2019 SHOW GUIDE



ARMY AUTONOMY APPLICATION ARTIFICIAL INTELLIGENCE

SYMPOSIUM & EXPOSITION

A PROFESSIONAL DEVELOPMENT FORUM

20-21 NOVEMBER 2019

TCF CENTER (FORMERLY COBO CENTER) // DETROIT, MICHIGAN





19–21 MAY 2020 • HONOLULU, HAWAII







Exhibits & Demos

Exhibit Space & Sponsorships Available

Jamie Woodside, CEM jwoodside@ausa.org Gaye Hudson



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SECURITY AND DEFENSE



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WWW.AUSA.ORG/MEET

EXHIBITS Michael Cerami mcerami@ausa.org

SPONSORSHIPS Gaye Hudson ghudson@ausa.org



WELCOME TO THE 2019 AUSA ARMY AUTONOMY & AI SYMPOSIUM AND EXPOSITION

A Professional Development Forum



On behalf of all of us at AUSA, thank you for joining us at the Army Autonomy and Artificial Intelligence Symposium in Detroit, MI. We are extremely pleased to be holding this event at the TCF Center.

This important event will explore and showcase innovative ways the U.S. Army is addressing critical capability requirements in robotics, autonomy, machine learning, and artificial intelligence to effectively operate below armed conflict, and when necessary, to fight and win across all

operational domains - land, air, maritime, space and cyberspace. We will explore how the Army-Industry team can best collaborate to achieve cost-effective ground-breaking solutions to military operational challenges, seamlessly reallocate operational resources as conditions change, and do so with the speed and efficiency that adversaries cannot match.

This event provides a forum for attendees to interact and participate in discussions with senior leaders from the Army, other military services, academia and industry about the Army's efforts to develop autonomy and Al capabilities for all domains. It will also provide a platform for industry partners to demonstrate breakthrough technologies that could help the U.S. Army meet its operational requirements.

In this Show Guide, you'll find a complete listing of all exhibiting organizations, as well as key details on how to take full advantage of our event. A special thank you to all of our great exhibitors and sponsors for making this Show Guide possible. We look forward to seeing you throughout this event.

state Han

Carter F. Ham General, U.S. Army Retired President & CEO Association of the United States Army

WHY JOIN AUSA?



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GENERAL INFORMATION & IMPORTANT SHOW REMINDERS

The events listed below will take place in Exhibit Hall D

WELCOME TO MICHIGAN OPENING RECEPTION

Open to all registered attendees

Wednesday, 20 November: 1700 - 1830

Sponsored by: General Dynamics Land Systems, AUSA Arsenal of Democracy Chapter and General Dynamics

REGISTRATION

Tuesday, 19 November:	1300 – 1700
Wednesday, 20 November:	0700 – 1700
Thursday, 21 November:	0700 – 1530

EXHIBIT HALL HOURS

Wednesday, 20 November: 0900 - 1830Thursday, 21 November: 0900 - 1530

COFFEE SERVICE AND REFRESHMENT BREAKS

Wednesday, 20 November:

Thursday, 21 November:

0700	_	0800	Sponsored by General Dynamics
1015	_	1045	Sponsored by BAE Systems
1230	_	1330	Sponsored by Soar Technology

1515 - 1530

0700 - 0800 Sponsored by Alion Science & Technology

- 1045 1015 Sponsored by BAE Systems

- 1330 1215

ONSITE MEETING ROOMS

A limited amount of meeting space is available for use during the symposium. For more information, please visit the AUSA registration desk located in Hall D.

PRESENTATIONS & PHOTOS

Conference presentations and photos will be available online post event at: www.ausa.org/meetings

ACCESSIBILITY

The TCF Center provides visitors with ADA compliant accessibility.

Wheelchairs may be requested at the concourse information desk adjacent to the Joe Louis statue.

WIFI

To connect to complimentary WiFi throughout the TCF Center, search for the wireless network named "TCF Free" Next, check mark the box to accept terms. No password is needed to access the network.

ARMY AUTONOMY AND ARTIFICIAL INTELLIGENCE & EXPOSITION

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Land Systems

TWO STAR OPENING RECEPTION SPONSORS

AUSA Arsenal of Democracy Chapter





GENERAL DYNAMICS

COFFEE AND REFRESHMENT SPONSORS



BAE SYSTEMS





SUPPORTING SPONSORS





AGENDA

TUESDAY, 19 NOVEMBER

1200 – 1700 **EXHIBITOR MOVE-IN**

1300 – 1700 **REGISTRATION HOURS**

WEDNESDAY, 20 NOVEMBER

0700 – 1830 **REGISTRATION HOURS**

0700 – 0800 MORNING COFFEE SERVICE

Sponsored by: General Dynamics

0800 – 0805 **SYMPOSIUM ADMINISTRATION, SAFETY, SECURITY**

Mr. Alex Brody

Senior Director, Meetings Association of the United States Army

0805 - 0815 INTRODUCTION/WELCOME

GEN Carter Ham

United States Army Retired
President and Chief Executive Officer
Association of the United States Army

0815 - 0830 **WELCOME TO DETROIT**

Brig. Gen. Bryan Teff

Assistant Adjutant General-Air Michigan National Guard

0830 - 0900 OPENING KEYNOTE SPEAKER

HON James E. McPherson

Senior Official Performing the Duties of Under Secretary of the Army

0900 - 1015 PANEL DISCUSSION 1

Before the First Shot: Al and Autonomous Capabilities in Support of Competition

U.S. adversaries are investing billions in AI, further widening the technology gap in their favor and diluting the operational deterrence the U.S. is committed to preserve. What are U.S. adversaries doing with this technology, and how can the U.S. leverage the promise of AI and posture itself to compete and maintain its strategic advantage?

Panel Chair:

MG William Hix

United States Army Retired Founder and Managing Partner Next Horizons Partners Panel Moderator:

WEDNESDAY, 20 NOVEMBER, CONT.

LTC Arnel David

U.S. Army Strategist Serving in the United Kingdom as the Special Assistant for the Chief of the General Staff

Mr. Brandon Tseng

Chief Operating Officer and Co-founder Shield Al

COL Alexander Porter

Assistant Head Concepts, Directorate of Capability British Army Headquarters

Mr. Alexander Miller

Science and Technology Advisor Office of the Deputy Chief of Staff, G-2

1015 – 1045 **REFRESHMENT BREAK**

Sponsored by: BAE Systems

1045 – 1100 ARMY TECH TALK: ARMY APPLICATIONS LAB

MAJ Alan Overmyer

Operations Officer, Commercial Operations Army Applications Laboratory United States Army Futures Command

1100 – 1215 **PANEL DISCUSSION 2**

Cloud Computing and Army Strategy

How the U.S. Army must fight, as an element of the Joint Force, will require communication and computation while on the move in a highly lethal, hyperactive operating environment. What cloud computing technologies, architectures, and infrastructure should the U.S. Army pursue to enable intelligence and targeting capabilities at the tactical edge that are normally reserved for higher echelons?

Panel Chair:

Mr. Leonel Garciga

Director, Information Management Office of the Deputy Chief of Staff, G-2

Panel Moderator:

Mr. Stephen Rodriguez

Partner

One Defense

Mr. Gregg Judge

Acting Director, Operations and Architecture Headquarters Department of the Army, CIO/G-6

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AGENDA

WEDNESDAY, 20 NOVEMBER, CONT.

Col. Mark Valentine

United States Air Force Retired Director, United States Army Team Microsoft

Mr. Don Bitner

Chief, Strategy and Development for Infrastructure Joint Artificial Intelligence Center

Mr. Matt Carroll

Chief Executive Officer Immuta

1215 – 1230 ARMY TECH TALK: ARMY AI TASK FORCE

LTC Isaac Faber, PhD

Chief Data Scientist United States Army Artificial Intelligence Task Force

1230 – 1330 **NETWORKING BREAK**

Sponsored by: Soar Technology

1330 – 1400 **KEYNOTE SPEAKER**

Mr. Raghu Ramakrishnan

Chief Technology Officer, Azure Data Group Microsoft

1400 - 1515 **PANEL DISCUSSION 3**

Customizing AI and Autonomous Solutions

Modern processing has evolved beyond the single, multi-functional processor to multiple processors for each function. Software and Hardware are being built in parallel to one another requiring an ability to program and engineer custom solutions. How does the U.S. Army achieve this capability when the closer it gets to the tactical edge, the more custom it must eventually be? How does the U.S. Army develop solutions to compute, transport, and store data within range of adversary systems?

Panel Chair:

BG Richard Coffman

Director, Next Generation Combat Vehicle Cross Functional Team United States Army Futures Command

Panel Moderator:

MAJ Amber Walker

Program Manager, Tactical Technology Office Defense Advanced Research Projects Agency

Mr. Frank Schirrmeister

Senior Group Director, Product Management and Marketing Cadence Design Systems

WEDNESDAY, 20 NOVEMBER, CONT.

Dr. Ryan Close

Director, Air Systems Division, Night Vision and Electronic Sensors Directorate, C5ISR Center United States Army Futures Command

Ms. Margaret Amori

Business Development Lead NVIDIA Federal

Ms. Wendy Anderson

Strategy and Policy Advisor Defense Tech, Innovation and Al

1515 – 1530 REFRESHMENT BREAK

Sponsored by: BAE Systems

1530 – 1545 **DOD TECH TALK: DEFENSE SYSTEMS INFORMATION ANALYSIS CENTER**

Mr. Brian Benesch

Assistant Director Defense Systems Information Analysis Center

1545 - 1700 PANEL DISCUSSION 4

Data is the New Oil – Data, Sensors, and the DoD's Data Curation Challenge

There is a massive amount of data available to the military, but it tends to be stored all over the place, and rarely in a format that is easily transferrable into an algorithm. How can the U.S. Army curate, label, and clean data for ingestion and processing? How does the Army integrate ubiquitous sensor and synthetic data into a compatible format? Moreover, how does the Army recruit and train the data scientists necessary to make use of it?

Panel Chair:

MG John Ferrari

United States Army Retired Chief Administrative Officer QOMPLX

Panel Moderator:

Mr. Sydney Freedberg

Deputy Editor BreakingDefense

Panel Members:

Mr. J.D. Stanley III

Chief Operations Officer IoT/AI

Mr. Parker Barnes

Product Manager, Cloud Al Google

AGENDA

WEDNESDAY, 20 NOVEMBER, CONT.

Mr. Brian Miloski

President ALQIMI

LTC Matt Benigni

Chief Data Scientist
Joint Special Operations Command

Mr. Dan Jensen

Director, Army Analytics Group Office of the Deputy Under Secretary of the United States Army

1700 – 1830 WELCOME TO MICHIGAN OPENING RECEPTION

Sponsored by General Dynamics Land Systems, AUSA Arsenal of Democracy Chapter and General Dynamics

THURSDAY, 21 NOVEMBER

0700 - 1700 **REGISTRATION**

0700 - 0800 MORNING COFFEE SERVICE

Sponsored by: Alion Science & Technology

0800 - 0805 **OPENING REMARKS**

GEN Carter Ham

United States Army Retired
President and Chief Executive Officer
Association of the United States Army

0805 - 0815 WELCOME TO DETROIT

Ms. Tammy Carnrike

Civilian Aide to the Secretary of the Army, Michigan Chief Operating Officer, Detroit Regional Chamber

0815 - 0845 KEYNOTE PRESENTATION

Ms. Gayle Lemmon

Chief Marketing Officer Shield Al

Author of New York Times Best Seller Ashley's War: The Untold Story of a Team of Women Soldiers on the Special Ops Battlefield

0845 - 1000 PANEL DISCUSSION 5

A Venture Capital Approach to Al Acquisition

As we evolve from an industrial-age to an informationage, the U.S. Army is turning to industry and non-traditional start-ups for innovative solutions to difficult problems. However, legacy processes and policies overburden any would-be partners. What are the challenges facing prospective partners wanting to

THURSDAY, 21 NOVEMBER, CONT.

do business with the U.S. Army? What lessons can we learn from start-ups and industry to improve the collaboration space for defense innovation?

Panel Chair:

Mr. Josh Wilson

Vice President, Advanced Analytics Service Line LMI

Panel Moderator:

LTC David Beskow

Institute for Software Research Carnegie Mellon

Panel Members:

Brig. Gen. Balan Ayyar

United States Air Force Retired Chief Executive Officer Percipient.ai

Dr. Todd Carrico

Chief Executive Officer Cougaar Software

Mr. Kevin Landtroop

Defense Venture Partner Capital Factory

Mr. A.J. Bertone

Principal, Partner In-Q-Tel

1000 - 1015 **ARMY TECH TALK:**

Joint Artificial Intelligence Center Department of Defense

MAJ Nathaniel D. Bastian, PhD

Senior Data Scientist and Al Engineer Joint Artificial Intelligence Center Department of Defense

1015 – 1045 REFRESHMENT BREAK

Sponsored by: BAE Systems

1045 – 1100 FIRST ROBOTICS STUDENT INNOVATION DISCUSSION

Hear from the next generation of STEM leaders and innovators during this interactive session focused on the projects of Macomb County Michigan's FIRST Robotics high school students.

Moderated by:

Dr. Robert W. Sadowski

Chief Roboticist

Ground Vehicle System Center

Combat Capabilities Development Command

AGENDA

THURSDAY, 21 NOVEMBER, CONT.

1100 – 1215 **PANEL DISCUSSION 6**

Winning the War for Al/Auto Talent

Talent development remains one of the U.S.'s greatest competitive advantages. In the coming years, competition for highly skilled talent will increase, placing an incredible burden on the U.S. Army to identify and recruit highly sought after human capital. What expertise and capabilities are needed at each U.S. Army echelon? What tasks do we outsource to other areas of the defense establishment? And, how will the U.S. Army attract and retain the Al talent it needs?

Panel Moderator:

COL Nicole Curtis

Chief, Warfighting Analysis Division The Joint Staff

Panel Members:

MG Richard Staats

Commanding General
75th Innovation Command

COL Greta Railsback

Director, Center for the Army Profession and Leadership United States Army

Mr. William Treseder

Senior Vice President, Product BMNT

MAJ Nathaniel D. Bastian, PhD

Senior Data Scientist and Al Engineer Joint Artificial Intelligence Center Department of Defense

LTC Kristin Saling

Chief Analytics Officer Army Talent Management Task Force United States Army

1215 – 1330 **NETWORKING BREAK**

1330 – 1345 **ARMY TECH TALK:**

Combat Capabilities Development Command

Mr. Jeffrey Langhout

Director, Ground Vehicle Systems Center Army Combat Capabilities Development Command

THURSDAY, 21 NOVEMBER, CONT.

1345 - 1500 **PANEL DISCUSSION 7**

Multi-Domain Command and Control

Convergence is the rapid and continuous integration of capabilities in all domains employing Cross-Domain Synergy, redundant kill-chains, and Mission Command. MDC2 is a necessary component to realize the level of integration across the joint force unlike anything that is possible today – linking any sensor, to any shooter, through any command and control (C2) node, in near real-time and with the appropriate authorities. The speed and velocity of decision making and capability integration will only be made possible through the use of AI and autonomous capabilities.

Panel Chair:

GEN Robert Brown

United States Army Retired Former Commanding General United States Army Pacific Director, Multi-Domain Task Force

Panel Moderator:

LTC Ben Jensen, PhD

Professor of Strategic Studies and Future War Course Director, Marine Corps University

Brig. Gen. David Kumashiro

Director, Joint Force Integration Deputy Chief of Staff for Strategy Integration and Requirements Headquarters United States Air Force

Mr. Tony Frazier

Executive Vice President, Global Field Operations Maxar Technologies

1500 – 1530 **KEYNOTE PRESENTATION**

BG Matthew P. Easley

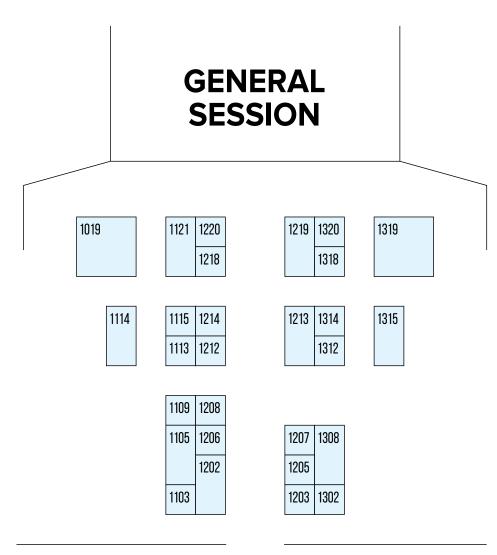
Director, Artificial Intelligence Task Force United States Army Futures Command

1530 **CLOSING REMARKS**

GEN Carter Ham

United States Army Retired
President and Chief Executive Officer
Association of the United States Army

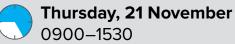
FLOOR PLAN



REGISTRATION AREA

EXHIBIT HALL HOURS





20-21 November 2019

TCF Center | Detroit, Michigan

EXHIBITOR NAME BOOTH

EXHIBITUR NAME	ROOIF
Alion Science & Technology	1318
Aquiline Drones, LLC.	1121
ARGO Federal	1105
ASRC Federal	1208
AUSA Membership	1202
CCDC-Ground Vehicle	1202
System Center	1019
Chooch Al	1315
Cintel, Inc.	1114
Crystal Group, Inc.	1207
Dell Technologies	1302
DSIAC	1214
General Dynamics	
Land Systems	1203
Getac	1103
Ghost Robotics	1212
Google Cloud	1206
IBM Corporation - Austin	1219
Intrepid Control Systems	1218
Macomb County Planning and Economic Development	1319
National Advanced Mobil Consortium (NAMC)	ity 1213
National Robotics Engineering Center	1109
NCI Information Systems, Inc.	1205
Neya Systems	1115
PacStar	1320
Percipient.ai	1312
Photodon, LLC	1113
Seven Technologies Group Ltd	1220
Shield Al	1308
Soar Technology, Inc.	1314

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Alion Science & Technology

Booth: 1318

1750 Tysons Boulevard, Suite 1300 McLean, VA 22102 United States

Aquiline Drones, LLC. Booth: 1121

Contact(s): Kristin Mills 750 Main Street, Suite 319 Hartford, CT 06103 United States Telephone: +1 (860) 364-7958 Email: kmills@aquilinedrones.com Website: www.aquilinedrones.com

Aquiline Drones (Solutions), LLC. is an aviation-inspired drone enterprise offering key solutions to the UAV industry; namely additive manufacturing and OEM services, as well as cloud-based UAS and UTM infrastructure. Underpinned by the ARTS (Accountability, Reliability, Transparency and Safety), ADS is steadfast in its mission to transform the UAV and UAS landscapes; promoting aviation-grade safety standardization as crucial industry hallmarks. ADS recognizes drone as aircraft, not gadgetry.

Categories: Cyber Security; Electronic Warfare and Jamming Systems; Electronics, Subsystems and Components; IT, Computing and Software; Logistics, Transportation, Supply and Spares; Manufacturing, Engineering and Test Equipment; Unmanned Aircraft Systems; Unmanned Systems

ARGO Booth 1105

220 Bergey Court New Hamburg, ON N3A 2J5 Canada

ASRC Federal Booth: 1208

Contact(s): Clay Davis

7000 Muirkirk Meadows Drive, Suite 100 Beltsville, MD 20705-6351 United States

Telephone: +1 (301) 837-5500 Email: CIDavis@asrcfederal.com Website: www.asrcfederal.com

ASRC Federal comprises a family of companies that deliver engineering, information technology, infrastructure support, professional and technical services to U.S. civil, defense and intelligence agencies. ASRC Federal companies have employees in over 40 states across the U.S. focused on providing reliable, cost-efficient services that help government customers achieve mission success. Headquartered in Beltsville, Maryland, ASRC Federal is a wholly-owned subsidiary of Arctic Slope Regional Corp.

AUSA Membership

Booth: 1202

Contact(s): Christine Lathrop 2425 Wilson Boulevard Arlington, VA 22201 United States Telephone: +1 (855) 246-6269 Email: clathrop@ausa.org Website: www.ausa.org



The Association of the United States Army is a nonprofit educational and professional development association serving America's Army and

supporters of a strong national defense. AUSA provides a voice for the Army, supports the Soldier and honors those who have served in order to advance the security of the nation.

Categories: Events and Publications; Non-Profit Associations; Universities and Educational Organizations

EXHIBITOR DESCRIPTIONS

CCDC-Ground Vehicle System Center

Booth: 1019

Booth: 1315

Contact(s): Alicia Price 6501 E 11 Mile

Detroit Arsenal, MI 48397 United States

Email: alicia.b.price4.ctr@mail.mil

Our Mission: Develop, integrate, demonstrate, and sustain ground vehicle systems capabilities to support Army modernization priorities and improve readiness. The United States Army CCDC Ground Vehicle Systems Center (GVSC), located in Warren, Michigan, is the United States Armed Forces' research and development facility for advanced technology in ground systems. It is part of the U.S. Army Combat Capabilities Development Command (CCDC), a major subordinate command of the U.S. Army Futures Command.

Categories: Armoured Fighting Vehicles and Upgrades; Government Organization; Military and Special Purpose Vehicles; Military Organization; Unmanned Systems

Chooch Al

Contact(s): Jeffrey Goldsmith 2 Embarcadero Center, 8th Floor San Francisco, CA 94010 United States Email: jeff@chooch.ai

Chooch AI is an end-to-end Visual AI platform, with an API, SDK, and dashboard, deployed in the cloud and on the edge, with customers across many industries, including the U.S. Government. Combining computer vision training with machine learning, Chooch offers object recognition, action detection, complex counting, facial authentication and more. Chooch's machine learning tools can ingest any type of visual data and generate results with over 99% accuracy. Try it at Chooch.AI/demo

Categories: Other Computer Vision

Cintel, Inc.

Contact(s): Dale Jobes 7205 Sterling Ponds Court

Sterling Heights, MI 48312 United States Telephone: +1 (256) 565-4768

Email: dale.jobes@cintel-inc.com Website: www.cintel-inc.com

Cintel is a Small Business providing Technology Development and Services in Machine Learning/ Artificial Intelligence, Data Science & Analytics, Systems Engineering, Cyber Security, Modeling and Simulation, Software Development, Tactical Systems Integration, Energy & Power Systems and Programmatic support to an array of Government and Commercial clients. We offer our clients nimble, unique, and value focused solutions with an emphasis on leveraging state-of-the-art advanced technology.

Booth: 1114

Categories: Command and Control Systems and Components (C4I); Cyber Security; Data Recording and Storage; Design and Information Management Software; Electrical Equipment, Batteries and Power Supply; Electronics, Subsystems and Components; Fire Control and Targeting; IT, Computing and Software; Logistics, Transportation, Supply and Spares; Manufacturing, Engineering and Test Equipment; Missiles, Rockets and Components; Navigation and Satellite Communications; Other Data Science and Analytics

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Booth: 1207

Crystal Group, Inc.

Contact(s): Jakelyn Coon 855 Metzger Drive

Hiawatha, IA 52233-1257 United States

Telephone: +1 (319) 378-1636 Email: jcoon@crystalrugged.com Website: crystalrugged.com

Crystal Group is a leading rugged computer hardware manufacturer that specializes in advanced design, engineering, integration, configuration management, lifecycle planning of custom rugged servers, embedded, networking, displays, power supplies, and data storage devices for high reliability in harsh environments. All products meet/exceed IEEE, IEC, and MIL-STD-810, 167-1, 461, MIL-S-901. NIST compliant and AS9100D certified.

Categories: Command and Control Systems and Components (C4I); Communications Systems and Equipment; Cyber Security; Data Recording and Storage; Electrical Equipment, Batteries and Power Supply; Electronics, Subsystems and Components; Rugged Computers, Workstations and Peripherals; Unmanned Systems

Dell Technologies Booth: 1302

Contact(s): Kathleen Sanders 1 Dell Way

Round Rock, TX 78682 United States Email: kathleen.sanders@dell.com Website: www.delltechnoloiges.com

Dell Technologies is a unique family of businesses that provides the essential infrastructure for organizations to build their digital future, transform IT and protect their most important asset, information. The company services customers of all sizes with the industry's most comprehensive and innovative portfolio from the edge to the core to the cloud.

DSIAC Booth: 1214

Contact(s): Brian Benesch 4695 Millennium Drive Belcamp, MD 21017 United States Email: brian.benesch@dsiac.org

Website: www.dsiac.org

The Defense Systems Information Analysis Center (DSIAC) is a component of the U.S. Department of Defense's Information Analysis Center (IAC) enterprise. The purpose of DSIAC is to provide information research and analysis, within nine chartered focus areas, for DoD and Federal government users to stimulate innovation, foster collaboration, and eliminate redundancy. The scope of DSIAC includes autonomous systems; military sensing; weapon systems; survivability; and directed energy.

Categories: Ammunition and Fuzes; Armoured Fighting Vehicles and Upgrades; Body Armor or Apparel; Bridging; Recovery, Breaching and Engineering; Command and Control Systems and Components (C4I); Communications Systems and Equipment; Countermeasures, Camouflage and Pyrotechnics; Cyber Security; Data Recording and Storage; Design and Information Management Software; Electronic Warfare and Jamming Systems; Electronics, Subsystems and Components; Events and Publications; Explosive Ordnance Disposal and Mine Clearance; Explosives, Powders and Propellants; Fire and Explosion Protection; Fire Control and Targeting; Government Organization; Helicopters; Machine Guns, Small Arms and Sights; Manufacturing, Engineering and Test Equipment; Military Vehicle Parts and Spares; Missiles, Rockets and Components; Navigation and Satellite Communications; Noise, Shock and Vibration Control; Optronics, Surveillance and Sighting Systems; Personal Protection, Medical and Survival Equipment; Propulsion, Transmission and Components; Tactical Gear; Technical Publications and Media; Tracks, Wheels, Tires and Runflats; Training and Simulation; Turrets and Turret Subsystems; Unmanned Aircraft Systems; Unmanned Systems; Vehicle Ballistic Protection

EXHIBITOR DESCRIPTIONS

Booth: 1203

General Dynamics Land Systems

Contact(s): Jackie Roskopp 38500 Mound Road

Sterling Heights, MI 48310-3200 United States

Telephone: +1 (586) 825-4000 Email: roskoppj@gdls.com Website: www.gdls.com

General Dynamics Land Systems leads the way in designing, modernizing and manufacturing the world's most recognized land combat vehicles and capabilities. We produce main battle tanks and wheeled armored vehicles that are ready now for America's Army. We are developing a range of advanced technologies and high-performance weapon systems to make sure that those who protect freedom are ready for tomorrow. We partner with our customers to provide solutions ahead of need. Innovation is in our DNA.

Categories: Armoured Fighting Vehicles and Upgrades; Manufacturing, Engineering and Test Equipment; Military and Special Purpose Vehicles; Military Vehicle Parts and Spares; Unmanned Systems

Getac Booth: 1103

Contact(s): Keri Bolding

15495 Sand Canyon Avenue, Suite 350

Irvine, CA 92618 United States Email: Keri.Bolding@getac.com Website: www.getac.com

Since 1989, Getac has manufactured rugged computers for the most demanding users in the harshest environments. Our laptop and tablet computers can be found across the globe in every branch of the US military, thousands of law enforcement agencies and large-scale manufacturing organizations, to name a few.

Categories: Command and Control Systems and Components (C4I); IT, Computing and Software; Materials Handling and Packaging; Rugged Computers, Workstations and Peripherals

Ghost Robotics

Contact(s): Jiren Parikh 3401 Grays Ferry Avenue, Building 197

Philadelphia, PA 19146 United States Email: jiren.parikh@ghostrobotics.io Website: www.qhostrobotics.io

Robots That Feel the World

Ghost Robotics™ is revolutionizing legged robotics and the market for tele-operated, semi and fully autonomous hardened unmanned ground vehicles (UGVs) for operating on on rough outdoor and subterranean terrain, stairs and urban environments. Recon, ISR, mesh battlefield communications, perimeter security, targeting, EOD and other applications for warfighter protection. Our quadrupedal UGVs (Q-UGVs) are unstoppable.

Booth: 1212

Categories: Base/Camp Protection and Security; Communications Systems and Equipment; Electronic Warfare and Jamming Systems; Explosive Ordnance Disposal and Mine Clearance; Fire Control and Targeting; Military and Special Purpose Vehicles; Unmanned Systems

Google Cloud Booth: 1206

Contact(s): Anthony Pasquesi 1600 Amphitheatre Parkway

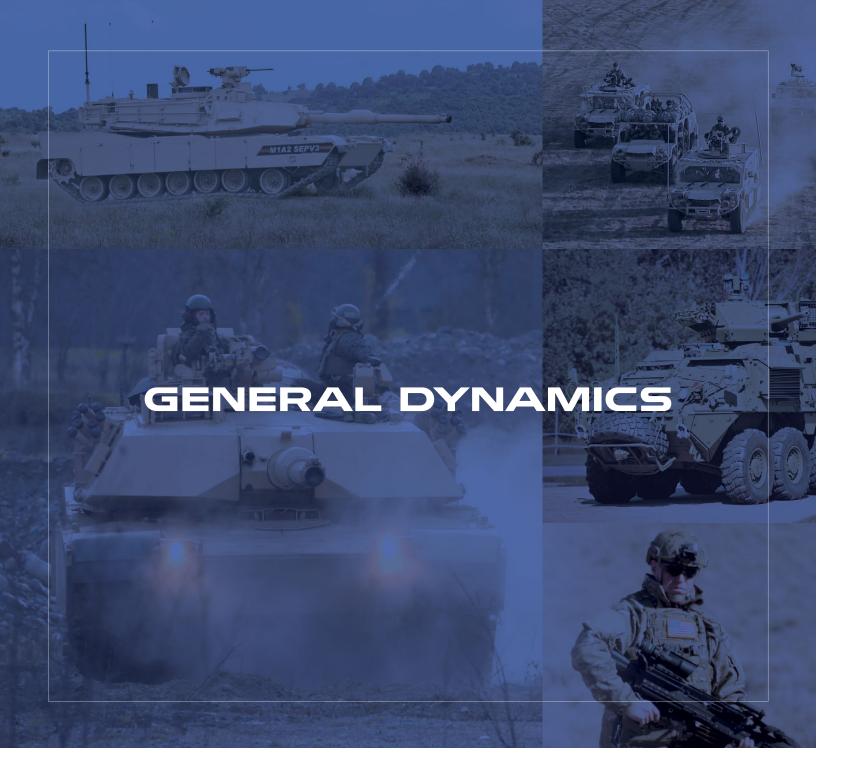
Mountain View, CA 94043 United States

Email: anthpas@google.com Website: cloud.google.com

Google is a trusted technology leader who understands how to help agencies transition from legacy architectures and utilize their data to fuel true mission success. Google Cloud provides cloud-native infrastructure with layered security, machine learning and analytics at web-scale to rapidly innovate and advance agency goals. For more information: cloud.google.com/solutions/government/

Categories: Cyber Security; Data Recording and Storage; IT, Computing and Software

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DRIVING AMERICA'S ARMY INTO THE FUTURE

General Dynamics is investing in the next technologies, capabilities and platforms that will support the U.S. Army and U.S. allies across all domains.

•••• generaldynamics.com •••••

EXHIBITOR DESCRIPTIONS

IBM Corporation - Austin Booth: 1219

Contact(s): Stephanie Decker

11501 Burnet Road

Austin, TX 78758 United States Email: stephanie.decker@ibm.com

Website: www.ibm.com

Welcome to the cognitive era, in which systems understand, reason, learn and interact. Cognitive systems ingest data to deliver insights, fostering better decision-making and amplifying agility in an increasingly complex threat environment. Compelling applications for defense include fleet readiness and maintenance, cybersecurity, imagery analysis and situational understanding. Are you ready for this new era? For more information, go to ibm.com/national-security.

Categories: Cyber Security; Data Recording and Storage; Design and Information Management Software; IT, Computing and Software; Training and Simulation

Booth: 1218

Intrepid Control Systems

Contact(s): Erika Allen 31601 Research Park Drive

Madison Heights, MI 48071 United States

Telephone: +1 (586) 731-7950 Email: eallen@intrepidcs.com Website: www.intrepidcs.com

Intrepid Control Systems (www.intrepidcs. com) has been thriving for 25 years, producing advanced hardware and software tools for engineers in vehicle autonomy, connectivity, automotive Ethernet and embedded engineering. Intrepid also produces industry-leading devices for 10GBASE-T, 1000BASE-T1 and 100BASE-T1 and supports the latest networks and protocols, including AUTOSAR, CAN FD, CAN, LIN, FlexRay, Automotive Ethernet, Keyword, UART, J1939, ISO 14229 and GMLAN.

Macomb County Planning and Economic **Development Booth: 1319**

Contact(s): Vicky Rad 1 South Main Street

Mt. Clemens, MI 48043 United States Email: vicky.rad@macombgov.org Website: www.macombbusiness.com

The Macomb County Department of Planning & Economic Development supports an environment where businesses prosper and people thrive. Its activities and programs are focused on stimulating the local economy through business retention, expansion and attraction while improving the overall quality of life for residents. The department specializes in providing personalized, confidential and free services.

Categories: Government Organization; Other

National Advanced Mobility Consortium (NAMC) Booth: 1213

Contact(s): Laura Friess 3025 Boardwalk

Ann Arbor, MI 48108 United States Telephone: +1 (734) 995-3098

Email: lauraf@ncms.org

Website: www.namconsortium.org

The National Advanced Mobility Consortium (NAMC) is an Ann Arbor, Michigan-based 501(c)3 that functions as the industry and academic half of a unique Government/Industry/Academic partnership – the Defense Mobility Enterprise -- created for advancement of ground vehicle system and related component technologies. Under the auspices of a Section 815 OTA, DoD customers in conjunction with NAMC Members undertake research and development projects to adapt, harden and integrate ground vehicles.

Booth: 1109

Booth: 1205

National Robotics Engineering Center

Contact(s): Jeff Legault

10 40th Street

Pittsburgh, PA 15201-3209 United States

Telephone: +1 (412) 681-6900 Email: jlegault@nrec.ri.cmu.edu Website: www.nrec.ri.cmu.edu

NREC is an advanced R&D center within Carnegie Mellon University and is home to the world's leading robotics experts. Our programs place NREC at the forefront in unmanned ground vehicle design, autonomy, sensing and perception, machine learning, machine vision, autonomous navigation, humanoid, manipulation, operator assistance, robotic safety as well as testing and validation. We develop complete solutions to the most challenging problems. Stop by our booth to know more.

Categories: Universities and Educational Organizations; Unmanned Systems; Other **Robotics**

NCI Information Systems, Inc.

Website: www.nciinc.com

Contact(s): Teru Gilbert 11730 Plaza America Drive Reston, VA 20190 United States Email: tgilbert@nciinc.com

NCI, a leading provider of enterprise solutions to U.S. defense, intelligence, health and civilian government agencies. We have the expertise and proven track record to solve our customers' most important and complex mission challenges through technology and innovation – delivering cost-effective solutions and services in all areas. Coupled with a focus on strategic partnerships, NCI is committed to bringing commercial artificial intelligence innovation to missions of national importance.

Categories: Cyber Security; IT, Computing and Software; Logistics, Transportation, Supply and Spares; Manufacturing, Engineering and Test Equipment

Neya Systems

Contact(s): Kurt Bruck 555 Keystone Drive

Warrendale, PA 15086 United States Email: kurtb@neyasystems.com

Neya Systems, LLC, is a wholly owned subsidiary of Applied Research Associates and is a 50-person robotics and unmanned systems company in Warrendale (Pittsburgh), PA. Our expertise includes navigation and operations in unstructured natural environments, multirobot mission planning and collaboration, interoperability, and open architectures. Our employee base is a mix of skills and degree levels, with extensive experience in the development of real-world robotic systems.

Categories: Unmanned Systems

PacStar

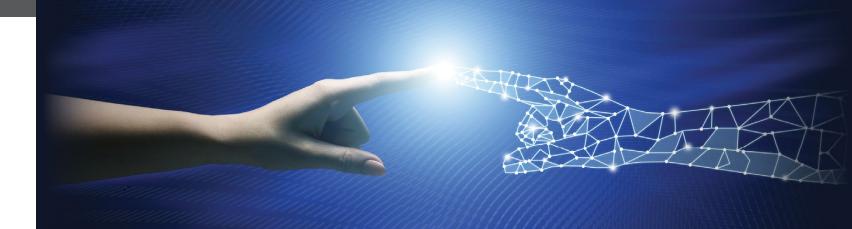
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Categories Communications Systems and Equipment; Cyber Security; Electronics, Subsystems and Components; Emergency Services; Government Organization; IT, Computing and Software; Military Organization, Military Vehicle Parts and Spares; Tactical Gear.



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Booth: 1113

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Photodon, LLC

Contact(s): Jolynn Paige 2682 Garfield Road N, Suite 21 Traverse City, MI 49686 United States Telephone: +1 (847) 377-1185

Email: jolynnp@photodon.com Website: www.photodon.com

Photodon specilizes in supplying custom-cut screen protectors for high impact situations, glare issues and privacy needs. We can cut any shape (up to 100" diagonal) and custom etch films for training or part identification. Custom helmet lining protection/padding also available. We manufacture custom hoods for monitors, drones and any other device used in the field. Our expertise includes screen protector installation, laminating services, one-on-one consulting and quick order turnaround.

Categories: Manufacturing, Engineering and Test Equipment; Noise, Shock and Vibration Control; Other screen protectors and privacy filters

Seven Technologies Group Ltd Booth: 1220

Contact(s): Rory Cameron 23-25 Crescent Business Park Lisburn, County Antrim BT28 2GN

United Kingdom

Telephone: 011 28926052000 Email: rory.cameron@7techgroup.com Website: www.7techgroup.com

Seven Technologies Group (7TG) is a UK defence manufacturer striving to pioneer the next generation of intelligence, surveillance, target acquisition and reconnaissance (ISTAR) systems. Using our 40 years industry experience and a lifetime of active Operator knowledge, 7TG look to deliver solutions that utilize the latest technology and optimise them for real-world and future battlefield environments. Our vision is to develop intelligent solutions for tomorrows operational requirement.

Categories: Optronics, Surveillance and Sighting Systems; Unmanned Systems

Booth: 1308

Shield Al

Contact(s): Gayle Lemmon 501 W. Broadway, Suite 500 San Diego, CA 92101 United States Email: gayle.lemmon@shield.ai Website: www.shield.ai

Shield AI is an artificial intelligence and robotics company based in San Diego, CA focused on creating cutting-edge products for the national security sector. Shield AI's launch product is an autonomous robot which enables human machine teaming for building clearance without a pilot/RF control, GPS reference, or any prior knowledge or programming. Shield AI's mission is to create artificially intelligent systems that protect service members and civilians.

Categories: IT, Computing and Software; Training and Simulation; Unmanned Aircraft Systems; Unmanned Systems

EXHIBITOR DESCRIPTIONS

Soar Technology, Inc. Booth: 1314

Contact(s): Lindsay Bayles 3600 Green Court, Suite 600 Ann Arbor, MI 48105 United States Email: lindsay.bayles@soartech.com

Website: www.soartech.com

At SoarTech, our focus is on the development of intelligent software that reasons like humans do, to automate complex tasks, simply human-machine interactions, or model human behavior. Our philosophy is three-fold: to be an augmentation to, not a replacement of, the human; to think "top-down, not bottom-up," and to be transparent so that decisions and processing communicated to the to the human and in human-like terms. We focus on SA, HRI, trustworthy autonomy, and control for autonomous systems

Categories: Cyber Security; Training and Simulation; Unmanned Systems

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