Innovation: Future Force Faster

With stealth technology, advanced sensors, supersonic speed, weapons capacity and increased range, the United States Air Force’s F-35A is the most lethal, survivable and connected fighter in the sky. The aircraft gives our men and women an advantage against any adversary and any threat — today and for decades to come. Lockheed Martin is proud to deliver and sustain the 5th Generation F-35A with the men and women of the U.S. Air Force, empowering them to safeguard the skies at home and abroad.

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February 27-March 1, 2019 | Orlando, FL | AFA.org
Welcome

On behalf of the Air Force Association and our 99,000 members worldwide, welcome to the 35th annual Air Warfare Symposium.

This year’s symposium is themed “Innovation: Future Force Faster.” We are excited to welcome to this symposium distinguished leaders in innovation from Fortune 100 companies, the defense industry, and the Air Force to offer fresh insights that can propel the Air Force to innovate even faster.

Once again, AFA will host the Spark Tank Finals, the culminating event of a months-long competition. Six Air Force teams will pitch their innovative ideas to five judges including Mark Cuban, renowned entrepreneur, investor, owner of the Dallas Mavericks, and current judge on the popular CNBC television program Shark Tank; and George Steinbrenner IV, owner of Harding Steinbrenner Racing IndyCar Series team.

While you’re with us, we encourage you to explore our 60,000-square foot technology exposition—our largest expo hall ever at an Air Warfare Symposium—where more than 80 top companies will showcase the latest in cutting-edge technology.

We owe special thanks to Air Force, civic, and industry leaders for their continued generous support and participation which help us make events like this successful.

At AFA, we believe we are all Airmen for Life and we stand proudly by your side throughout your Air Force journey, both in and out of uniform. It is a privilege for us to host professional development events like our Air Warfare Symposium to better serve the Total Force family and to promote a dominant Air Force.

Over the course of the next few days, we invite you to stop by AFA’s foyer booth to learn more about how the Air Force Association can serve you. And while you’re there, please become an AFA member at a special discounted symposium rate.

We hope you enjoy the next few days!

Sincerely,

Larry O. Spencer
President

F. Whitten Peters
Chairman of the Board
The Air Force Association thanks the following companies for their generosity as sponsors of the Air Warfare Symposium.

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### Wednesday, February 27, 2019

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<thead>
<tr>
<th>TIME</th>
<th>LOCATION</th>
<th>EVENT / SPEAKER</th>
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<tr>
<td>8:00 a.m. - 8:00 p.m.</td>
<td>Gatlin Registration Desk</td>
<td>Symposium Registration</td>
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<tr>
<td>6:00 p.m. - 8:00 p.m.</td>
<td>Gatlin D</td>
<td>Welcome Reception (Ticket Required)</td>
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### Thursday, February 28, 2019

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<tr>
<th>TIME</th>
<th>LOCATION</th>
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<td>7:00 a.m. - 7:00 p.m.</td>
<td>Gatlin Registration Desk</td>
<td>Symposium Registration</td>
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<td>7:00 a.m. - 8:00 a.m.</td>
<td>Gatlin Foyer</td>
<td>Morning Coffee</td>
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<tr>
<td>8:00 a.m. - 8:15 a.m.</td>
<td>Gatlin D</td>
<td>Air Warfare Symposium Welcoming Remarks</td>
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<tr>
<td>8:15 a.m. - 8:35 a.m.</td>
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<td>Secretary of the Air Force Remarks</td>
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<td>Gatlin D</td>
<td>Panel: Combat Air Forces Commanders</td>
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<td>9:30 a.m. - 10:05 a.m.</td>
<td>Gatlin A-B-C</td>
<td>Technology Exposition</td>
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<td>10:05 a.m. - 10:50 a.m.</td>
<td>Gatlin D</td>
<td>Leadership in Disruptive Times</td>
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<tr>
<td>10:55 a.m. - 11:40 a.m.</td>
<td>Gatlin D</td>
<td>Panel: Meeting the Needs of the New National Defense Strategy</td>
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<tr>
<td>11:40 a.m. - 1:10 p.m.</td>
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<td>Lunch in the Exhibit Hall</td>
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<tr>
<td>1:10 p.m. - 1:55 p.m.</td>
<td>Gatlin D</td>
<td>Fielding Tomorrow’s Air Force Faster and Smarter</td>
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<td>2:00 p.m. - 2:45 p.m.</td>
<td>Gatlin D</td>
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<td>2:45 p.m. - 3:15 p.m.</td>
<td>Gatlin A-B-C</td>
<td>Coffee Break</td>
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<th>TIME</th>
<th>LOCATION</th>
<th>EVENT / SPEAKER</th>
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| 3:15 p.m. - 4:20 p.m. | Gatlin D | **Spark Tank Final Competition**  
The Honorable Heather Wilson, Secretary of the Air Force  
Gen David L. Goldfein, Chief of Staff of the Air Force  
CMSAF Kaleth O. Wright, Chief Master Sergeant of the Air Force  
Mark Cuban, Entrepreneur and Owner of the Dallas Mavericks  
George Steinbrenner IV, Owner, Harding Steinbrenner Racing |
| 4:20 p.m. - 5:05 p.m. | Gatlin D | **Innovation: An Entrepreneur's Perspective, A Fireside Chat**  
Mark Cuban, Entrepreneur and Owner of the Dallas Mavericks |
| 6:00 p.m. - 7:45 p.m. | Family Pool Deck | **Backyard BBQ** (Ticket Required)  
**Sponsored by**  
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NORTHROP GRUMMAN  
BAE SYSTEMS  
Elbit Systems of America  
GE Aviation  
AT&T |

### Friday, March 1, 2019

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<tr>
<th>TIME</th>
<th>LOCATION</th>
<th>EVENT / SPEAKER</th>
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<td>7:00 a.m. - 11:30 a.m.</td>
<td>Gatlin Registration Desk</td>
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<td>7:00 a.m. - 11:00 a.m.</td>
<td>Gatlin A-B-C</td>
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<tr>
<td>7:00 a.m. - 8:00 a.m.</td>
<td>Gatlin A-B-C</td>
<td>Morning Coffee</td>
</tr>
<tr>
<td>8:00 a.m. - 8:25 a.m.</td>
<td>Gatlin D</td>
<td>Welcoming Remarks and Awards Ceremony</td>
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| 8:25 a.m. - 9:05 a.m. | Gatlin D | **Innovative Leadership in Space Operations**  
Gen John W. Raymond, Commander, Air Force Space Command |
| 9:05 a.m. - 10:05 a.m. | Gatlin D | **Inspirational Leadership: A Conversation with the Chief of Staff and Chief Master Sergeant of the Air Force**  
Gen David L. Goldfein, Chief of Staff of the Air Force  
CMSAF Kaleth O. Wright, Chief Master Sergeant of the Air Force |
| 10:05 a.m. - 10:25 a.m. | Gatlin A-B-C | Coffee Break |
| 10:25 a.m. - 11:10 a.m. | Gatlin D | **Keynote: Innovation in Large Organizations**  
Tony Ambrozie, Senior Vice President, Technology, Engineering Excellence, The Walt Disney Company |
| 11:10 a.m. - 11:55 a.m. | Gatlin D | **Panel: Emerging Innovators**  
C1C Trey Arnold, CAO, Association for Innovation  
Kim DeWitt, Director, U.S. Air Force, Decision Lens  
Gabe Mounce, Director, Air Force Space Accelerator Program  
Shawn Springs, CEO, Windpact, Inc. |
| 11:55 a.m. - 12:00 p.m. | Gatlin D | **Air Warfare Symposium Closing Remarks** |
Advanced Technologies Group, Inc. (ATGI)  Booth #835
ATGI designs and manufactures Ram Air Turbines (RATs) for Electronic Warfare (EW), Directed Energy, Intelligence, Surveillance, Reconnaissance (ISR) and emergency power generation systems for both military and commercial applications. The patented technology produces the highest power density available for ducted applications. www.atgi.us

Aerojet Rocketdyne  Booth #309
Aerojet Rocketdyne is a world-recognized aerospace and defense leader providing propulsion and energetics to the domestic and international space, missile defense and strategic systems, tactical systems and armaments areas, and transformational energy technology solutions to address the world’s energy needs. Additional information about Aerojet Rocketdyne can be obtained by visiting the company website at www.Rocket.com.

Air Force CyberWorx  Booth #710
Air Force CyberWorx is a dynamic organization, part of the DoD innovation ecosystem, partnering a variety of innovative problem solvers - Airmen, industry, and academia - to reimagine how technology and ideas can propel our nation, businesses, and lives. As a human-centric design center, we seek out unique ways to connect Air Force warriors with solutions that feature current and future technology in meaningful ways. www.afcyberworx.org

Air Force Strategic Integration Group (AFSIG)  Booth #836
AFSIG is implementing the initiatives of Revitalizing Squadrons, Strengthening Joint Leaders and Teams and Multi-Domain Command and Control. Focused on ensuring lethality and readiness for the joint fight by ensuring healthy squadrons exist across the enterprise through purposeful leadership and mission focus and ensuring the Air Force is ready to generate offensive and defensive effects from all domains to create dilemmas for adversaries from air, space and cyberspace platforms. www.afsig.af.mil

Air Force Reserve mission, the Air Force Reserve History Program  Booth #908
To support the Air Force Reserve mission, the Air Force Reserve History Program captures, preserves, writes, interprets, and aggressively disseminates the official record of global Air Force Reserve operations to provide information with historical context in support of leadership decision making and organizational learning across the component. www.afrc.af.mil/About-Us/AFRC-History

Air Force Research Laboratory (AFRL)  Booth #114
AFRL’s mission is leading the discovery, development, and integration of affordable warfighting technologies for our air and space forces. AFRL accomplishes this through nine technology directorates located throughout the United States, the Air Force Office of Scientific Research, and a central staff. AFRL’s partners include the Air Force major commands that operate and maintain the full spectrum of Air Force weapons systems. It is a full-spectrum laboratory, responsible for planning and executing the Air Force’s entire science and technology budget, basic research, applied research, and advanced technology development. www.afrl.af.mil

Air Education & Training Command (AETC)  Booth #734
AETC recruits, trains and educates Airmen to deliver 21st century airpower. AETC invests in immersive technology, data-enabled force development, strategic technology and education partnerships, as well as transformational 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 Space Command  Booth #901
Air Force Space Command, activated Sept. 1, 1982, is a major command with headquarters at Peterson Air Force Base, Colorado. AFSPC provides military focused space capabilities with a global perspective to the joint warfighting team. www.afspc.af.mil

Analytical Graphics, Inc. (AGI)  Booth #134
Analytical Graphics, Inc. (AGI) develops software for engineers, operators, analysts, and developers working on land, sea, air, and space systems. Our ready-to-use desktop applications, developer tools, and cloud services are combined with a large, experienced in-house team of engineers to develop high-fidelity, cost-effective training and simulation solutions for defense and civilian organizations. Our mission is to harness the explosive potential of technology to revolutionize training and simulation. www.agi.com

Air University (AU)  Booth #631
Air University provides the full spectrum of Air Force education, from pre-commissioning to the highest level of professional military education, including degree granting and professional continuing education for officers, enlisted and civilian personnel throughout their careers. AU’s PME programs educate Airmen as transformative operations to drive innovation and change. Headquartered in Arlington, VA. Follow us on Twitter: @BoeingDefense.

Bohemia Interactive Simulations (BISim)  Booth #436
Bohemia Interactive Simulations (BISim) is a global software company at the forefront of simulation and training solutions for defense and civilian organizations. Our mission is to harness the explosive potential of technology to revolutionize training and simulation. BISim leverages the latest commercial 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. www.bisimulations.com

Boeing  Booth #122
Boeing is the world’s largest aerospace company and innovative manufacturer of commercial jetliners and defense, space and security systems. A top U.S. exporter, Boeing products and services include commercial and military aircraft, satellites, weapons, C4ISR, electronic and defense systems, launch systems, and performance-based logistics and training. Boeing Defense, Space & Security is headquartered in Arlington, VA. Follow us on Twitter: @BoeingDefense.

Blue Skies of Texas  Booth #532
Founded as the Air Force Villages, Blue Skies of Texas is a CARF accredited Life Plan Retirement Community offering apartments, lofts, cottages and homes, as well as assisted living, skilled nursing and Alzheimer’s memory care. This exceptional community has been a staple in the heart of San Antonio for over 50 years. Today, our dedicated and caring staff remain committed to enriching the physical and mental well-being of our residents. www.blueskiesoftexas.org

Boeing  Booth #533
Boeing is a leading provider of converted aircraft for the aerospace and defense industries and the sole provider of SOLIDWORKS® Foams, nonflammable, non-toxic, high performing thermal and acoustic insulation ideal for aircraft and naval applications. Aavid, Thermal Division of Boyd, includes incorporated brands such as Thermacore and Aavid Thermalloy. Aavid produces advanced, lightweight, compact thermal management solutions such as heat pipes, liquid cooling, and k-Core technology. www.boycorp.com

Boeing  Booth #915
Collins Aerospace, a unit of United Technologies Corp. (NYSE: UTX), is a leader in technologically advanced and intelligent solutions for the global aerospace and defense industry. Created in 2018 by bringing together UTC Aerospace Systems and Rockwell Collins, Collins Aerospace has the capabilities, comprehensive portfolio and expertise to solve customers’ toughest challenges and to meet the demands of a rapidly evolving global market. www.collinsaerospace.com

Blue Skies of Texas  Booth #433
Armed with in-house technology, BITMICRO designs and develops scalable solid-state storage solutions with distributed security and advanced features. www.bitmicro.com

CAMSS Shelters  Booth #712
CAMSS Shelters is the world leader in design and manufacturing of portable shelters systems for rapid world-wide deployment. We are well known for our small and medium shelter systems as well as our new IAC shelters. CAMSS offers a wide range of shelter types and sizes from 12-112’ wide. Our complete systems offer a total solution to your facility needs including heating, cooling, lighting, and power distribution. CAMSS offers tried and true solutions. www.camss.com

Collins Aerospace  Booth #535
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COLSAR  Booth #235
First Alert is Dataminr’s solution for first response and defense, and is the leading Publicly Available Information (PAI) event detection platform serving the US Government. www.dataminr.com

Columbia Southern University  Booth #732
Columbia Southern University offers online associate, bachelor's, master's and doctoral degree programs in relevant industries. With a military student population of approximately 40 percent, CSU takes great pride in providing GI Bill transferability. AU-ABC, transfer credit for military training and affordable tuition rates for military families. Call (877) 347-6001 or visit ColumbiaSouthern.edu/Military

Decision Lens  Booth #709
Decision Lens develops progressive decision-making software solutions that allow organizations to make complex decisions more effectively and efficiently. Our collaborative software platform structures decisions, quantifies intangible factors and evaluates choices that enable organizations to reach their goals. Decision Lens improves the speed and quality of decision making, maximizes returns and provides accountability and transparency for how decisions are made. www.decisionlens.com

Decision Lens  Booth #615
At AIT, we’re investing billions into the economy, providing quality jobs to over 200,000 people in the U.S. We’re supporting veterans who make our country stronger and providing disaster relief to those whose need it most. We’ve invested more in the future of our country than any other public company. www.ait.com

Decision Lens  Booth #535
Bell  Booth #801
Bell Helicopter is an industry-leading producer of commercial and military, manned and unmanned vertical-lift aircraft and the pioneer of the revolutionary tiltrotor aircraft. Globally recognized for world-class customer service, innovation and superior quality, Bell’s global workforce serves customers flying Bell aircraft in more than 120 countries. Bell’s parent company, Textron Inc., a multi-industry company, continues to grow as an industry leader in aviation and military products. www.bellflight.com

Dataminr  Booth #235
Dataminr is a technology leader in big data 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. www.bisimulations.com

Decision Lens  Booth #535
Boeing  Booth #709
Boeing is the world’s largest aerospace company and innovative manufacturer of commercial jetliners and defense, space and security systems. A top U.S. exporter, Boeing products and services include commercial and military aircraft, satellites, weapons, C4ISR, electronic and defense systems, launch systems, and performance-based logistics and training. Boeing Defense, Space & Security is headquartered in Arlington, VA. Follow us on Twitter: @BoeingDefense.

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Bell  Booth #801
Bell Helicopter is an industry-leading producer of commercial and military, manned and unmanned vertical-lift aircraft and the pioneer of the revolutionary tiltrotor aircraft. Globally recognized for world-class customer service, innovation and superior quality, Bell’s global workforce serves customers flying Bell aircraft in more than 120 countries. Bell’s parent company, Textron Inc., a multi-industry company, continues to grow as an industry leader in aviation and military products. www.bellflight.com

For more information on any AFA conference and exposition, Corporate Membership or how to become a sponsor at any AFA event, please contact: Fred Ullman • Senior Director, Corporate Relations • fullman@afa.org
DETERRENCE IS IN OUR DNA.

Cyber resilient and cost-effective, Northrop Grumman’s Ground Based Strategic Deterrent is designed from day one to meet the evolving security challenges of the 21st century. northropgrumman.com/gbsd
LIST OF EXHIBITORS (continued)

Design Interactive

Design Interactive is a woman-owned small business human factors engineering firm specializing in augmented reality (AR) research and development services. Our AUGMENTOR™ system is an AR diagnostic and troubleshooting tool for maintenance operations and training that uses virtual guidance while operating on real equipment. AUGMENTOR™ is currently in use throughout the U.S. Navy, U.S. Air Force, commercial trucking, advanced manufacturing, and commercial aviation industries. http://designinteractive.net/augmentor

Dräger Inc.

For more than 100 years, Dräger has focused on one goal: human safety. By working closely with the US military, we have learned about the dangers you face on a daily basis. Using state-of-the-art technology development, we work products based on knowledge of your special requirements. Dräger solutions include respiratory protection systems, portable gas detectors and monitors, diving equipment, and NBC/CBRNe protection/detection systems—all backed by service and support points worldwide. www.draeger.com

Draken International

Draken has set a new standard in tactical flight support. With over 100 fighter aircraft, the company operates the largest privately-owned fleet of ex-military aircraft in the world. Draken aircraft are unique in their ability to replicate capabilities often found on 4th Gen fighter jets to include radar, but at considerably lower cost. Draken aircraft are used in various types of training objectives around the globe to include support for the USAF, USN, USMC, and other international partners. www.drakenintl.com

Enel America

Enel America helps keep America safe. For more than 25 years, our employees have delivered affordable, high-quality solutions that protect and saves lives. We are an American-run company that provides innovative and advanced capabilities for our nation’s military, border patrol agents and commercial pilots; sustainment and support solutions for aircraft and ground combat vehicles; and life-saving medical instrumentation technologies. www.enelamerica.com

ENSCO Avionics, Inc

ENSCO Avionics provides safety/mission-critical engineering and certification solutions, COTS HMI tools (DataPoint tool suite) and tailored synthetic vision applications. Our expertise includes DO-178C, DO-254, JSF-SEAL and military standards. For over 35 years, ENSCO Avionics has delivered solutions leveraging engineering expertise and HMI designer tools, enabling avionics system providers and integrators to reduce cost, meet schedules and access technical expertise across the system lifecycle. www.ensco.com

Evans Capacitor Company

Evans Capacitor Company manufactures hybrid wet tantalum capacitors. These EVANSCAPS provide significant design freedom by eliminating stray capacitance, weight and power compared to other capacitor technologies. EVANSCAPS feature high capacitance ratings, long operating life, low ESR and high current handling capability. They are perfectly suited for defense and aerospace applications where high reliability and SWaP savings are critical design factors. EVANSCAPS are in service with all tier 1 US aerospace and defense companies. www.evanscap.com

ForeFlight

ForeFlight MFB is an enhanced version of the ForeFlight Mobile electronic flight bag that supports global flight operations of government and military pilots with access to US Department of Defense Digital Flight Information Publications (DFIP). ForeFlight MFB gives military, government, and DOT pilots the tools they need for flight planning, weather, briefing, filing, checklist, and more—all in a user-friendly interface that simplifies planning, flying, and flight logging workflows. www.foreflight.com

GE Aviation

GE Aviation, an operating unit of GE (NYSE: GE), is a world-leading provider of jet and turboprop engines, components, integrated digital, avionics, electrical power and mechanical systems for commercial, military, business and general aviation aircraft. GE Aviation has a global service network to support these offerings. www.geaviation.com

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

General Atomics Aeronautical Systems, Inc. is a leading manufacturer of Remotely Piloted Aircraft (RPA) systems, radars, and electro-optic and related mission systems solutions, including the Predator®/Gray Eagle® aircraft series and the Lynx® Multi-mode Radar System. GA-ASI is dedicated to developing transformational technologies that deliver paradigm changing results: www.ga-asi.com

General Dynamics Mission Systems

General Dynamics Mission Systems is an innovative leader in mission critical C4ISR solutions. Customers depend on our products and systems to perform whenever they work, on land, at sea, into air and space, and across cyber. Explore the full spectrum of trusted solutions for customers in global defense, civilian and commercial markets at gdmissionsystems.com

Georgia Tech Research Institute (GTRI)

Georgia Tech Research Institute (GTRI) develops advanced technological solutions and large-scale systems that are designed to address the most difficult problems in national security, economic development and overall human betterment. Positioned within Georgia Tech, our core research areas include complex and agile systems engineering, sensor design and integration, information management and cyber security, and defense technology development. www.gtri.gatech.edu

Gulfstream

Gulfstream Aerospace Corporation designs, develops, manufactures, markets, services and supports the world’s most technologically advanced business-jet aircraft. Gulfstream has produced more than 2,500 aircraft for customers around the world since 1958. Gulfstream offers a comprehensive fleet of aircraft, comprising the Gulfstream G280, the Gulfstream G500, the Gulfstream G550, the Gulfstream G600, the Gulfstream G650 and the Gulfstream G650ER. www.gulfstreamnews.com

Harris Corporation

Harris Corporation is a leading technology innovator, solving customers’ toughest mission-critical challenges by providing solutions that connect, inform and protect. Harris supports government and commercial customers around the world. Learn more at www.harris.com

Hydrazine Neutralizing Solutions, Inc.

HNSI manufactures and markets ZeekKleen used throughout nuclear power generation, NASA and the F-35 Lightning and neutralizing hydrazine and MMH. Whether it’s to prevent a minor spill, reacting to a major spill, or neutralizing off-spec hydrazine or MMH, we have the safest, fastest, easiest to use, cost effective and most environmentally friendly solution to your hydrazine and MMH related problems. www.4zeekkleen.com

The Integrated Communications Systems Group (ICSG) Booth #104

The Integrated Communications Systems Group (ICSG), A Division of Matrech Inc., is 50 years old and is a certified small business. Our production.intercom system the AN/AQY-27, is flight qualified and has applications across fixed wing trainer, helicopter, and cargo aircraft platforms. ICSG designed and developed the AN/AQY-27 ICS which incorporates the latest SWuP-C initiatives. We can demonstrate our wireless intercommunication assets for aircrews, ground-crews and loadmasters today. www.icsg.us.com

iSENSYS LLC

iSENSYS is the global leader in near autonomous and autonomous targeting solutions. Customers rely on our systems to exceed the rigors of testing, targeting, and training on land, at sea, and in air environments. We ensure our design, development, and employment of our multi-dimensional target system allows you stringent operational requirements and timelines. Our full spectrum of systems can be effectively utilized in homeland security roles, we are poised to meet your most demanding challenges. www.isensys.com

KEL-LAC Tactical

Our company offers a complete line of individual equipment to include military uniforms, tactical apparel, outerwear, footwear, backpacks, holsters, ballistics, carriers, optics, flashlight, nylon gear, insignias and more. We offer value-added services to include professional tailoring, commercial screen printing and embroidery. https://kellac.com

Kratos Unmanned Systems (KUSD)

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L3 Technologies

L3 Technologies is an agile innovator and leading provider of global ISR, communications and networked systems, and electronic systems for military, homeland security and commercial aviation customers. With headquarters in New York City and approximately 31,000 employees worldwide, L3 develops advanced defense technologies and commercial solutions in pilot training, aviation security, night vision and EO/IR, weapons, maritime systems and space. The company reported 2017 sales of $9.6 billion. www.L3T.com

Leidos

Leidos is a Fortune 500® information technology, engineering, and science solutions and services leader working to solve the world’s toughest challenges in the defense, intelligence, homeland security, civil, and health markets. The company’s 32,000 employees support vital missions for government and commercial customers. Headquartered in Reston, VA, Leidos reported annual revenues of approximately $10.17 billion for the fiscal year ended 12/29/17. www.Leidos.com

Lockheed Martin Corporation

Headquartered in Bethesda, Maryland, Lockheed Martin is a global security and aerospace company that employs approximately 100,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services. www.lockheedmartin.com

Loos & Co. INC

Loos is listed with the US Government as a QPD (Qualified Producers Database) manufacturer of terminations, connectors and fittings for wire ropes and cables from 1/16” to 1” in diameter. Our fittings are qualified under MIL-DTL-761 and MIL-DTL-881. Specializing in MS, AN and NAS parts, our stainless-steel hardware has earned the reputation of having the finest quality in our industry. We are AS9100 certified and ISO 2008 compliant. Count on Loos & Co. for all your MRO requirements. www.loosco.com

LTC Partners®

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

MarkLogic

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F130 for B-52

The Rolls-Royce F130 brings a reliable and combat-proven engine to the B-52 Engine Replacement Program. With over 22 million flight hours in the family of engines, the F130 is already in the US Air Force fleet with over 200,000 combat hours. F130 engines for the B-52 will be digitally engineered, manufactured, assembled and tested in the US, at Rolls-Royce North America. American-made power for the B-52.
LIST OF EXHIBITORS (continued)

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Discover next-generation control technologies for your mission critical applications. Marotta is changing the game in weapon sub-systems with innovative control solutions for military and commercial aerospace programs around the world. Our growing portfolio includes award-winning power supplies, state-of-the-art control actuation systems and electronic motor drives. Stop by our stand to meet our team and learn more about our solutions capabilities. www.marotta.com

Martin-Baker Aircraft Co. Ltd.

Martin-Baker is the world’s longest established and most experienced manufacturer of ejection seats and related equipment. The company has also developed a range of crashworthy and crash-attenuating seats for helicopters and fixed-wing reconfigurable aircraft. Martin-Baker has headquarters in Denham (England) and the United States as well as locations in France, Italy and Australia. Backed by over 70 years of experience, Martin-Baker has saved over 7,500 aircrew lives in 84 air forces around the world. www.martin-baker.com

MBDA Missile Systems

MBDA Missile Systems is the world’s largest company that specializes only in missiles and missile systems. With over 11,000 employees, 3,000 missiles produced and $4 billion in revenue in 2013 – MBDA’s products are used by over 90 armed forces worldwide. www.mbdasystems.com

MDS Coating Technologies Corporation

MDS Coating Technologies designs and manufactures metallic-ceramic protective coatings for the aerospace industry. OEM certified BlackGold® Coating, sets new standards in erosion and corrosion protection for engine compressor parts and combined with ultra-fine MEERER® finish improves and retains engine performance. This proven and award winning nanotechnology has operated successfully for 25 years and has saved customers over $100 million per year in maintenance, repair and fuel costs. www.mdscoating.com

Meggitt Defense Systems

Meggitt Defense Systems specializes in the design, manufacture, integration and operation of scoring systems and services, towed targets, thermal management systems and components including fans, pumps and compressors, ammunition handling systems, airborne pods and countermeasure deployment used to support armed forces agencies worldwide. www.meggittdefense.com

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Northrop Grumman is a leading global security company providing innovative systems, products and solutions in autonomous systems, cyber, C4ISR, strike, and logistics and modernization to customers worldwide. Please visit www.northropgrumman.com for more information.

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Omega remains the only provider of contract aerial refueling services with its fleet of specially-modified aircraft to serve as tanker platforms. For more than 16 years, Omega has maintained a 99% mission completion rate for the U.S. Navy, Marine Corps and allies and recently added the V-22 to its list of receivers. Also, Omega engineers are leveraging the knowledge gained during their B-707 STC and Joint STARS re-engining programs to provide a cost effective re-engineing solution for the B-52H.

www.omegainairrefueling.com

Paramount Group (PG)

Paramount Group (PG) is a world leader in aerospace and defense innovation. A proudly South African company operating globally, its capabilities include the BRONCO II (a multi-role ISR and light attack aircraft), and a military aerospace capability on a range of aircraft, including supersonic fighter jets, including maintenance, airframe and engine overhaul, avionics and systems upgrades, and pilot training. With a newly established office in Ft. Worth, TX, PG is now operational in the US. www.paramountgroup.com

Parker Aerospace

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

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Raytheon Company

Raytheon Company, with 2017 sales of $25 billion and 64,000 employees, is a technology and innovation leader specializing in defense, civil government and cybersecurity solutions. With a history of innovation spanning 96 years, Raytheon provides state-of-the-art electronics, mission systems integration, CSTM products and services, sensor, effects, and mission solutions for customers in more than 80 countries. Raytheon is headquartered in Waltham, MA. Follow us on Twitter @Raytheon.

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SPEAKER BIOGRAPHIES

Tony Ambrozie  
Senior Vice President, Technology Engineering Excellence, The Walt Disney Company

Ambrozie leads a technology portfolio that enables innovation through data science and analytics, the implementation of standard architecture and application engineering, information security, and systems performance and availability for Disney’s Parks, Experiences and Consumer Products.

C1C Trey Arnold  
CAO, Association for Innovation

Arnold is a First Class Cadet (Senior) at the United States Air Force Academy, where he serves as the Chief Administrative Officer of the Association for Innovation (A4I) club as well as one of USAFA’s first University Innovation Fellows.

Jeff Babione  
Vice President and General Manager, Advanced Development Programs, Lockheed Martin Aeronautics Company

Babione is responsible for leading all Skunk Works® activities and personnel across the Lockheed Martin Aeronautics enterprise.

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.

Maj Gen Mark D. Camerer  
Director of Strategic Plans, Requirements and Programs, Air Mobility Command

Camerer is responsible for force structure planning, programming, doctrine, and requirements for the nation’s airlift and air refueling force.

Gen Gen William T. Cooley  
Commander, Air Force Research Laboratory

Cooley is responsible for managing a $2.5 billion Air Force science and technology program and an additional $2.3 billion in externally funded research and development.

Mark Cuban  
Entrepreneur, Investor, and Owner of the Dallas Mavericks

Mark Cuban is a world-renowned businessman, the owner of the Dallas Mavericks, and the bestselling author of How to Win at the Sport of Business.

Kim DeWitt  
Director, U.S. Air Force, Decision Lens

DeWitt helps national and international military and civilian leaders transform decision-making with data visualization technology, providing the ability to connect military strategy, programs, and resources to inform decision makers of the breadth of options and courses of action, and balance investment risks.

Maj Gen Michael A. Fantini  
Director, Air Force Warfighting Integration Capability

Fantini leads advanced efforts for design, integration and capability development across the Total Force for multi-domain concepts.

Maj Gen Peter E. Gersten  
Commander, U.S. Air Force Warfare Center

Gersten leads USAFWC’s mission to develop innovative leaders and full spectrum capabilities through responsive, realistic and relevant Air Force and joint testing, tactics development and advanced training across all levels of war.

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 685,000 Active Duty, Guard, Reserve, and civilian forces serving in the U.S. and overseas.

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.
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Kevin Mickey  
*Sector Vice President and General Manager, Military Aircraft Systems, Northrop Grumman*


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.

Gabe Mounce  
*Director, Air Force Space Accelerator Program*

Mounce leads the Air Force Space Accelerator Program on behalf of the AFRL Space Vehicles Directorate and manages technology commercialization and economic development for the AFRL’s Technology Engagement Office in New Mexico.

Maj Gen Marc H. Sasseville  
*Deputy Director, Air National Guard*

Sasseville assists the Air National Guard Director in formulating, developing and coordinating all policies, plans and programs affecting more than 105,700 Air National Guard members and civilians.

Steve Parker  
*Vice President & T-X Program Manager Strike, Surveillance and Mobility, The Boeing Company*

Parker is responsible for delivering on the $9.2 billion U.S. Air Force Advanced Pilot Training Program contract which includes aircraft and ground based training devices and support.

Shawn Springs  
*CEO, Windpact, Inc.*

Springs, a retired NFL player, is Founder and CEO of Windpact, a technology and applied science company focusing on impact protection in sports, military, and automotive industries.

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.

Gen Maj Alfred K. Flowers, USAF (Ret.)  
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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.
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Welsh was the 20th Chief of Staff of the U.S. Air Force and serves as the dean of the Bush School at Texas A&M University.

**The Honorable Heather Wilson**  
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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 685,000 Active Duty, Guard, Reserve, and civilian forces as well as their families.

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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.

**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 more than 19 million square miles.

**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.

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M-1 Cargo Parachute Release Assembly Timer Block Fail Safe
A fail-safe device to possibly eliminate malfunctions created by the cargo parachutes releasing prematurely in the event of a timer malfunction.
Submitted by: SSgt Travis Alton

MQ-9 Digital Aircraft Link Emulator (DALE)
The emulator mounts the minimal essential parts of an MQ-9 into a tactical case to expedite testing expeditionary Launch and Recovery Element operations.
Submitted by: MSgt Bridget A. Neighbor, SSgt Frederick A. Van Riper, and TSgt Jonathan P. Zielinski

Renewable Energy Power Supply for Joint Chemical Agent Detector (JCAD)
A renewable energy power supply for the JCAD to run the detector continually with minimal user maintenance.
Submitted by: MSgt Jonathan Maas

Integrated Communication Respirator System
A respirator with an integrated camera, speaker, and microphone to enhance communication, allowing outside input, second opinions and detailed communication at critical times while increasing safety.
Submitted by: Ms. Mia Tobitt and MSgt William Bell

Lexi – Computer Assisted Weather Forecasts
Innovative software that helps weather forecasters develop products for their customers by compiling data points from multiple locations, assessing logical decisions based on these data points and then assisting a forecaster by preparing a Mission Execution Forecast.
Submitted by: Preparatory School Cadet Usama Bamieh

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