continued success in her efforts to prepare future engineers and leaders in science, technology, engineering, and math.”

Beth Leavitt has been a physical science, chemistry, astronomy, engineering, and physics teacher at Wade Hampton High School in Greenville, SC, since 1999. She holds a degree in the sciences and previously worked as an environmental chemist for 12 years. Leavitt is currently the lead of the Professional Learning Community in Physics, and a workshop presenter in her school district, state, and across the nation for High Schools That Work and the National Science Teachers Association (NSTA).

“Our 2018 AFA National Teacher of the Year, Beth Leavitt from South Carolina, continues our legacy of excellence and extraordinary dedication in our selectees,” said Brig Gen Dick Bundy, USAF (Ret.), AFA Vice Chairman for Aerospace Education. “Her experience in the corporate world prior to becoming a teacher has enhanced her ability to be innovative and collaborative. Her total dedication to her students, STEM programs, and her creativity have made her the top choice for this special award.”

Leavitt collaborated with Buzz Aldrin’s Share Space Foundation to bring Giant Mars Maps to her school district and beyond, and has helped develop the curriculum to accompany these interactive maps. Additionally, she co-wrote physical science standards and presented a videotaped lesson on the solar eclipse for her school district. She is the director of FIRST Robotics Team 283, coordinating community engagement and developing and implementing summer engineering camps at Greenville Tech and Sevier Middle School.

“The reason I engage in many after-school robotics programs is that these ‘extended learning’ environments are where students define a problem and then set about locating, selecting, organizing, presenting, and finally solving a problem,” said Leavitt. “For a lifelong learner, it is an essential strategy. Being able to set parameters for the scope of a project, as well as setting and sticking to a timeline for the completion of a project, is an imperative skill to ensure learning continues throughout a lifetime.”

Leavitt has garnered grants totaling $32,000 to conduct enrichment STEM programs and is a member and/or awardee of numerous national organizations, including American Modeling Teachers Association, IMAGINE Upstate STEMfest Board, NASA Networks of Educator Astronaut Teachers, American Vacuum Symposium Teacher Fellow, Fulbright Memorial Teacher Award to Japan, and National Space Club’s 2017 Educator of the Year, among others.

THE TOP THREE AFA NATIONAL TEACHERS OF THE YEAR PRESENTED BY ROLLS-ROYCE ARE:

Beth Leavitt
2018 AFA National Teacher of the Year
Strom Thurmond Chapter, SC

Spencer Kiper
First Runner Up
Ark La Tex Chapter, LA

Sherilynn Coburn Dawson
Second Runner Up
Gen. Bruce K. Holloway Chapter, TN

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.
During the 2018 AFA National Convention, AFA members, their families, and friends will gather much as they have every year for the last 72 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 at the Air Force Memorial.

**MEMORIAL SERVICE**

**Sunday, September 16, 2018 | 3:00 p.m. - 3:30 p.m.**

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**In Memoriam**

| Mrs. Anna Chennault | Maj Max Khan, USAF (Ret.) |
| Lt Col Lowell Christensen, USAF (Ret.) | Col Donald Koretz, USAF (Ret.) |
| Lt Col Bill A. Clemens, USAF (Ret.) | Col Robert H. Krumpe, USAF (Ret.) |
| Maj Gen Benjamin Cole, USAF (Ret.) | Maj Donald Leipold, USAF (Ret.) |
| Lt Col Earl J. Collins, USAF (Ret.) | Lt Col Donald K. Madison, USAF (Ret.) |
| Lt Col Ralph L. Conner, USAF (Ret.) | Maj Gen William G. McCoy, USAF (Ret.) |
| Sgt Adrian Joseph Cronauer, USAF | MSGt Thomas Meyer, USAF (Ret.) |
| Lt Col Jack H. Eaton, USAF (Ret.) | Col John H. Morris, USAF (Ret.) |
| TSGt Albert Feeley, USAF (Ret.) | Col Robert Newman, USAF (Ret.) |
| MSGt Arthur Flotow, USAF (Ret.) | Mr. Gerald A. Parker |
| TSGt Samuel M. Gardner, USAF (Ret.) | Col Jack C. Price, USAF (Ret.) |
| Col Lindy C. Gunderson, USAF (Ret.) | Mr. John K Scott |
| Mrs. Mary Elizabeth Gunderson | Gen Lawrence A. Skantzke, USAF (Ret.) |
| Col Kenneth Hadeen, USAF (Ret.) | Col Harry Talbot, USAF (Ret.) |
| Mr. Herbert Heider | Gen. Robert L. Tate, USAF (Ret.) |
| Lt Col Dave Houdé, USAF (Ret.) | Lt Col Nicholas VanValkenbergh, USAF (Ret.) |
| MSGt Theodore Huff, USAF (Ret.) | Col Wallace D. Worman, USAF (Ret.) |
| Col James T. Johnson, USAF (Ret.) | Capt. Jerry Yellin, USAAF (Ret.) |
| CMSgt Bob ’Bobby’ Kapperman, USAF (Ret.) | |

As of August 28th.
AIR FORCE Magazine

Celebrating 100 Years of Airpower News

Published by the Air Force Association
ODEARING AND AWARDS CEREMONIES

Monday, September 17, 2018 | 9:00 a.m. - 10:30 a.m.

National Aerospace Awards

AWARDS AND RECIPIENTS

David C. Schilling Award
Most outstanding contribution in the field of flight
13th Bomb Squadron, Whiteman AFB, MO

Theodore von Karman Award
Most outstanding contribution in the field of science and engineering
Dr. Mark Lewis

Gill Robb Wilson Award
Most outstanding contribution in the field of arts and letters
Mr. John Tirpak

Hoyt S. Vandenberg Award
Most outstanding contribution in the field of aerospace education
Organization of Black Aerospace Professionals

Thomas P. Gerrity Award
Most outstanding contribution in the field of systems and logistics
Maj Shaun Parker, Southwest Asia

Lieutenant General Claire Lee Chennault Award
For outstanding aerial warfare tactician from ACC, PACAF, USAFE, ANG, and AFRC
Maj Dustin Merritt, Hill AFB, UT

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
Lt Col Craig Bailey, Kleine Brogel AB, Belgium

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
MSgt Cleveland Coley, Kleine Brogel AB, Belgium

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
Ms. Barbara Johnston, Kirtland AFB, NM

General George C. Kenney Award
Most significant contribution by an individual or team in the area of lessons learned
AFCENT Lessons Learned Team, Al Udeid AB, Qatar

Joan Orr Spouse of the Year Award
For civilian spouses of military members for their significant contributions to the United States Air Force
Mrs. Morgan Noller, Travis AFB, CA

Chief Master Sergeant of the Air Force Thomas N. Barnes Award
Most outstanding aircraft crew chief in the United States Air Force
SrA Tanner Apple, Luke AFB, AZ

Professional, Civilian, Education, Management, and Environmental Awards

AWARDS AND RECIPIENTS

AFMC Management Award - Executive Division
Mr. Edward Stanhouse, Wright-Patterson AFB, OH

AFMC Management Award - Middle Division*
Lt Col Luis Otero, Wright-Patterson AFB, OH

AFMC Management Award- Junior Division*
Mr. Richard Smith, Joint Base San Antonio-Lackland, TX

AFROTC Cadet of the Year
Cadet Austin Fischer, Det 028, Embry-Riddle Aeronautical University

USAFA Cadet of the Year
Cadet Kyle Haak, Cadet Squadron 31, USAFA, CO

CAP Aerospace Education Cadet of the Year
Cadet Marcos Samuel Feijoo-Martinez, Vegas Valley Composite Squadron, NV

Chaplain Corps Award
SMSgt Tommy Tipton, Joint Base Langley-Eustis, VA

Paul W. Myers Award for Physicians
Maj Bryant Webber, Wright-Patterson AFB, OH

Juanita Redmond Award for Nursing
Capt Dana Volesky, Columbus AFB, MS

Stuart R. Reichart Award for Lawyers
Col Vance Spath, Joint Base Andrews, MD

Verne Orr Award for Effective Utilization of Human Resources
88th Security Forces Squadron, Travis AFB, CA

Civilian Senior Manager of the Year
Mr. Frederick Fallman, MacDill AFB, FL

Civilian Program Manager of the Year
Mr. James Samartino, Travis AFB, CA

Civilian Program Specialist of the Year
Ms. Michelle Capik, Eglin AFB, FL

Civilian Wage Employee of the Year
Mr. Larry Moore, Dyess AFB, TX

Gen Edwin W. Rawlings Award – Management*
Ms. Patricia Hudson, Dyess AFB, TX

Gen Edwin W. Rawlings Award – Technician*
Mr. Patrick Albritton, Kadena AB, Japan

* presented at recipient’s location
Electronic Analysis Squadron, Wright Patterson AFB, OH
The Electronic Analysis Squadron delivered two thousand intelligence products, directly supporting more than 150 billion dollars in joint acquisition programs and Department of Defense assets. As the national center of excellence for predictive scientific and technical intelligence on worldwide electronic systems, the Squadron provided crucial intelligence steering acquisition upgrades, national policy, and combatant command tactical and operational strategies.

White House Communications Agency, J-3 Travel Operations, Washington, D.C.
The J-3 Travel Operations Section has demonstrated excellence while providing command and control capabilities to the President, Vice President, First Lady, and White House staff. The team directly planned, resourced, and provided communications for the 45th Presidential Inauguration, 9 natural disaster responses, the Group of 20 Summit, United Nations General Assembly, North Atlantic Treaty Organization Summit, Asian Pacific Economic Cooperation Summit, and over 199 official travel missions supported across 14 countries.

SMSgt Destiny Hager, Ramstein AFB, Germany
SMSgt Destiny Hager of USAFE was critical to the standardization of air traffic operations, procedures, and training for 104 nations, 10 main operating bases, and 10 forward operating locations. Additionally, she worked directly with four combatants to implement the first ever deployment of air traffic controllers as landing zone safety officers, mitigating the Air Force’s combat controller shortage and allowing for safe aerodrome operations at eight classified locations.

Citations of Honor

Air Force Awards

Lt Gen Howard W. Leaf Award
Best test team
416th Flight Test Squadron F-15SA Combined Test Team, Edwards AFB, CA

Lt Gen William H. Tunner Award
Best airlift crew
Crew of REACH 865 Crew, JB Lewis-McChord, WA

Brig Gen Ross G. Hoyt Award
Best air refueling crew
Crew of PETRO 91, Travis AFB, CA

Gen John P. Jumper Award
Best remotely piloted aircraft crew
Pilot: Maj Nicholas Meyers, Sensor Operator: TSgt Phillip Brattan
Mission Intelligence Coordinator: Lt Ryan McDermott

Gen Curtis E. LeMay Award
Best bomber aircrew
Crew of CHILL 33, Minot AFB, ND

Gen Thomas S. Power Award
Best missile combat crew
Lt Alyssa Ford and Lt Collin Crane, Minot AFB, ND

Gen Jerome F. O’Malley Award
Best reconnaissance crew
The Crew of Python 73, 55th Wing, Offutt AFB, NE

Gen Mark A. Welsh III One Air Force Award
For the team that best demonstrates improved effectiveness through integrated solutions
USAF Airfield Pavement Evaluation Team, JBSA Lackland, TX

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Best remotely piloted aircraft crew
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For the team that best demonstrates improved effectiveness through integrated solutions
USAF Airfield Pavement Evaluation Team, JBSA Lackland, TX

Best Space Operations Crew
X-37B Operations Crew, Schriever AFB, CO

BAVA Humanitarian Mission of the Year Award
Most outstanding humanitarian mission
621st AMAG Hurricane Relief Team, Joint Base McGuire-Dix-Lakehurst, NJ

Air Reserve Component Awards

Earl T. Ricks Award
Outstanding ANG airmanship
Lt Col Kristian Thiele, Texas Air National Guard

CMSgt Dick Red Award
Best ANG maintainer
 TSgt Edward Moyer, Montana Air National Guard

Outstanding ANG Unit
Best ANG unit airmanship
158th Operations Group, Vermont Air National Guard

George W. Bush Award – Enlisted
MSgt Laduska Miller, Oregon Air National Guard

George W. Bush Award – Officer
Maj Jamie Favro, Vermont Air National Guard

Citizen Airman and Employer of the Year Award
Maj Bryan Card, Kratos Defense and Security Systems, Langley AFB, VA
SMSGT MELISSA A. BEAM
1N0 Air Force Specialty Code Manager
Air Combat Command, Joint Base Langley-Eustis, VA
Home of Record: Catskill, NY

Senior Master Sergeant Beam was the Distributed Ground System-1 Analysis and Reporting Team Flight Chief, 497th Operations Support Squadron at Joint Base Langley-Eustis, VA, where she led a team of 134 officers, enlisted members, civilians, and contractors responsible for delivering 24-hour time-dominant intelligence fusion and target discovery capabilities to five Combatant Commanders in direct support of Operation Inherent Resolve. Her team of Airmen were instrumental in the freeing of 4.5 million Iraqi citizens and six cities from Islamic State of Iraq and Syria (ISIS) control. They tasked intelligence, surveillance, and reconnaissance assets to erase more than 100 remotely piloted aircraft and 19 improvised explosive device networks, and eliminated more than 225 ISIS oil fields, ultimately saving 138,000 coalition forces lives.

SMSGT RUTH C. GRIFFIN
Superintendent, Operations and Compliance Management
2nd Logistics Readiness Squadron, Barksdale AFB, LA
Home of Record: Brinkley, AR

Senior Master Sergeant Griffin led 391 military and civilian personnel within the 2nd Logistics Readiness Squadron to success in optimizing fuels capabilities by eliminating biodiesel fuel for 284 vehicles. These actions saved two organizations 724 man-hours and earned her unit the one percent Government Green Fleet Award. Additionally, she championed the wing's Hurricane Evacuation Receptions, ensuring the beddown of 550 personnel across ten wings, and powered an 85,000 gallon refueling operation in support of 176 aircraft. The team's actions afforded protection of $6 billion in United States Air Force assets. In addition, her team also garnered 11 higher headquarter and wing awards and earned 5 Below the Zone stripes. Finally, the Major Command Functional Manager chose Sergeant Griffin to provide expertise and shape future career field requirements. She led 9 subject matter experts and modified 52 manpower process orientation descriptions.

SMSGT LUCERO STOCKETT
KC-10 Boom Operator Superintendent
6th Air Refueling Squadron, Travis AFB, CA
Home of Record: El Paso, TX

Senior Master Sergeant Stockett has been instrumental as the KC-10 Boom Operator Superintendent. During this period she oversaw the supervision of 32 boom operators, managing 17,500 days of personnel on temporary duty on over 2,100 missions, and 26 Central Command deployment taskings that supported over 3,000 receivers and 1,000 strikes. She won two national-level awards for her leadership and community involvement: the National Latina Style Distinguished Military Service Award and the National IMAGE Meritorious Service Award. Additionally, she was awarded the Robert “Dutch” Huyser Award for her leadership and professional acumen as a Career Enlisted Aviator. She also garnered the John L. Levitow and Distinguished Graduate award at the Senior Non Commissioned Officer Academy.
The Air Force Outstanding Airman program annually recognizes 12 enlisted members for superior leadership, job performance, community involvement, and personal achievements.

The program was initiated at the Air Force Association’s 10th annual National Convention, held in New Orleans in 1956. The selection board comprises the Chief Master Sergeant of the Air Force and the command chief master sergeants from each USAF major command. The selections are reviewed by the Air Force Chief of Staff.

The 12 selectees are awarded the Outstanding Airman of the Year Ribbon with the bronze service star device and wear the Outstanding Airman badge for one year.

**MSGT KIT C. LUI**  
NCOIC, Engineering Flight  
433 Civil Engineer Squadron, JBSA-Lackland, TX  
Home of Record: Schertz, TX

Master Sergeant Lui was the Noncommission Officer in-charge, Engineering Flight for the 433rd Civil Engineer Squadron, Joint Base San Antonio, Texas. As an Engineer Craftsman, he directed and performed civil engineering design, drafting, surveying, and contract surveillance to support Air Force facility construction and maintenance programs. Sergeant Lui utilized surveying technology to include Global Positioning Systems, to evaluate potential construction sites and airfields. He supported various military campaigns to include Operations Inherent Resolve, Combined Joint Task Force – Horn of Africa, Freedom’s Sentinel, and Resolute Support. Sergeant Lui forward deployed to numerous countries and undisclosed locations to include Afghanistan, Iraq, Kuwait, Qatar, and Syria in support of joint operations and contingencies. Prior to assuming his current position, he served as the NCOIC, Airfield Pavement Evaluation and Expeditionary GeoBase Manager, Southwest Asia.

**MSGT JOSHUA A. MATIAS**  
Control Tower Chief Controller  
14 Operations Support Squadron, Columbus AFB, MS  
Home of Record: Milwaukee, WI

Master Sergeant Matias led 28 Airmen and civilians in support of Air Education Training Command’s number one flying hour program, generating 65,000 sorties and produced 453 Air Force pilots. His efforts enabled 394 position certifications and 22 skill level upgrades in 54 percent of the allotted time. As Squadron Superintendent, while deployed to Southwest Asia, Sergeant Matias led 135 warfighters from 13 Air Force Specialty Codes and 17 bases worldwide in the execution of eight major combat operations. His team generated 56,000 operations and 7,000 intelligence and weather products supporting the Combined Joint Task Force with the liberation of 500,000 civilians in the city of Mosul, leading to the execution of 5,000 ISIS enemy combatants. As Deployed Tower Chief Controller, Sergeant Matias’ team partnered with 100 host nation air traffic controllers. Their partnership supported eight weapons systems, 23,000 combat missions, 40,000 flight hours, and the delivery of 194,000,000 pounds of fuel.

**TSGT BRETT M. LASWELL**  
AC-130U Evaluator Special Missions Aviator/Flight NCOIC  
4 Special Operations Squadron, Hurlburt Field, FL  
Home of Record: McLeansboro, IL

Technical Sergeant Laswell was awarded a Distinguished Flying Cross for his efforts in Afghanistan, after ten hours of CAS, expending two combat loads of ammunition, killing 32 enemies, and destroying 23 buildings. He led a five-person gun crew during Southern Command’s largest CAS exercise, flying 21 hours, readying 400 Special Operations Forces personnel for AC-130U employment, and was selected for evaluator upgrade. As Special Missions Aviator instructor, he executed 23 sorties and 105 flight hours, instructing lead gun, instructor, and evaluator training, completing 22 Special Missions Aviators for next level certification and qualifications. He completed five college classes, 40-hour Senior Enlisted Joint Professional Military Education, and JSOU CEP-1 PME with a stellar 4.0 GPA, earning two CCAF’s in Aviation Operations and Maintenance Technology degrees. Additionally, he was hand-selected for a Smithsonian Channel film, where he provided aircrew reenactments, stamping AFSOC’s AC-130U aircraft into the history books.
OUTSTANDING AIRMEN OF THE YEAR

SSGT ELIZABETH G. CAULFIELD
Advanced Scientific and Technical Intelligence (S&TI) Analyst
National Air and Space Intelligence Center, Wright Patterson AFB, OH
Home of Record: Traverse City, MI

Staff Sergeant Elizabeth Caulfield led a four-member deployment team for a total of 60 days supporting Combat Sent operations across two separate geographic areas of responsibility (AORs), while successfully processing 23 missions encompassing 235 signals. She conducted 22 deployed aircrew debriefs and provided feedback which fixed shortfalls and refined identification by 35 percent. She authored seven engineer level reports highlighting key enemy weapons systems vulnerabilities which revised US Operations Plan with emerging threat data. She aced four college courses achieving a 3.8 GPA, earning her bachelor’s degree in Organizational Psychology. Additionally she discovered an upgrade to an advanced weapons system enhancing a Department of Defense high priority intelligence effort, fusing vital data with fighter/bomber development.

TSGT DAVID E. MILLER
Non-Commissioned Officer in Charge of Personnel and Readiness
48th Contracting Squadron, RAF Lakenheath, England
Home of Record: Columbus, OH

Technical Sergeant Miller was instrumental in leading the 48th Contracting Contingency Support cell by providing expert oversight onto 18 of the Wing’s Deployment and Exercise operations, increasing combat mission readiness for eight nations across three Combatant Commands, while supporting $3 million worth of life-saving requirements. Sergeant Miller further served as project officer for three multinational operations, coordinating emergency logistics for 275 members in less than three days. He also served as the subject matter expert for emergency operations, which led to the elimination of 14 response vulnerabilities connected to eight real-world disasters, thereby increasing emergency capabilities by 35 percent over three wings. Sergeant Miller further led contracting operations for multiple deployments in Spain and France, thereby staging over $2 million base support services while bolstering operations for more than 700 AFRICOM sorties.

TSGT APRIL A. SPILDE
Flight Chief/Security Forces Craftsman
30th Security Forces Squadron, Vandenberg AFB, CA
Home of Record: Minneapolis, MN

Technical Sergeant Spilde was instrumental to the Total Force success of the 58th Presidential Inauguration, dedicating 80 hours training 90 Air National Guard and Air Force Reserve Airmen as Ceremonial Guardsmen with the USAF Honor Guard. Sergeant Spilde led a three-person mobile training team to the 156th Airlift Wing at Air Base Muñiz, Puerto Rico and established a fully funded base honor guard program including a budget increase of $10,000. As a Security Forces Flight Chief, Sergeant Spilde led 135 Airmen securing $10.2 billion in space launch assets and managed the flight schedule, logistics, and daily police operations defending 999 family houses, 2,100 facilities, and 15,000 personnel across a 99,000 acre installation. Sergeant Spilde masterfully completed nine college classes and graduated cum laude, earning her bachelor’s degree in English. She graduated from the NCO Academy and was the recipient of the John L. Levitow leadership award.
SSGT WILSON B. GARDNER
Airfield Systems Journeyman
202d Engineering Installation Squadron, Robins Air Force Base, GA
Home of Record: Douglasville, GA

Staff Sergeant Gardner enhanced data processing and network security at 20 sensitive compartmented information facility sites and fabricated 30,000 feet of fiber optic cable, which resulted in installation cost savings of $25,000. He created an in-house high reliability soldering course, training 25 members on a critical high-tech skill. Sergeant Gardner was voluntarily activated three times for more than 400 days in support of a C4IT construction project with United States Strategic Command, Offutt AFB, Nebraska. He installed 216 communication racks and 18 telephone closets, fitted 5,000 J-hooks and 37 multi-user telecommunications outlet assemblies, directly resulting in savings of over $200 million and increasing C4ISR capabilities by more than 200 percent. Additionally, he provided support to three sites in Puerto Rico after Hurricane Maria, enhancing network reliability and reducing maintenance requirements by 25 percent.

SRA PATRICK O. P. SCHILLING
Explosive Ordnance Disposal Technician Journeyman
775th Civil Engineer Squadron, Hill Air Force Base, UT
Home of Record: Sarasota, FL

Senior Airman Schilling filled a crucial capabilities gap for the 775th Explosive Ordnance Disposal Flight when he stepped up to fill the role of munitions account manager for the Air Force’s largest custodial account during his supervisor’s absence; coordinating 40,000 items worth $554,000. During operations, he destroyed seven intercontinental ballistic missile motors, saving the United States Navy $6 million in storage and maintenance costs, fulfilled international relations agreements between the United States and Russia, in turn earning him Air Force Materiel Command’s nomination for Enlisted Military Assistant to the Secretary of Defense. Additionally, while Airman Schilling was administering a Physical Training Test, he saved another Airman’s life by being the first to respond to a medical emergency. He partnered with the United States Secret Service during the Presidential Inauguration, where he cleared 112 acres, five vans, and four packages of explosive hazards, ensuring the safety of the President and 800,000 personnel.

SRA JON R. TAITANO
Client Systems Technician
644th Combat Communications Squadron, Andersen AFB, Guam
Agana Heights, Guam

Senior Airman Taitano was a Combat Communicator and Client Systems Technician assigned to the 644th Combat Communications Squadron, 36th Contingency Response Group, 36th Wing, Andersen AFB, Guam. He maintained and troubleshooted classified and unclassified communication systems in direct support 3,000 deployed users, as well as theatre deployed systems for a broad range of military missions, such as POTUS support, contingency operations, agile combat employment (ACE), and humanitarian assistance operations for Pacific Air Force’s only combat rated communications squadron. In addition, he assisted with maintaining operational readiness within the 36 CRG by certifying personnel in cardiopulmonary resuscitation and Self-Aid Buddy Care.
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AFA’s John R. Alison Award is presented to Lockheed Martin’s Skunk Works. Skunk Works is an official pseudonym for Lockheed Martin’s Advanced Development Programs, formerly called Lockheed Advanced Development Projects. It is responsible for a number of aircraft designs, including the U-2, the Lockheed SR-71 Blackbird, the Lockheed F-117 Nighthawk, Lockheed Martin F-22 Raptor, and the Lockheed Martin F-35 Lightning II, which are used in the air forces of several countries.

**MAJ GEN ALFRED K. FLOWERS, USAF (RET.)**
Alfred K. Flowers is a retired United States Air Force Major General who served in many roles, culminating as Deputy Assistant Secretary for Budget. At the time of his retirement, Flowers had served more than 46 years on active duty, making him the longest-serving Airman in Air Force history and the longest serving African American in the history of the United States Department of Defense. After retiring from the Air Force, he has continued to serve by working with a number of volunteer and veteran related organizations in the San Antonio, Texas area.

**DAN FRIEDKIN**
Dan Friedkin is Founder and Chairman of the Air Force Heritage Flight Foundation and one of ten civilian Heritage Flight pilots qualified to fly in formation with U.S. Air Force single-ship demonstration teams. He participates throughout North America and Europe, flying right wing for the Horsemens Flight Team, the world’s only P-51 Formation Aerobatic Team. Friedkin has a focus and passion for warbirds, and actively flies the T-6, P-51 Mustang, F-86 Sabre, F6F, F8F, F4U-4, Hawker Hurricane, and various models of the Spitfire.

**LIFETIME ACHIEVEMENT AWARDS**
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**AIR FORCE BIRTHDAY RECEPTION & DINNER**
Wednesday, September 19, 2018 | 6:00 p.m. - 10:00 p.m.
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 performance 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.

Deborah Lee James is a former Secretary of the Air Force. Ms. James has 30 years of homeland and national security experience in the federal government and the private sector. She deployed to Operations Desert Storm and Southern Watch where she served as the Senior Threat Analyst in the Air Operating Center. James was confirmed as the 23rd Secretary of the Air Force in 2013. She was instrumental in the design, development, and contract award for the B-21 Raider next generation bomber. She brought renewed emphasis to our nuclear enterprise through a grass roots-based force development program. She recognized the increasing role of the Civil Air Patrol in supporting our Air Force’s national defense mission and its role in developing future aerospace leaders, and elevated its status to that of a full-fledged component.

W. STUART SYMINGTON AWARD
For the most significant contribution by a civilian in the field of national defense.

Deborah Lee James
23rd Secretary of the Air Force

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

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

Gen Hawk Carlisle, USAF (Ret.)
Former Commander, Air Combat Command

Gen Herbert J. ‘Hawk’ Carlisle was the Commander, Air Combat Command, Langley Air Force Base, Virginia. In this position, he was responsible for organizing, training, equipping, and maintaining combat-ready forces for rapid deployment and employment while ensuring strategic air defense forces were ready to meet the challenges of peacetime air sovereignty and wartime defense. The command operates more than 1,300 aircraft, 34 wings, 19 bases, and more than 70 operating locations worldwide. He is a command pilot with more than 3,600 flying hours in the AT-38, YF-110, YF-113, T-38, F-15A/B/C/D, and C-17A.

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.

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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.

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