



# 2019 CYBER-AUGMENTED OPERATIONS TECHNICAL SYMPOSIUM

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Operationalizing the Technical Advantage

March 26 – 27 | Austin, TX | [NDIA.org/CAOSpring](https://ndia.org/CAOSpring)



## WHO WE ARE

The National Defense Industrial Association is the trusted leader in defense and national security associations. As a 501(c)(3) corporate and individual membership association, NDIA engages thoughtful and innovative leaders to exchange ideas, information, and capabilities that lead to the development of the best policies, practices, products, and technologies to ensure the safety and security of our nation. NDIA's membership embodies the full spectrum of corporate, government, academic, and individual stakeholders who form a vigorous, responsive, and collaborative community in support of defense and national security. NDIA is proud to celebrate 100 years in support of our warfighters and national security. The technology used by today's modern warfighter was unimaginable 100 years ago. In 1919, BG Benedict Crowell's vision of a collaborative team working at the intersection of science, industry, government and defense began what was to become the National Defense Industrial Association. For the past century, NDIA and its predecessor organizations have been at the heart of the mission by dedicating their time, expertise and energy to ensuring our warfighters have the best training, equipment and support. For more information visit **NDIA.org**

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# CYBER-AUGMENTED OPERATIONS DIVISION

## WHO WE ARE

The Cyber-Augmented Operations Division focuses on harnessing the power of cyber-related technologies (such as high-speed processing, agile spectrum electronics and information algorithms) to deliver speed and automation to create both tactical and operational advantages in military operations. CAO technologies will expand as innovators reveal the potential for cyberspace beyond support for intelligence and traditional military operations.

## LEADERSHIP AND COMMITTEES

**Lt Gen Robert Elder, USAF (Ret)**  
Division Chair

**Maj Gen David Senty, USAF (Ret)**  
Vice Chair

**Brig Gen Guy Walsh, USAF (Ret)**  
Vice Chair

## WI-FI

Network: UTguest

## SLI.DO

slido.com

Event code: CAO

## SURVEY AND PARTICIPANT LIST

You'll receive via email a survey and list of attendees (name and organization) after the conference. Please complete the survey, which helps make our event even more successful in the future.

## EVENT CONTACT

### General Event

**Reneé Despot**  
Manager, Meetings  
(703) 247-2599  
rdespot@ndia.org

### Agenda

**Daniel Lung**  
Program Coordinator, Program Development  
(703) 247-9476  
dlung@ndia.org

## PLANNING COMMITTEE

**Lt Gen Robert Elder, USAF (Ret)**

**Maj Gen David Senty, USAF (Ret)**

**Brig Gen Guy Walsh, USAF (Ret)**

## SPEAKER GIFTS

In lieu of speaker gifts, a donation is being made to the Fisher House Foundation.

## HARASSMENT STATEMENT

NDIA is committed to providing a professional environment free from physical, psychological and verbal harassment. NDIA will not tolerate harassment of any kind, including but not limited to harassment based on ethnicity, religion, disability, physical appearance, gender, or sexual orientation. This policy applies to all participants and attendees at NDIA conferences, meetings and events. Harassment includes offensive gestures and verbal comments, deliberate intimidation, stalking, following, inappropriate photography and recording, sustained disruption of talks or other events, inappropriate physical contact, and unwelcome attention. Participants requested to cease harassing behavior are expected to comply immediately, and failure will serve as grounds for revoking access to the NDIA event.

# SCHEDULE AT A GLANCE

## TUESDAY, MARCH 26

### Registration

Zlotnik Ballroom Foyer  
7:00 am – 4:45 pm

### Welcome Remarks & Keynote Speaker:

#### COL Stoney Trent, USA

Zlotnik Ballroom 4  
8:00 – 9:00 am

### Keynote Speaker: Robert Butler

Zlotnik Ballroom 4  
1:30 – 2:15 pm

### Networking Reception

Zlotnik Ballroom Foyer  
5:00 – 6:00 pm

## WEDNESDAY, MARCH 27

### Registration

Zlotnik Ballroom Foyer  
7:00 am – 3:45 pm

### Admin Remarks & Keynote Speaker: Steve Gray

Zlotnik Ballroom 4  
8:00 – 9:00 am

### Keynote Speaker: Syeed Mansur *Invited*

Zlotnik Ballroom 4  
12:30 – 1:15 pm

### Closing Remarks

Zlotnik Ballroom 4  
3:45 – 4:00 pm

# AGENDA

## TUESDAY, MARCH 26

7:00 am – 4:45 pm

### REGISTRATION

ZLOTNIK BALLROOM FOYER

7:00 – 8:00 am

### NETWORKING CONTINENTAL BREAKFAST

ZLOTNIK BALLROOM FOYER

8:00 – 8:15 am

### WELCOME REMARKS

ZLOTNIK BALLROOM 4

**Lt Gen Robert Elder, USAF (Ret)**

Chair, NDIA Cyber-Augmented Operations Division

8:15 – 9:00 am

### KEYNOTE SPEAKER

ZLOTNIK BALLROOM 4

**COL Stoney Trent, USA**

Chief of Operations, Joint Artificial Intelligence Center (JAIC)

9:00 – 10:00 am

### DATA ANALYTICS & ALGORITHMS PANEL

ZLOTNIK BALLROOM 4

**Brig Gen J.O. McFalls III, USAF (Ret)**

Senior Consultant, U.S. Cyber Command (J9)

*Moderator*

**COL Benjamin Ring, USA**

Chief, J9 Applied Research & Development Division, U.S. Cyber Command (USCYBERCOM)

**Dr. Katie Liszewski**

Data Scientist, Battelle Memorial Institute

**Keith Riser**

Team Lead, Identity Intelligence Team, C5ISR Center, Information & Intelligence Warfare Directorate, U.S. Army Combat Capabilities Development Center (CCDC)

10:00 – 10:30 am

### NETWORKING BREAK

ZLOTNIK BALLROOM FOYER

10:30 – 11:30 am

### ARTIFICIAL INTELLIGENCE PANEL

ZLOTNIK BALLROOM 4

**COL Stoney Trent, USA**

Chief of Operations, Joint Artificial Intelligence Center (JAIC)

*Moderator*

**Dr. Elisha Peterson**

Chief Scientist, Analytic Capabilities Group, Johns Hopkins University Applied Physics Laboratory (JHU-APL)

**Syed Mansur**

President and CEO, SENTRANA

**COL Benjamin Ring, USA**

Chief, J9 Applied Research & Development Division, U.S. Cyber Command (USCYBERCOM)

**Mark Ashford**

Data Manager Support, Air Force Agency for Modeling and Simulation, Huntington Ingalls Industries

11:30 am – 12:30 pm

## DECISION SUPPORT SYSTEMS PANEL

ZLOTNIK BALLROOM 4

### Lt Gen Robert Elder, USAF (Ret)

Chair, NDIA Cyber-Augmented Operations Division

*Moderator*

### Bryan Bartels

Chief, Future Ops, Joint Air Component Coordination Element for U.S. Air Force Global Strike Command (AFGSC) in coordination with U.S. Strategic Command (USSTRATCOM)

### Chris MacDonald

Global Lead, Analytics Center of Excellence, PTC

### Derrick Franceschini

Senior Scientist, Cole Engineering Services, Inc.

### Nathan Dawn

Manager, B-52 Weapon System Team & Hypersonic Weapons Requirements, U.S. Air Force Global Strike Command (AFGSC)

12:30 – 1:30 pm

## LUNCH & NETWORK PROTECTION PANEL

ZLOTNIK BALLROOMS 4, 5 & 6

### Dr. Greg Wettstein

Principal Engineer, IDfusion, LLC

*Moderator*

### John Grosen

Chief Information Officer, IDfusion, LLC

### James Cole

Director of Architecture & Engineering, Intel Corporation

### Albert Taglieri

Cadet, U.S. Air Force Academy

### Victor Lee

Cadet, U.S. Air Force Academy

1:30 – 2:15 pm

## KEYNOTE SPEAKER

ZLOTNIK BALLROOM 4

### Robert Butler

Senior Vice President, Critical Infrastructure Protection Operations, AECOM Management Services

2:15 – 3:15 pm

## VIRTUAL TRAINING SYSTEMS PANEL

ZLOTNIK BALLROOM 4

### Keenan Skelly

Vice President, Global Partnerships & Security Evangelist, Circadence Corporation

*Moderator*

### Dr. John Surdu

Senior Scientist, Cole Engineering Services, Inc.

### Dr. Omar Hasan

Chief Architect, Dignitas Technologies, LLC

### Maj Gen Howard Baker Sr., USAF (Ret)

Vice President, Worldwide Federal Aerospace and Defense, PTC

### Ambrose Kam

Chief Engineer/Fellow, Rotary & Mission Systems Cyber Innovation, Lockheed Martin Corporation

### Lt Col Warren Carroll, USAFR

Operations, Plans and Requirements Lead, U.S. Air Force Global Strike Command (AFGSC)

3:15 – 3:45 pm

## NETWORKING BREAK

ZLOTNIK BALLROOM FOYER



3:45 – 4:45 pm

## AGILE SPECTRUM APPLICATIONS PANEL

ZLOTNIK BALLROOM 4

### Lizy Paul

Director, Strategy & Business Development, Data Links & Communication Systems, Collins Aerospace  
*Moderator*

### Dorie Famalette

Deputy for Product Manager Waveforms, PEO C3T,  
U.S. Army

### John Wentworth

Lead Engineer for Product Manager Waveforms,  
PEO C3T, U.S. Army

### William Cave

President and CEO, Prediction Systems, Inc.

### Dr. Nancy Grady

Chief Data Scientist, National Security and Cyber  
Operations, SAIC

### Dr. Doug Thornton

Cyber Scientist, Battelle

5:00 – 6:00 pm

## NETWORKING RECEPTION

ZLOTNIK BALLROOM FOYER

Sponsored By Entrepreneurial Acceleration Program

## WEDNESDAY, MARCH 27

7:00 am – 3:45 pm

## REGISTRATION

ZLOTNIK BALLROOM FOYER

7:00 – 8:00 am

## NETWORKING CONTINENTAL BREAKFAST

ZLOTNIK BALLROOM FOYER

8:00 – 8:15 am

## ADMIN REMARKS

ZLOTNIK BALLROOM 4

### Lt Gen Robert Elder, USAF (Ret)

Chair, NDIA Cyber-Augmented Operations Division

8:15 – 9:00 am

## KEYNOTE SPEAKER

ZLOTNIK BALLROOM 4

### Steve Gray

CEO, Asteri Networks, LLC

9:00 – 10:00 am

## AUGMENTED REALITY PANEL

ZLOTNIK BALLROOM 4

### Jason Ingalls

Founder and CEO, Ingalls Information Security  
*Moderator*

### Seana Murray

Program Manager, Microsoft Corporation

### John Parsons

Business Development Executive for Americas,  
Augmented Reality, Aerospace & Defense Group, PTC

### Joshua Burns

Senior Simulations Engineer, Kansas City National Security  
Campus, Honeywell

### Brandi Pickett

Risk Management Consultant, Ingalls Information Security

10:00 – 10:30 am

## NETWORKING BREAK

ZLOTNIK BALLROOM FOYER

10:30 – 11:30 am

## PHYSICAL SYSTEM REPLICATION/DIGITAL TWIN PANEL

ZLOTNIK BALLROOM 4

**Lt Gen Robert Elder, USAF (Ret)**

Chair, NDIA Cyber-Augmented Operations Division

*Moderator*

**William Cave**

President and CEO, Prediction Systems, Inc.

**Parker Wiksell**

Cyber Scientist, Battelle

**Dr. John Kelly**

President, Model Software Corporation

11:30 am – 12:30 pm

## NETWORKING LUNCH

ZLOTNIK BALLROOMS 5 & 6

12:30 – 1:15 pm

## KEYNOTE SPEAKER

ZLOTNIK BALLROOM 4

**Syed Mansur**

President and CEO, SENTRANA

*Invited*

1:15 – 2:15 pm

## MACHINE LEARNING APPLICATIONS PANEL

ZLOTNIK BALLROOM 4

**Maj Gen David Senty, USAF (Ret)**

Vice Chair, NDIA Cyber-Augmented Operations Division

*Moderator*

**Chris MacDonald**

Global Lead, Analytics Center of Excellence, PTC

**Ambrose Kam**

Chief Engineer/Fellow, Rotary & Mission Systems Cyber Innovation, Lockheed Martin Corporation

**Eddie Green**

Director, Special Projects/Intelligence, OccamSec

2:15 – 2:45 pm

## NETWORKING BREAK

ZLOTNIK BALLROOM FOYER

2:45 – 3:45 pm

## AFWERX INITIATIVES & UPDATES PANEL

ZLOTNIK BALLROOM 4

**Col Alan Rock, USAF**

Reserve Advisor to the Commander, U.S. Air Force Global Strike Command (AFGSC)

*Moderator*

**Col Craig Leavitt, USAF (Ret)**

Strategist, National Security Air and Space Programs, National Defense University (NDU)

**Matthew Scott**

Austin Director, AFWERX

**Jeff Gilmore**

Data Scientist, Defense Innovation Unit (DIU)

**Lt Col Eric Frahm, USAF**

Director, Technology Integration, Air Education and Training Command (AETC)

3:45 – 4:00 pm

## CLOSING REMARKS

ZLOTNIK BALLROOM 4

**Lt Gen Robert Elder, USAF (Ret)**

Chair, NDIA Cyber-Augmented Operations Division

# BIOGRAPHIES



## COL STONEY TRENT, USA

*Chief of Operations*  
Joint Artificial Intelligence Center (JAIC)

Colonel Stoney Trent, Ph.D. is an Army Cyber Warfare Officer and Cognitive Engineer, currently serving as the Chief of Operations for the Joint Artificial Intelligence Center under the Department of Defense Chief Information Officer. Previously, he established and directed U.S. Cyber Command's Cyber Immersion Lab, which develops and assesses capabilities for the Cyber Mission Force. While assigned to the Army Staff (G-8), COL Trent served on the Battlespace Awareness Functional Capabilities Board and was responsible for evaluating Defense Intelligence Capabilities for the Joint Requirements Oversight Council. He has served as a Strategic Policy Research Fellow with the RAND Arroyo Center, and Current Operations Officer (J-33) in US Forces Korea. COL Trent is a former Assistant Professor in the Department of Behavioral Science and Leadership at

the United States Military Academy. As a military intelligence officer, he deployed twice to Iraq and once to Kosovo, serving as Interrogation Battalion Executive Officer, Military Intelligence Company Commander, and Infantry Battalion Intelligence Officer (S2). COL Trent began his military career as an Armor Officer in Fort Knox, KY. His awards and decorations include the Bronze Star and Defense Meritorious Service Medal. He is a graduate of the Army War College and former Cyber Fellow at the National Security Agency. Colonel Stoney Trent, Ph.D. is an Army Cyber Warfare Officer and Cognitive Engineer, currently serving as the Chief of Operations for the Joint Artificial Intelligence Center under the Department of Defense Chief Information Officer. Previously, he established and directed U.S. Cyber Command's Cyber Immersion Lab, which develops and assesses capabilities for the Cyber Mission Force. While assigned to the Army Staff (G-8), COL Trent served

on the Battlespace Awareness Functional Capabilities Board and was responsible for evaluating Defense Intelligence Capabilities for the Joint Requirements Oversight Council. He has served as a Strategic Policy Research Fellow with the RAND Arroyo Center, and Current Operations Officer (J-33) in US Forces Korea. COL Trent is a former Assistant Professor in the Department of Behavioral Science and Leadership at the United States Military Academy. As a military intelligence officer, he deployed twice to Iraq and once to Kosovo, serving as Interrogation Battalion Executive Officer, Military Intelligence Company Commander, and Infantry Battalion Intelligence Officer (S2). COL Trent began his military career as an Armor Officer in Fort Knox, KY. His awards and decorations include the Bronze Star and Defense Meritorious Service Medal. He is a graduate of the Army War College and former Cyber Fellow at the National Security Agency.



## STEVE GRAY

*CEO*  
Asteri Networks

Steve Gray's career has spanned many forms of entertainment. He spent his early days as a pioneer in the special effects industry with Robert

Abel & Associates, Rhythm & Hues, and Digital Domain. He then moved into video and online games at Square, working on games such as Final Fantasy and Parasite Eve. He founded and later sold Heavy Iron Studios. He was an Executive Producer

at Electronic Arts and most recently was Executive in Charge of Production for eight years at Tencent's Interactive Entertainment Group in China.

The NDIA has a policy of strict compliance with federal and state antitrust laws. The antitrust laws prohibit competitors from engaging in actions that could result in an unreasonable restraint of trade. Consequently, NDIA members must avoid discussing certain topics when they are together at formal association membership, board, committee, and other meetings and in informal contacts with other industry members: prices, fees, rates, profit margins, or other terms or conditions of sale (including allowances, credit terms, and warranties); allocation of markets or customers or division of territories; or refusals to deal with or boycotts of suppliers, customers or other third parties, or topics that may lead participants not to deal with a particular supplier, customer or third party.





## ROBERT BUTLER

*Senior Vice President, Critical Infrastructure Program Operations*  
AECOM Management Services

Bob Butler is the co-founder and managing director of Cyber Strategies, LLC. Previously, he served as the CSO for IO, a global data center service and product firm. He has consulted as a Special Government Expert to the Office of the Secretary of Defense, and Air Force Scientific Advisory Board. He also serves as a fellow at the Center for New American Security (CNAS) and is a member of the Texas State Cyber Security, Education and Economic Development Council. He is currently the Senior Vice President of Critical Infrastructure Protection Operations for AECOM, an \$18-billion, fully integrated infrastructure and support services firm with the ability to design, build, finance, and operate infrastructure assets globally. Mr. Butler serves as chief of operations for global corporate critical infrastructure protection campaign and leads strategy development for a \$500M campaign to provide integrated secure data delivery to critical infrastructure clients.

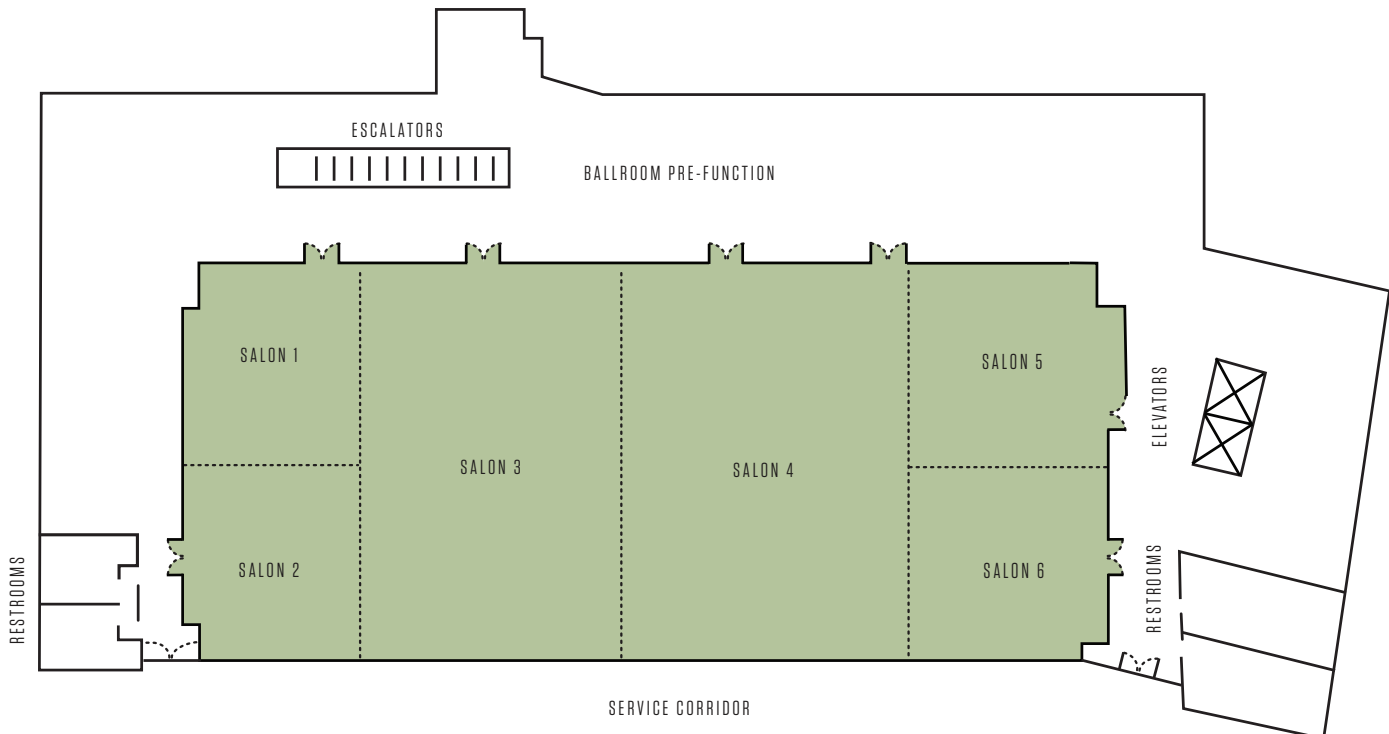
Prior to assuming his current roles, Mr. Butler served as the Deputy Assistant Secretary of Defense for Cyber and Space Policy. He was responsible for providing insightful policy advice and support to the Secretary of Defense and other senior Department of Defense (DOD) leaders by formulating, recommending, integrating, and implementing policies and strategies to improve United States Cyber and Space posture. This encompassed DoD policy relating to requirements, capability development, operations, declaratory policy, employment, and international cooperation or agreements.

Previously, Mr. Butler served as an Account Executive with Computer Sciences Corporation (CSC), managing Defense Intelligence business with Combatant Commands and Military Services. He managed approximately 200 employees at over ten separate customer locations in the United States, Germany and the United Kingdom. He served as chairman of corporate cyber technical working group coordinating cyber strategies across

commercial, international and federal sector market spaces. Mr. Butler is a former member of the Senior Executive Service, and recently was the Associate Director, Joint Information Operations Warfare Command (JIOWC), Lackland Air Force Base, Texas. In this position, he advised the JIOWC commander and US Strategic Command leadership on key information operations issues and opportunities for providing superior support to combatant command and Department of Defense plans and operations.

Additionally, Mr. Butler guided the development of JIOWC IO strategies and technologies to enhance mission support. Mr. Butler is a retired U. S. Air Force officer. From December 1979 to August 2005, he served in a variety of intelligence and communications-computer systems positions in the continental United States and Europe at the detachment, squadron, group, major command, unified command, Headquarters Air Force and Office of the Secretary of Defense levels.

## VENUE MAP



# TABLE TOP DESCRIPTIONS



## 5DT, INC.

5DT (Fifth Dimension Technologies) specializes in Machine Learning and Virtual Reality.

The focus of 5DT's Machine Learning Division ([www.5DT.ai](http://www.5DT.ai)) is machine vision. We have systems for the following:

- Facial Recognition
- Vehicle Type, Model and License Plate Recognition
- Mobile Phone Usage (talking & texting) Detection
- Seat Belts, Unauthorized Objects, Personal Protective Equipment, Number of Vehicle Occupants and Unauthorized Action Detection
- Operator Drowsiness Detection
- Gaze Angle and Head Pose Detection for Operators Viewing Screens or Scenes

We have experience with several hardware implementations. Our machine learning division has several US patents pending.

Our Virtual Reality Division ([www.5DT.com](http://www.5DT.com)) develops training simulators for Operator Training as well as for Technician (Maintainer) Training. Both our operator trainers and maintenance trainers offer camera views of the real world combined with virtual world scenery. 5DT also develops a range of Data Gloves.

5DT has been in business for more than 25 years. We have more than 200 simulators deployed worldwide. We have developed training simulators for more than 125 different vehicles, machines and aircraft from more than 35 manufacturers. We have offices in 4 countries.

We look forward to serving you with our Machine Learning and Virtual Reality solutions.

## Attivo NETWORKS® ATTIVO NETWORKS®

Attivo Networks®, the leader in deception technology, provides an active defense for early detection, forensics, and automated incident response to in-network cyberattacks. The Attivo ThreatDefend™ Deception Platform provides a comprehensive and customer-proven platform for proactive security and accurate threat detection within user networks, data centers, clouds, and a wide variety of specialized attack surfaces. The portfolio includes expansive network, endpoint, application, and data deceptions designed to efficiently misdirect and reveal attacks from all threat vectors. Advanced machine-learning makes preparation, deployment, and operations fast and simple to operate for organizations of all sizes. Comprehensive attack analysis and forensics provide actionable

alerts, and native integrations automate the blocking, quarantine, and threat hunting of attacks for accelerated incident response. The company has won over 50 awards for its technology innovation and leadership. For more information, visit [www.attivonetworks.com](http://www.attivonetworks.com).



## BOOZ ALLEN HAMILTON

We are a global firm of 24,225 diverse, passionate, and exceptional people driven to excel, do right, and realize positive change in everything we do.

We bring bold thinking and a desire to be the best in our work in consulting, analytics, digital solutions, engineering, and cyber, and with industries ranging from defense to health to energy to international development.

We celebrate and value diversity in all its forms; it's something we truly value as a multicultural community of problem solvers. We believe in corporate and individual citizenship that make our communities better places for all.

We have one guiding purpose – to empower people to change the world. Our founder, Edwin Booz said it best: “Start with character and fear not the future.” We bring a ferocious integrity to not only train our clients to tackle the problems they face today, but to help them change the status quo for tomorrow. Each day, we imagine, invent, and deliver new ways to better serve our employees, our clients, and the world.



## METOVA FEDERAL, LLC (CYBERCENTS)

Metova Federal, LLC is a privately held, Service Disabled Veteran Owned Small Business providing turn-key cyber operations solutions. Our CyberCENTS division designs and develops our Cyberoperations Enhanced Network and Training Simulators (CENTS®) product line used for preparing cyber defenders to detect and respond to malicious actors. CENTS provides a powerful, realistic, risk-free emulated environment for training, developing and testing response actions to routine, zero-day, and catastrophic events. CyberCENTS also develops curriculum/exercise plans for training, certifying, and exercising cyber mission forces. Our CENTS line is in use throughout the Department of Defense (DoD), Federal, State, commercial and educational institutions. Our CENTS

platform solutions provide key functional capabilities for the DoD's Persistent Cyber Training Environment (PCTE) prototype. CENTS is also integrated into the Air Force/Air National Guard as the Virtual Interconnected Training Environment (VITE) and the Navy as the Navy Cyber Operations Training Simulator (NCOTS) used to train their Cyber Mission Forces. Notably, we maintain an Air Force Authority to Operate under the Risk Management Framework and VITE is the only Air Force Cyber Simulator with a Simulation Certification (SIMCERT).



## PREDICTION SYSTEMS, INC.

Prediction Systems, Inc. (PSI) is an engineering company founded in 1974 specializing in analysis, design, and simulation of communication and control systems. PSI has performed over 100 projects for 50+ clients, spanning private industry, government and academic organizations, internationally as well as in the U.S.

PSI has built some of the world's largest simulations. Models represent dynamic entities, accompanied by extensive visualization using interactive 3D graphics. Designs are supported by large parametric analysis, nonlinear design optimization, and development of tailored planning tools for field operations.

PSI uses a Computer-Aided Design (CAD) paradigm, VisiSoft, to build

complex software on parallel processors. Developers using VisiSoft, interact with a graphical architecture environment using engineering drawings to design hierarchies of software modules.

PSI uses PC size Green Gene Machines containing over 100 processors. These can be interconnected to compete with huge racks of High Performance Computers. For more information, visit: [www.predictsys.com](http://www.predictsys.com), [www.VisiSoft.com](http://www.VisiSoft.com), [www.GreenGeneMachine.com](http://www.GreenGeneMachine.com).



## STEPHENSON TECHNOLOGIES CORPORATION (STC)

Stephenson Technologies Corporation (STC), is a 501(c)(3) Professional Services Research and Development enterprise focused on providing solutions to the Department of Defense (DoD), Department of Homeland Security (DHS), Intelligence Community (IC), and Federal markets. STC operates as a standalone corporation that is wholly owned by Louisiana State University (LSU).

STC's mission is to use science and engineering expertise to solve some of the toughest problems facing government and industry. STC collaborates with technical and scientific resources worldwide, to generate genuine innovation and create high value for our clients.

# THANK YOU TO OUR SPONSOR



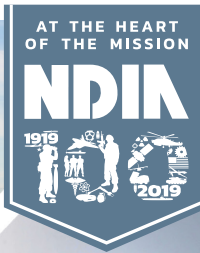
BRF's Entrepreneurial Accelerator Program (EAP) was founded in 2013 as a public-private partnership between BRF, the City of Shreveport and the Caddo Parish Commission to build an entrepreneurial ecosystem. EAP's long-term plan is to create jobs, expand the local and regional tax base, increase investment capital, and diversify and grow the economy in Caddo Parish and North Louisiana. It accomplishes these goals by providing entrepreneurs assistance in: creating or refining business plans and products, conducting financial analysis and modeling,

participating in market analysis of company attributes, conducting market and industry research, deal structuring/investment terms assistance, and locating potential investors.

In 2018, EAP launched a \$1.2 million expansion thanks to a \$600,000 grant from the U.S. Economic Development Administration, which has been matched by BRF. The newly formed North Louisiana Entrepreneurial Accelerator Program (NorLEAP) provides services across 21 North Louisiana parishes.

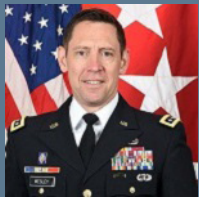
Since its inception, EAP has screened more than 750 startup and business ideas in various industries. In the last five years, EAP has provided services to more than 230 startup companies that created more than 130 new jobs with an annual payroll over of over \$7 million. EAP facilitated more than \$69 million in capital generated by its startup companies.

# REGISTER TODAY



## 2019 ROBOTICS CAPABILITIES CONFERENCE & EXHIBITION

### Multi-domain Operational Robotics



LTG Eric Wesley, USA  
U.S. Army Futures Command



Helen Greiner, SES  
Army HQE Robotics, Autonomy & AI

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# JPF

JPF SECURITIES LAW LLC

## LEGAL DEFENSE FOR THE DEFENSE INDUSTRY

### COMPLIANCE

- DFARS/FAR
- ITAR
- BATFE/NFA
- EAR/CCL

### TRANSACTIONS

- SECURITIES & CAPITAL MARKETS
- M&A
- CORPORATE FORMATION & GOVERNANCE
- INTERNATIONAL FINANCE

### LITIGATION

- COMPLEX MULTISTATE BUSINESS
- ARBITRATION
- MEDIATION

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[www.jpfsecurities.com](http://www.jpfsecurities.com)