NDIA
AT THE HEART OF THE MISSION

2022

CBRN DEFENSE

CONFERENCE & EXHIBITION

Competition, Climate Change, and CBRN Defense – Defining Challenges / Delivering Solutions

July 26 – 28 | Baltimore, MD | NDIA.org/CBRN

TABLE OF CONTENTS

NDIA

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. For more than 100 years, 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**

GET INVOLVED

Learn more about NDIA's Divisions and how to join one at **NDIA.org/Divisions**

LEADERSHIP

BG William King, USA (Ret)
CBRN Defense Division Chair

Charles Janney
Vice Chair

CHEMICAL, BIOLOGICAL, RADIOLOGICAL AND NUCLEAR (CBRN) DEFENSE

WHO WE ARE

The Chemical, Biological, Radiological, and Nuclear (CBRN) Defense Division promotes the exchange of information – technical and operational– related to defenses against weapons of mass destruction between the Department of Defense and other government agencies, industry, and academia. To do so, the Division addresses various functional areas: defensive measures, chemical weapons demilitarization, treaty compliance, industrial base issues, and domestic preparedness.

WELCOME TO THE 2022 CBRN DEFENSE CONFERENCE & EXHIBITION

Welcome to the 2022 CBRN Defense Conference and Exhibition where our focus is to "Competition, Climate Change, and CBRN Defense – Defining Challenges / Delivering Solutions".

The Department of Defense's new way of doing business is a one-team integrated and informed concept created through collaborating across the whole of government with industry. A team of teams knowledge-based concept is a top priority for the DoD. In this event, anticipate in-depth discussions on evolving threats, requisite future capabilities and capacities for response and pandemic preparedness, acquisition reform, and the future of warfighter training and readiness.

Military power is increasingly projected through access to data earlier and at all levels through software, computing, networking infrastructure, artificial intelligence, and autonomous systems. A common technology and data architecture that enables senior leaders to make timely, informed decisions and apply the critical required forces at the time and place of need is an enabler of mission success. Currently, commanders and staff lack an appropriate, modern tool with a catalogued data environment, ready-access to automated-recurring data pipelines, and reliable cloud-enabled AI-ready platforms that is necessary for an information advantage spanning NIPR, SIPR, and JWICS domains. The existing data environment is not well organized, catalogued, or structured to support scalable applications and cannot support analytics necessary to provide situational awareness and understanding and strategic to operational decision-making.

Accordingly, our leadership is fully committed to the ethos of learning and the acceleration and adoptation of applied knowledge, not solely through observations, but from our shared experiences of COVID-19 and the processes that improved readiness and achieved modernization goals. In fact, we have proven over this past year that we are resilient, adaptable, and can accelerate acquisition and contracting processes so that all current and future threats can be quickly defeated.

But more remains to be done. We must adapt our current training methods by incorporating current capabilities and future technologies to enhance the lethality, protection, and survivability of our combat systems. In the end, these efforts will assure our warfighters' domination in the future fight. In support of these efforts, the 2022 CBRN Defense Conference and Exhibition has a multifaceted and diverse agenda. You will hear of our leadership's approach to responding and preparing for pandemics as well as implementing necessary acquisition reforms, CBRN defense requirements in the context of current and future threats and vulnerabilities, emerging national and international CBRN defense technologies, medical and non-medical countermeasure solutions, advanced development and manufacturing needs, and promising research and development opportunities from our interagency partners. You will hear about what we are doing now to address current and future challenges.

This is another exciting year for the one-team CBRN defense community. By defining challenges and delivering solutions, we continue to shape and improve our products and capabilities against threats while adapting training methods and facilities with a steadfast leadership commitment to win. Hosted by NDIA's CBRN Defense Division and the Chemical Biological Defense Acquisition Initiatives Forum, this conference will also feature attendance from the Combatant Commands, the Services, Federal agencies, the Joint Program Executive Office for Chemical, Biological, Radiological, and Nuclear Defense, and select industry leaders.

We thank the exhibitors and sponsors of this event for having provided the support necessary to create a quality experience for all participants. We appreciate their partnership and urge you to learn more about organizational capabilities. Please enjoy the 2022 CBRN Defense Conference and Exhibition, bring your questions, suggestions, and innovative ideas, and make time to check out the exhibition hall and poster sessions. I look forward to speaking with you.

William E. King IV
Brigadier General, USA (Ret)
CBRN Defense Division Chair, NDIA

SCHEDULE AT A GLANCE

TUESDAY, JULY 26

Registration
Charles Street Lobby
12:00 – 5:00 pm

WEDNESDAY, JULY 27

Networking Breakfast
3rd Floor Foyer
8:00 – 9:00 am

General Session
Meeting Room 307 – 309
9:00 am - 4:30 pm

Exhibit Hall and Poster Sessions
Exhibit Hall A
9:00 am – 3:45 pm

Networking Lunch
Exhibit Hall A
11:55 am – 12:55 pm

Networking Reception
Exhibit Hall A
4:30 – 6:00 pm

THURSDAY, JULY 28

Networking Breakfast
3rd Floor Foyer
8:00 – 9:00 am

General Session
Meeting Room 307 – 309
9:00 am – 4:50 pm

Exhibit Hall and Poster Sessions
Exhibit Hall A
9:00 am – 3:45 pm

Networking Lunch
Exhibit Hall A
1:15 – 2:15 pm

EVENT INFORMATION

LOCATION

Baltimore Convention Center
1 West Pratt Street
Baltimore, MD 21201

ATTIRE

Civilian: Business
Military: Uniform of the Day

SURVEY AND PARTICIPANT LIST

You will receive via email a survey and list of participants (name and organization) after the conference. Please complete the survey to make our event even more successful in the future.

EVENT CONTACT

Krystal Heard
Meeting Manager
(703) 247-2558
kheard@NDIA.org

Carizza Gutierrez
Program Manager, Divisions
(703) 247-2599
cgutierrez@NDIA.org

Abby Abdala
Associate Director,
Exhibits & Sponsorships
(703) 247-9461
aabdala@NDIA.org

PLANNING COMMITTEE

BG William King, USA (Ret)
CBRN Defense Division Chair, NDIA
Booz Allen Hamilton, Inc.

Charles Janney
SciTech Services, Inc.
CBRN Defense Division Vice Chair, NDIA

COL Armando "Mandy" Lopez, Jr., USA (Ret)
CBRN Defense Division Chair Emeritus, NDIA
Tex-Shield, Inc.

COL Ronald Fizer, USA (Ret)
LMI

CSM Kenneth Graham, USA (Ret)
ANSER

COL Thamar Main, USA (Ret)
ARServices

COL Jay Reckard, USA (Ret)
Teledyne FLIR

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.

EVENT CODE OF CONDUCT

NDIA's Event Code of Conduct applies to all National Defense Industrial Association (NDIA), National Training & Simulation Association (NTSA), Emerging Technologies Institute (ETI) and Women In Defense (WID) meeting-related events, whether in person at public or private facilities, online, or during virtual events. NDIA, NTSA, ETI and WID are committed to providing a productive and welcoming environment for all participants. All participants are expected to abide by this code as well as NDIA's ethical principles and practices. Visit NDIA.org/CodeOfConduct to review the full policy.

ANTI-TRUST STATEMENT

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.

REAL-TIME Q&A

slido

Sli.do is an audience engagement platform that allows user to crowd-source top questions to drive meaningful conversations and increase crowd participation. Participants can up-cote the questions they would most like to hear discussed. Simply tap the thumbs-up button to up-vote a question. Top questions are displayed for the moderator and speaker to answer. Ask your question in the general session by going to slid.do!

Event code: CBRN22

CBRN MOBILE APP

Download the CBRN Mobile app for the most up-to-date information by visiting NDIA.org/CBRN22/Mobile-App or scanning the QR code to the left.

Sponsored by

Arbill

Authorized Distributor 3M | SCOTT Fire & Safety

AGENDA

TUESDAY, JULY 26

12:00 – 5:00 pm

REGISTRATION
CHARLES STREET LOBBY

WEDNESDAY, JULY 27

8:00 am – 6:00 pm

REGISTRATION
CHARLES STREET LOBBY

8:00 – 9:00 am

NETWORKING BREAKFAST
3RD FLOOR FOYER

9:00 am – 6:00 pm

EXHIBIT HALL AND POSTER SESSIONS OPEN
EXHIBIT HALL A

9:00 – 9:10 am

WELCOME AND OPENING REMARKS
MEETING ROOM 307-309

BG William King, USA (Ret)
Principal/Director & Senior Fellow, Booz Allen Hamilton, Inc.
CBRN Defense Division Chair, NDIA

The Hon. David L. Norquist
President & CEO, NDIA

9:10 – 9:55 am

KEYNOTE ADDRESS

MEETING ROOM 307-309

VADM Collin Green, USN
Deputy Commander, USSOCOM

9:55 – 10:25 am

NETWORKING BREAK

EXHIBIT HALL A

10:25 – 11:25 am

SERVICE CBRN STRATEGIES AND PRIORITIES

MEETING ROOM 307-309

COL Thamar Main, USA (Ret)
Senior Manager, Chemical & Biological Technologies Support, ARServices
Moderator

COL James Harwell, USA
Deputy Division Chief, Joint Staff J8, JRO-CBRND, U.S. Army

COL Scott Gould, USA
Division Chief, Full Dimension Protection Division, Department of the Army Headquarters

Jennifer Evans
Technical Advisor for Chemical, Biological, Radiological & Nuclear (CBRN) Defense Modernization, Department of the Air Force Headquarters

11:25 – 11:55 am

THE HONORARY WILLIAM C. BAUGH CBRN DEFENSE EXCELLENCE AWARD

MEETING ROOM 307-309

BG William King, USA (Ret)
Principal/Director & Senior Fellow, Booz Allen Hamilton, Inc.
CBRN Defense Division Chair, NDIA

CSM Kenneth Graham, USA (Ret)
Senior Program Analyst, ANSER

The Hon. David L. Norquist
President & CEO, NDIA

Carmen Spencer
Board of Directors, Analytics Services (ANSER)
Awardee

11:55 am – 12:55 pm

NETWORKING LUNCH

EXHIBIT HALL A

12:55 – 1:55 pm

COCOM PERSPECTIVES ON CBRN CHALLENGES

MEETING ROOM 307-309

COL Ron Fizer, USA (Ret)
Fellow & Principal Analyst, LMI
Moderator

Lt Gen A.C. Roper, USA
Deputy Commander, USNORTHCOM

Sean Hankard
Deputy Director J10, USSOCOM

1:55 – 2:55 pm

FEDERAL PARTNERS CWMD/CBRN STRATEGIES AND PRIORITIES

MEETING ROOM 307-309

Charles Janney
Vice President, Business Development, SciTech Services, Inc.
CBRN Defense Division Vice Chair, NDIA
Moderator

Ian Watson
Deputy Assistant Secretary of Defense for Chemical & Biological Defense (DASD(CBD)), Office of the Under Secretary of Defense A&S

Dr. Chris Hassell
Senior Science Advisor, U.S. Department of Health & Human Services

Dr. Joel Rynes
Deputy Assistant Secretary, Office of the Assistant Secretary for Preparedness & Response, Department of Homeland Security

2:55 – 3:25 pm

NETWORKING BREAK

EXHIBIT HALL A

3:25 – 4:25 pm

FUTURE CBRN OPERATIONS IN AN AI AND AR/VR ENHANCED BATTLEFIELD

MEETING ROOM 307-309

COL Jay Reckard, USA (Ret)
Director, Business Development, Unmanned & Integrated Solutions, Teledyne FLIR
Moderator

Dr. Jeremy Walker
Director, Science & Technology, Teledyne FLIR Detection

Kathryn Raymond
Science & Technology Manager, DTRA R&D

Dr. Revell Phillips
Science & Technology Manager, DTRA

COL Christopher Cox, USA
Director, Army Futures Command, National Capital Region

4:25 – 4:30 pm

CLOSING REMARKS

MEETING ROOM 307-309

BG William King, USA (Ret)
Principal/Director & Senior Fellow, Booz Allen Hamilton, Inc.
CBRN Defense Division Chair, NDIA

4:30 – 6:00 pm

NETWORKING RECEPTION

EXHIBIT HALL A

THURSDAY, JULY 28

8:00 am – 5:00 pm

REGISTRATION

CHARLES STREET LOBBY

8:00 – 9:00 am

NETWORKING BREAKFAST

3RD FLOOR FOYER

9:00 am – 3:45 pm

EXHIBIT HALL AND POSTER SESSIONS OPEN

EXHIBIT HALL A

9:00 – 9:05 am

OPENING REMARKS

MEETING ROOM 307-309

BG William King, USA (Ret)
Principal/Director & Senior Fellow, Booz Allen Hamilton, Inc.
CBRN Defense Division Chair, NDIA

9:05 – 9:50 am

KEYNOTE ADRESS

MEETING ROOM 307-309

The Hon. Deborah Rosenblum
Assistant Secretary of Defense for Nuclear, Chemical, & Biological Defense Programs, Performing the Duties of Assistant Secretary of Defense for Industrial Base Policy, Office of the Under Secretary of Defense for Acquisition & Sustainment

9:50 – 10:50 am

EMERGING SCIENCE AND TECHNOLOGY TO COUNTER CBRN THREATS

MEETING ROOM 307-309

COL Thamar Main, USA, (Ret)
Senior Manager, Chemical & Biological Technologies Support, ARServices
Moderator

Dr. Eric Moore
Director, U.S. Army Combat Capabilities Development Command, Chemical Biological Center

Dr. Kerri Dugan
Office Director, Biological Technologies Office, DARPA

Dr. Richard Schoske
Chief Diagnostics & Detection Division, DTRA

10:50 – 11:20 am

NETWORKING BREAK

EXHIBIT HALL A

11:20 am – 12:00 pm

JPEO ADVANCE DEVELOPMENT PROGRAMS AND PRIORITIES

MEETING ROOM 307-309

Darryl Colvin
Joint Program Executive Officer, Joint Program Executive Office for Chemical, Biological, Radiological & Nuclear Defense

12:00 – 1:00 pm

INDUSTRY'S PERSPECTIVE ON DRIVING CHANGE IN CBRN OPERATIONS FOR THE FUTURE

MEETING ROOM 307-309

COL Jay Reckard, USA (Ret)
Director, Business Development Army programs, Unmanned Systems & Integration Solutions, Teledyne FLIR
Moderator

Dr. David Cullin
Vice President, Technology & Product Management, Teledyne FLIR Defense

COL David Moore, USA (Ret)
President, SciTech Services, Inc.

Jay McCargo
President & CEO, AR Services

1:00 – 1:15 pm

JOSEPH D. WIENAND AWARD

MEETING ROOM 307-309

BG William King, USA (Ret)
Principal/Director & Senior Fellow, Booz Allen Hamilton, Inc.
CBRN Defense Division Chair, NDIA

CSM Kenneth Graham, USA (Ret)
Senior Program Analyst, ANSER

Dr. Kemper Talley
Research Scientist, Teledyne FLIR
Awardee

1:15 – 2:15 pm

NETWORKING LUNCH

EXHIBIT HALL A

2:15 – 3:15 pm

MEDICAL PRODUCT DEVELOPMENT TO ADDRESS CBRN AND PUBLIC HEALTH THREATS

MEETING ROOM 307-309

COL Ron Fizer, USA (Ret)
Fellow & Principal Analyst, LMI
Moderator

COL Matthew Clark, USA
Joint Project Manager, Chemical, Biological, Radiological & Nuclear (CBRN) Medical

Bruce Goodwin
Acting Joint Project Lead, Chemical, Biological, Radiological & Nuclear Defense (CBRND) Enabling Biotechnologies

COL Andrew Kim, USA
Deputy Commander, U.S. Army Medical Research & Development Command & Fort Detrick

Dr. Kevin Wingerd
Chief technology Officer, Joint Program Manager, Chemical, Biological, Radiological & Nuclear (CBRN) Medical

3:15 – 3:45 pm

NETWORKING BREAK

EXHIBIT HALL A

3:45 – 4:45 pm

DEVELOPING PHYSICAL CAPABILITIES TO ADDRESS CBRN THREATS

MEETING ROOM 307-309

CSM Kenneth Graham, USA (Ret)
Senior Program Analyst, ANSER
Moderator

COL Robert Carter, USA
Joint Project Manager, Chemical, Biological, Radiological & Nuclear (CBRN) Sensors

Deborah Olson
Joint Project Manager, Chemical, Biological, Radiological & Nuclear (CBRN) Protection

Michael Poe
Joint Project Manager, Chemical, Biological, Radiological & Nuclear (CBRN) Special Operations Forces

Paul Gietka
Joint Project Lead, Chemical, Biological, Radiological & Nuclear (CBRN) Integration

4:45 – 4:50 pm

CLOSING REMARKS

MEETING ROOM 307-309

BG William King, USA (Ret)
Principal/Director & Senior Fellow, Booz Allen Hamilton, Inc.
CBRN Defense Division Chair, NDIA

THANK YOU TO OUR SPONSORS

Arbill

Authorized Distributor 3M | SCOTT Fire & Safety

MOBILE APP SPONSOR

Since 1945, Arbill is a leader in workplace safety by offering safety products, safety programs, safety technology and EH&S Managed Services to its customers. Arbill is one of the largest women-owned safety companies in the USA. Arbill provides world-class value with a culture rooted in safety to government service workers and industry employees. Arbill manufactures products under its Truline brand and is a leading supplier of Scott Safety products that protect Chemical, Biological, Radiological and Nuclear Defense Service Workers with 3M™ Scott™ products including the AV-3000 SureSeal, featuring top-down convertibility for use as an APR or PAPR in a CBRN environment, NFPA SCBA's with CBRN approval and the X3-21 Pro SCBA, a non-firefighting CBRN-certified respirator for tactical and technical needs of federal response agencies. With safety as our only focus, we make life safer every day.

BATTELLE
It can be done

UVC SANITIZING CHARGING STATION SPONSOR

For over 70 years, government agencies and industry have trusted Battelle to solve their most complex chemical and biological defense challenges and to provide revolutionary leap-ahead technologies modernizing CBRN capabilities for the Joint Force. We bolster this expertise with operational medicine research and development, delivering tactically relevant solutions to enable readiness and protect the health of U.S. and Allied forces.

CWMD Countering Weapons of Mass Destruction CONSORTIUM

REGISTRATION & LANYARD SPONSOR

The Countering Weapons of Mass Destruction (CWMD) Consortium is a well-established community of industry, academia and government focused on rapid prototyping and maturing countering WMD efforts and CBRNE hazard awareness. Through an Other Transaction Agreement with the JPEO-CBRND (Joint Program Executive Office for Chemical, Biological, Radiological and Nuclear Defense), the CWMD Consortium is accomplishing the counter WMD related prototyping needs of any federal agency.

The CWMD scope spans development of PPE, detection systems, sensors, other protection needs, and situational awareness. These address consequence management/hazard mitigation; threats/vulnerabilities awareness and counter-proliferation technologies/capabilities; arms control technologies; experimentation of emerging technologies and CBRNE technologies to deliver capabilities to the warfighter.

LMI

WEDNESDAY NETWORKING RECEPTION SPONSOR

LMI is a consultancy dedicated to powering a future-ready, high-performing government, drawing from expertise in digital and analytic solutions, logistics, and management advisory services. We deliver integrated capabilities that incorporate emerging technologies and are tailored to customers' unique mission needs, backed by objective research and data analysis. Founded in 1961 to help the Department of Defense resolve complex logistics management challenges, LMI continues to enable growth and transformation, enhance operational readiness and resiliency, and ensure mission success for federal civilian and defense agencies.

KEYNOTE SPEAKERS BIOGRAPHIES

VADM COLLIN GREEN, USN

Deputy Commander
USSOCOM

Vice Adm. Collin Green graduated from the U.S. Naval Academy in 1986 and Basic Underwater Demolition/SEAL Class 149 in 1988. Green holds a master's degree in International Affairs from Catholic University of America, and is a distinguished graduate of the Naval War College with a master's degree in National Security and Strategic Studies.

Green participated in special operations in Europe, Africa and Asia. His tours in Naval Special Warfare included assignments at SEAL Teams 2, 3 and 5. He served as operations officer, Naval Special Warfare Task Group U.S. 6th Fleet; executive officer, Naval Special Warfare Unit 10; and assistant chief of staff for Plans, Policy and Operations, Naval Special Warfare Command.

Other assignments include naval special warfare officer, Navy Operations and Plans Branch in the Office of the Chief of Naval Operations; naval special warfare officer, U.S. Naval Forces Central Command/U.S. 5th Fleet; U.S. Central Command branch chief, J3 deputy directorate for U.S. Special Operations, Joint Staff; director of operations, NATO Special Operations Component Command/Special Operations Joint Task Force-Afghanistan; executive officer, Supreme Allied Commander Europe/Commander, U.S. European Command, and as chief of staff, U.S. Special Operations Command. He currently serves as deputy commander, U.S. Special Operations Command.

His command tours include SEAL Team 3, where he deployed as commander, Naval Special Warfare Task Group – Iraq in support of Operation Iraqi Freedom; Naval Special Warfare Unit 3; Naval Special Warfare Group 1, U.S. Special Operations Command South, and Commander, Naval Special Warfare Command.

THE HON. DEB ROSENBLUM

Assistant Secretary of Defense for Nuclear, Chemical, and Biological Defense Programs (ASD(NCB)) Performing the Duties of Assistant Secretary of Defense for Industrial Base Policy, Office of the Under Secretary of Defense for Acquisition and Sustainment

The Hon. Deborah G. Rosenblum currently serves as the Assistant Secretary of Defense for Nuclear, Chemical, and Biological Defense Programs ASD (NCB). In this capacity, she is the principle advisor to the Secretary, Deputy Secretary and Under Secretary of Defense for Acquisition and Sustainment (A&S) on nuclear energy, nuclear weapons and chemical biological defense.

Prior to her position as Assistant Secretary of Defense, she was the Executive Vice President at the Nuclear Threat Initiative (NTI). She was part of NTI's executive leadership team and helped to oversee the organization's operations, development and programs with an annual operating budget of $15-20 million.

At NTI, Rosenblum led the successful development of Connecting Organizations for Regional Disease Surveillance (CORDS) as an independent, self-sustaining global network of regional disease surveillance groups. She serves on the board of CORDS, where she promotes good governance in her role as finance chair. Rosenblum also helps manage NTI's work on security issues related to China and travelled there regularly to meet with government officials and non-governmental organizations. In addition, she leads NTI's Middle Eastern partnerships, with a focus primarily in the Levant region, where she has travelled regularly for programmatic work as well as speaking engagements on behalf of NTI. Rosenblum has served on the board of the Herbert Scoville Jr. Peace Fellowship since 2012. From 2017 to 2018, Rosenblum served as an N Square fellow and focused on driving innovation in the nuclear field. She currently serves as an advisor to the fellowship program.

Rosenblum was vice president of The Cohen Group, an international consulting firm, for seven years. Rosenblum served for 12 years in senior positions with the U.S. Department of Defense, in the areas of homeland defense, peacekeeping operations and support, nuclear forces, and counter-proliferation policy. While at the DoD, Rosenblum represented the U.S. as a negotiator with the Democratic People's Republic of Korea on multi-year bilateral negotiations around its nuclear program. Rosenblum holds a master's degree from Columbia University's School of International and Public Affairs and is a Phi Beta Kappa graduate with a bachelor's degree from Middlebury College.

AWARD WINNER BIOGRAPHIES

The Honorary William C. Baugh CBRN Defense Excellence Award Winner

CARMEN J. SPENCER

Former President & Chief Executive Officer
ANSER

Mr. Carmen J. Spencer is the President and CEO of ANSER. His leadership experience and commitment to national defense began with a 28-year career as an Army Officer with assignments in the Office of the Secretary of Defense and Department of the Army Headquarters; as Commander, U.S. Army Chemical Demilitarization Activity on Johnston Atoll in the Pacific and at the Pueblo Chemical Weapons Depot in Colorado. Spencer has also served as Director of the Chemical and Biological Defense Directorate at the Defense Threat Reduction Agency and as Deputy Assistant Secretary of the Army for Acquisition, Logistics, and Technology.

Spencer's private sector accomplishments include eight years at Bechtel National, Inc., serving as Vice President of Marketing and Business Development and also as President and General Manager of Bechtel's Kwajalein Range Services, LLC. Prior to joining ANSER, Spencer was the Joint Program Executive Officer for Chemical and Biological Defense (JPEO-CBD) providing acquisition management and professional leadership on complex matters related to joint service chemical and biological defense acquisition programs.

Spencer planned, directed, managed, and coordinated the JPEO-CBD's mission and was responsible for the development, acquisition, distribution, and deployment of highly specialized and dynamic joint chemical and biological defense devices, as well as medical diagnostic systems, drugs, and vaccines. He provided management oversight of the Chemical Demilitarization Program, an Acquisition Category 1-D program, for the Assistant Secretary of the Army for Acquisition, Logistics, and Technology/Army Acquisition Executive. Spencer provided executive-level policy and oversight of the Chemical Demilitarization Program projects and was responsible for representing the Chemical Demilitarization Program to Congress.

Spencer received a BS degree from Chaminade University in 1976 and has received certificates and training in Six Sigma and program management. His military honors and awards include the Defense Superior Service Medal, Legion of Merit with Oak Leaf Cluster, and Meritorious Service with Five Oak Leaf Clusters.

The Joseph D. Weinand NDIA CBRN Division Stem Excellence Award Winner

DR. KEMPER TALLEY

Theoretical Physicist and Principal Investigator
Teledyne FLIR

Dr. Kemper Talley is a theoretical physicist and principal investigator at Teledyne FLIR. His work primarily focuses on the development of algorithms, sensors, and applications for CBRN defense. He has led algorithm development and design to enhance the capabilities of numerous radiation detection products such as the IdentiFINDER R425, a handheld radiation detector deployed around the world and most recently by the IAEA in Chernobyl following Russia's invasion of Ukraine. Talley leads augmented reality developments and efforts at Teledyne FLIR where his team develops novel CBRN battlefield situational awareness applications to enable warfighters to 'see' unseen threats using AR technology such as Heads Up Displays for radiation visualization, ChemBio threat mapping, and reconnaissance missions. His work has resulted in numerous patents, publications, and new technology solutions that advance the mission of reducing harm and lethal risk posed by CBRN threats.

Talley's lifelong passion for learning and science began in high school at the South Carolina Governor's School for Science and Mathematics (GSSM) and in summer science research programs at Clemson University. His passion for STEM education also started at GSSM in outreach programs serving middle school students across SC. Talley devotes time giving back to GSSM by serving on the alumni board, teaching short summer courses to young students, and speaking to students about scientific research and advancement.

As a physics undergraduate and Goldwater Scholar at Clemson University, Talley published five first author papers in biophysics, focusing on protein-protein interactions. He transitioned to nuclear physics and engineering for his PhD at the Bredesen Center at the University of Tennessee, Knoxville as a National Science Foundation Graduate Research Fellow and Energy Science and Engineering Fellow. Over the course of his academic career, Talley participated in numerous research groups at a variety of universities in topics ranging from parallel computing to atomic physics. His PhD dissertation topic focused on Beta-delayed neutron emission and fission product yields. After completing his PhD in Energy Science and Engineering with a concentration in Nuclear Science and a brief postdoc, Talley left academia to pursue algorithm development and novel radiation detector development at FLIR Systems.

POSTER SUMMARIES

Using AI and ML Techniques to Screen Sequence Data and Individual Cells for Signatures of Engineering

Dr. Aaron Adler
Senior Scientist, Raytheon BBN

As part of our IARPA-sponsored GUARDIAN project, we developed and integrated tools that use a variety of artificial intelligence (AI) and machine learning (ML) techniques to screen sequence data and individual cells for signatures of engineering.

Blue Halo's sUAS-integrated CBRN Capabilities

Mr. Raymond Walker
Senior Program Manager, BlueHalo

Blue Halo offers the warfighter and interagency partners transformational, proven, and cost-effective capabilities that can be readily employed in planning, reconnaissance, sensing, and sensitive site assessment missions across the spectrum of CBRN matters. Our fleet of sUAS drones offers advanced protection, is mobile-based, capable of self-launch/recovery, and is easily integrated into common operational decision support systems currently fielded. All of our sUAS is 100% built and maintained using components manufactured in the USA, ruggedized for harsh environments, and use current state ATAK capabilities. More features and capabilities are available: drone swarms, hyper-localized weather forecasting, AI/ML enhancements to mapping and common operational picture, integration into C5ISR systems, and more.

Radiological Detection using Autonomous Drones

Mr. Perry Franklin
Software Engineer – Robotics, Charles River Analytics

We present an autonomous drone capability equipped with a directional radiation sensor to rapidly locate radiation sources in complex environments to support response and mitigation efforts.

Agent/Simulant correspondence in the evaluation of longwave infrared standoff sensors against chemical warfare agent threats

Dr. Willaim Lawrence
Technical Staff, MIT LINCOLN Laboratory

This presentation reports our work to characterize the performance of standoff sensors to detect and identify chemical warfare agents (CWAs). The performance of the sensors is characterized in chamber tests against sulfur mustard and G-Series agents and in outdoor release tests using simulants. The chamber tests demonstrate the sensor response to refereed agent concentrations against a large area calibrated blackbody source. These measurements are used for a quantitative evaluation of relative sensor performance. The outdoor releases are used to characterize the instrument performance against transient events subject to real meteorological conditions and real thermal backgrounds. The variability of the of the outdoor release events creates challenges for the performance comparison of the standoff sensors. To mitigate these challenges, we used a range of referee sensor systems to characterize each release event.

Augmented Reality Training for handheld CBRN equipment

Mr. Peter Anderson
Principal Engineer, MRIGlobal

MRIGlobal, in partnership with ForgeFX Simulations, developed a simulation-based augmented reality (AR) training tool for warfighters to aid in chemical, biological, radiological, and nuclear (CBRN) device familiarization. This tool utilizes a Microsoft Hololens 2 platform to provide a user with interactive device training that can be used anytime, anywhere providing a flexible option to typical user learning. The use of AR enables users to learn new procedures, assess their skills, troubleshoot issues, and enhance refresher training by mixing hands-on device training with a virtualized environment.

CAMMRAD Medic: An Artificial Intelligent enabled Wearable Augmented Reality E-Trainer for Combat Medic Prolonged Care of CBRN Injuries

Dr. Jayfus Doswell
President/CEO, Juxtopia

COVID-19 and the Russian Ukrainian war forecast potential CBRN weapon use in future wars. Russia places great emphasis on CBRN threats, and there is less focus on the CBRN threat in both civil defense and military settings. Hence, combat medics require immediate & advanced training to address CBRN injuries. To address these problems, the DOD funded Juxtopia CAMMRAD Medic platform demonstrates the ability to apply AI enabled wearable AR e-training to improve training of medics in controlled/austere training environments that provide prolonged care to injuries due to CBRN weapons.

Automated Heavy Disinfection Technology for Advanced Protection in Indoor Spaces

Mr Christian DeBlasio
CEO, Purfresh Clean

Purfresh Clean's science-based and backed deep cleaning technology, with level control, timed application, electronic sensing and record keeping, treats objects, surfaces, and air for advanced health protection in indoor spaces. The automated mobile machine destroys bacteria, germs, and viruses, remediates mold, and removes odor from indoor spaces. The patented ozone technology uses dynamic and remote auto control alongside live reporting sensors to manage correct O3 levels. It disinfects hard to reach spaces, objects, surfaces and air via heavy airflow without human labor. 100% of the O3 produced converts back to O2 within 30 minutes after the cleaning treatment ends. No residual harsh chemicals remain in the cleaned space. O3 is scientifically proven to bond with and break down the molecular structures of viruses, including breaking down enveloped viruses, bacteria and mold.

EXHIBITORS BY COMPANY

EXHIBIT HALL MAP

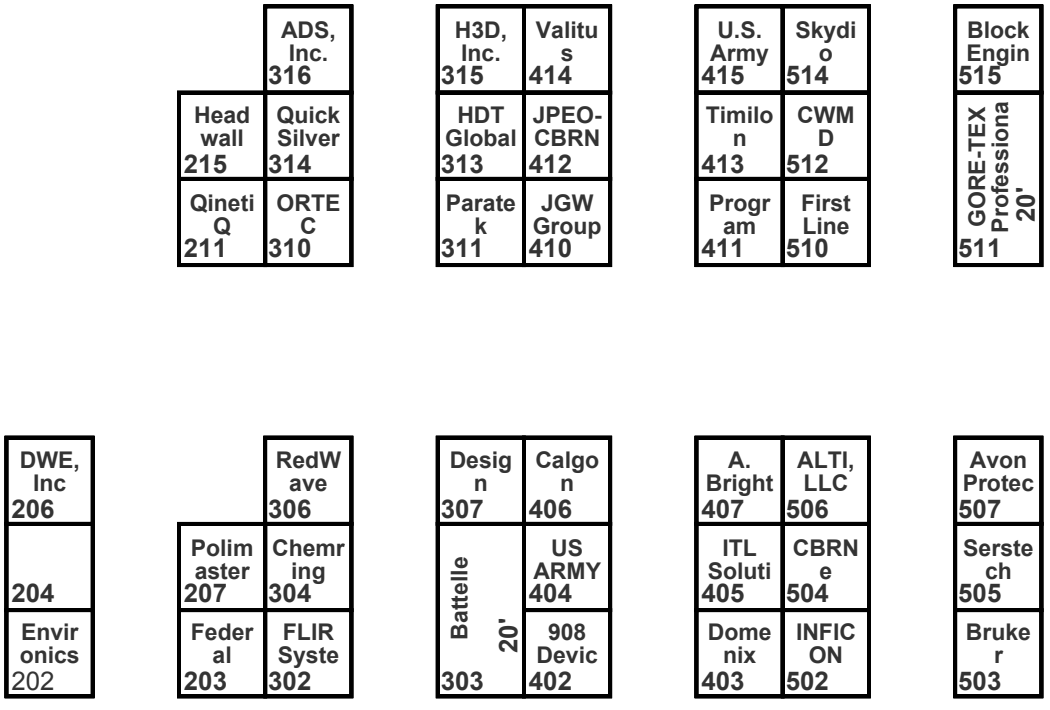

EXHIBIT HALL HOURS

WEDNESDAY, JULY 27
9:00 am – 6:00 pm

THURSDAY, JULY 28
9:00 am – 3:45 pm

EXHIBITOR DESCRIPTIONS

908 DEVICES — BOOTH 402

908 Devices is democratizing laboratory mass spectrometry with simple handheld and desktop devices. These devices are used at the point-of-need to interrogate unknown and invisible materials and provide quick, actionable answers to address some of the most critical problems in life sciences research, bioprocessing, pharma / biopharma, forensics and adjacent markets.

A. BRIGHT IDEA ADVERTISING & PR — BOOTH 407

As an award-winning, woman-owned certified small business, A. Bright Idea is a full-service advertising and public relations agency specializing in strategic communications, graphic design, website design, social/digital, media production and placement. We deliver solid results fueled by imagination and insight. With over two decades of CBRNE-related experience, our team of creatives works together to craft smart solutions for government, commercial and nonprofit clients.

ADS — BOOTH 316

ADS is the world's premier equipment, procurement, and solutions specialist to the US Military. We ensure mission success, operational efficiency, and cost savings for our customers by partnering with leading manufacturers of CBRN equipment. Bring us your mission requirement and we will help you identify the best solutions to meet it. We will offer you a range of contract vehicles for procurement to get your equipment when and where you need it. Our Purpose. Your Mission

ALTI, LLC — BOOTH 506

ALTI LLC is developing game changing technology to detect and identify explosives and other hazards. We are actively searching for partners to confirm our analyzer's performance in this area as part of a Field-testing Campaign. We can also safely generate and monitor nitric oxide for breathing therapy including the potential treatment of Covid-19 as a separate endeavor.

AVON PROTECTION SYSTEMS, INC. — BOOTH 507

Avon Protection is a world leader in Respiratory Protective Equipment (RPE), providing complete solutions for Air, Land & Sea based personnel in Military, Law Enforcement, First Responder, Firefighting & Industrial sectors globally. Our portfolio of innovative, high-performance products include escape devices, full face masks, powered air systems, self-contained breathing apparatus & a full range of filters & accessories to deliver maximum operational flexibility & accommodate changing threats.

BATTELLE — BOOTH 303

For over 70 years, government agencies and industry alike have trusted Battelle to solve their most complex chemical and biological defense challenges. Tap our expertise spanning decades and dozens of interrelated scientific disciplines, unmatched chemical and biological test facilities, advanced product design and manufacturing, and objectivity as the world's largest independent R&D organization.

BLOCK ENGINEERING — BOOTH 515

Standoff Chemical Detection and Identification: Since 1956, Block Engineering has developed chemical detection and identification systems for safety, security, and environmental monitoring applications. Our quantum cascade laser-based spectrometers offer near-instantaneous detection of chemical threats from hundreds of meters away. Block also sells widely tunable mid-infrared laser systems to researchers, universities, and OEM partners.

BRUKER DETECTION CORPORATION — BOOTH 503

Bruker Detection Corporation is a worldwide leader in supplying high performance CBRNE detection instruments for substance detection and pathogen identification in security, defense, and law enforcement applications.

CALGON CARBON CORPORATION — BOOTH 406

Calgon Carbon Corporation is a global leader in the manufacture of high-quality activated carbon products. Since 1942, we have provided domestically-sourced activated carbon to protect our war fighters both individually and collectively. Our ASZM TEDA® and other products are specially designed to make air safer to breathe with the reliability that our war fighters need.

CBRNE WORLD BOOTH 504

CBRNe World is the longest established and most widely read magazine for the global CBRNE community. It also organizes the annual CBRNe Convergence conference & exhibition which this year is hosted in Orlando, November 2-4. Delivering news, comment and in depth articles via the magazine, website , newsletters, workshops and conferences to assist CBRNE military and civil professionals achieve their mission goals. Www.cbrneworld.com. CBRNe Convergence Canada will be hosted in April 2022.

CHEMRING SENSORS AND ELECTRONIC SYSTEMS BOOTH 304

Chemring Sensors and Electronic Systems is a leading provider and systems integrator of advanced point chemical and biological threat detection systems. We have the expertise and knowhow to provide full lifecycle product design, development, production and logistics support.

CWMD CONSORTIA BOOTH 512

The Countering Weapons of Mass Destruction (CWMD) Consortium and the Medical CBRN Defense Consortium (MCDC) consist of business and academic entities across the medical, CBRN, WMD and defense industries assembled to address the DoD's need for innovative, safe and effective medical solutions to counter CBRN threats and technologies to counter WMD. They operate through an Other Transaction Agreement (OTA) with JPEO-CBRND and are managed by Advanced Technology International (ATI).

DESIGN WEST TECHNOLOGIES BOOTH 307

Design West Technologies is founded on the philosophy of bringing innovative engineering solutions to warfighters through an agile small business environment. We have proudly served our warfighters for over 25 years with solutions for weapon systems, CBRN detection, and protection. Vertically integrated from R&D to final assembly and testing, we offer product development with design, engineering, CNC machining, injection molding, and robotic welding capabilities.

DOMENIX BOOTH 403

Since 2001, Domenix has been a leading provider of actionable knowledge through the integration and transformation of data. across multi-tiered complex computing and network architectures. Domenix delivers real-time embedded solutions with core expertise in disparate sensor integration and data fusion. Our team of engineers are experts in hardware and software engineering, cybersecurity, and the development and management processes.

DWE, INC BOOTH 206

D. Wheatley Enterprises, Inc. (DWE) is an engineering, development and manufacturing company whose core competency is life-support systems design and development supported by capabilities in injection molding and polymer systems for the CBRN protection/detection. Special Projects Operations, Inc. (SPO) is a global leader in the research, development and manufacturing of advanced hybrid life support systems, exothermic cutting torch technologies, and air and oxygen management systems.

ENVIRONICS USA BOOTH 202

Environics has over 30 years of experience in improving CBRN safety around the world with its in-house technologies, and portable and fixed monitoring solutions. Different organizations in over 50 countries, from civil defense and homeland security to the military, have already selected Environics as their partner in CBRN threat detection.

FEDERAL RESOURCES BOOTH 203

Federal Resources is the premier single source provider of the customized, integrated solutions your team needs to successfully complete it's next assignment. With more than three decades of specialized experience, coupled with industry connections and trusted partnerships, FR helps military, first responders and organizational professionals equip, train and maintain every component of your next mission, program or project.

FIRST LINE TECHNOLOGY BOOTH 510

First Line Technology is a lead manufacturer of disaster response/emergency management equipment. With solutions for multi-patient transport, personal cooling, decon tools like Dahlgren Decon and FiberTect for Hybrid Decon, and first responder training through the First Line Utilization Academy (FLUA), First Line Technology offers all tools necessary for a variety of response missions. Prepare for, protect against, respond to, and recover from all hazards with lab to life-saving technologies.

GORE-TEX PROFESSIONAL BOOTH 511

Since our inception in 1958, innovation and materials expertise has been at our heart as an enterprise. Since our inception in 1958, innovation and materials expertise has been at our heart as an enterprise. Lightweight CHEMPAK® Products by GORE-TEX Labs provide protection against toxic industrial chemicals, chemical warfare agents, infectious diseases, synthetic opioids, and biological and radiological particulate hazards. Visit Booth #511 to learn more about our technologies and solutions.

H3D, INC. BOOTH 315

H3D offers the world's highest-performance gamma-ray spectrometers and imaging spectrometers. Our pixelated CZT achieves 1.1% energy resolution. The H-series gamma-ray imaging spectrometers are used for applications in CBRN and emergency response. The A-series RIIDs are the new state-of-the-art technology for portable isotope ID. H3D also has ruggedized vehicle-mount systems, lightweight modules and the capability of developing custom solutions for your spectroscopy or imaging needs.?

HDT GLOBAL BOOTH 313

A provider of highly-engineered mobile military and emergency response solutions, HDT Global is widely recognized for its industry-leading production of state-of-the-art, fully integrated deployable solutions. With advanced systems currently being used by the U.S. and allied military units stationed worldwide, HDT's products include shelter systems, environmental control systems, generators, heaters, air filtration devices, parachutes, aerial delivery systems, and robotics.

HEADWALL BOOTH 215

Headwall provides secure command and control capabilities in a virtual reality head mounted display. It is designed to exist in secure environments and allows for the situational awareness of a traditional command center with fewer barriers to deployment. In situations that demand rapid decision making, Headwall enables operators not physically in the command center to gain access to the same level of situational awareness afforded to operators that have access to a large format video wall.

INFICON BOOTH 502

INFICON is a leading global manufacturer of gas detection instruments that designs, manufactures and markets field-portable and stationary instruments for on-site assessment, characterization and monitoring of Toxic Industrial Chemicals (TICs) and Volatile Organic Compounds (VOCs) in air or water.

ITL SOLUTIONS BOOTH 405

ITL Solutions is your source for equipment to meet today's requirements and tomorrow's unknowns. Offering mission specific equipment from Marine Engineering to CBR Decontamination, ITL Solutions is a SDVOSB with the right systems to meet your needs. ITL Solutions is proud to be the US Distributor of the Cristanini S.p.A. line of Chemical, Biological, Radiological Decontamination and Firefighting equipment, a world leader since 1972.

JGW GROUP BOOTH 410

The JGW Group has spent the last 37 years providing clients with highly specialized support in both the aerospace and defense sectors. Our expertise includes marketing and sales, training, consulting, proposal preparation and management, business development, and contractual intelligence. Our focus areas include CBRNE, Force Protection, and Defense.

JPEO-CBRND BOOTH 412

The Joint Program Executive Office for CBRN Defense (JPEO-CBRND), one of the four components of the Chemical Biological Defense Program, manages our nation's investments in CBRN defense equipment and medical countermeasures. JPEO-CBRND leads, manages, and directs the acquisition, fielding and sustainment of CBRN sensors, protective equipment, medical countermeasures, specialized equipment for U.S. Special Forces, integration and information systems, and defense-enabling biotechnologies.

ORTEC BOOTH 310

ORTEC will be showing the Detective X and RadEAGLET-R radioisotope identifiers. ORTEC Detective models are the standard devices used by Customs, Defense, Intelligence, state and local agencies in the US and around the world. ORTEC will show the GRACE Gamma Ray Analysis of Chemicals and Explosives system. This system is light, portable, easy to set up and deploy. GRACE analyzes and provides on-site identification of the chemical contents inside munitions or other unopened containers.

PARATEK PHARMACEUTICALS BOOTH 311

NUZYRA® (omadacycline) is available in the U.S., as a once-daily oral and intravenous antibiotic for the treatment of adults with community-acquired bacterial pneumonia and acute bacterial skin and skin structure infections. Nuzyra (omadacycline) was added to the Joint Deployment Formulary (JDF), currently utilized by numerous MTF's across all service branches, listed on the FDA Essential Medicine List and contracted with BARDA for bio-threat protection and antimicrobial resistance.

POLIMASTER INC BOOTH 207

Polimaster Inc. BOOTH 207 Polimaster is a major supplier of radiation detection equipment for multiple Federal, State and local law enforcement agencies.

PROGRAM EXECUTIVE OFFICE, ASSEMBLED CHEMICAL WEAPONS ALTERNATIVES BOOTH 411

QINETIQ, INC. BOOTH 211

Around the world, QinetiQ's TALON, man transportable robot, has earned a reputation for its durability, reliability and flexibility when protecting soldiers, first responders and civilians from enemies to threats to improvised explosive devices (IEDs). Combined with the compact Dragon Runner, robot, our weaponized, Modular Advanced Armed Robotic System (MAARS®) robot and our newest larger robots, TISON and TITAN, we offer a full range of solutions for military, security and first responders.

QUICKSILVER ANALYTICS, INC. BOOTH 314

QS is a Service Disabled, Veteran Owned Small Business, providing quality chem/bio products and services. QS specializes in customization of forensic quality environmental sampling kits for WMDs. Most of the components in the QS kit have national stock numbers. QS is ISO 9001-2015 registered. QS's sampling kit is a component of the Dismounted Reconnaincense Sets, Kits and Outfits. See our online catalogue at www. qcslvr.com for replacements or for items that have expired.

REDWAVE TECHNOLOGY BOOTH 306

RedWave Technology is a Homeland Security company dedicated to protecting America and our allies from intentional and accidental chemical threats. The XplorIR is the first handheld FTIR identifier of over 5,500 gases at low ppm concentrations for HotZone usage. The XplorIR can identify TICs, VOCs, flammables, corrosives, industrial gases, and more. The ThreatID is the only FTIR portable hazmat device capable of identifying over 22,000 powders and liquids, AND 5,500 gases.

SERSTECH BOOTH 505

SKYDIO BOOTH 514

Skydio is the leading U.S. drone manufacturer and world leader in autonomous flight. Skydio leverages breakthrough AI to create the world's most intelligent flying machines for use by consumers, enterprises, and government customers. Skydio designs, assembles, and supports its products in the U.S. from its headquarters in San Mateo, CA, to offer the highest standards of supply chain and manufacturing security.

TELEDYNE FLIR BOOTH 302

FLIR Systems, Inc. designs, develops, manufactures, markets, and distributes technologies that enhance perception and awareness. We bring innovative sensing solutions into daily life through our thermal imaging systems, visible-light imaging systems, locator systems, measurement and diagnostic systems, and advanced threat detection systems. Our products improve the way people interact with the world around them, enhance public safety and well-being and enable healthy and entertained communities.

TIMILON CORP BOOTH 413

Timilon Corp BOOTH 413 FAST-ACT immediately contains or neutralizes acids, bases, and other chemical hazards (including CWAs) safely and in a single response tool. FAST-ACT provides safety benefits beyond traditional measures. The broad range of utility makes FAST-ACT a valuable tool for a variety of environments including: public and commercial transportation, government facilities, laboratories, production facilities, police, fire, and any place where hazardous chemicals are a potential threat.

U.S. ARMY CHEMICAL MATERIALS ACTIVITY BOOTH 415

The U.S. Army Chemical Materials Activity (CMA) safely stores the chemical weapon stockpile and assesses and destroys recovered chemical warfare materiel in support of the Chemical Weapons Convention. CMA is a unique organization with capabilities not found elsewhere in the Army. Follow CMA on Facebook: https://www.facebook.com/USArmyCMA/ Visit the CMA Website for additional resources and information: https://www.cma.army.mil/

US ARMY DEVCOM CHEMICAL BIOLOGICAL CENTER BOOTH 404

The U.S. Army Combat Capabilities Development Command Chemical Biological Center (DEVCOM Chemical Biological Center) is the primary Department of Defense technical organization for non-medical chemical and biological defense.

VALITUS TECHNOLOGIES BOOTH 414

Valitus Technologies was formed in 2015 with a mission to increase security in public, government and high occupancy spaces with multiple THREAT DETECTION technologies without the interruption of everyday life. Our executive team has decades of experience in the physical security industry and working with State, Local and Federal agencies around the world.

LEADING THE WAY IN ENGAGEMENT, NETWORKING, AND NATIONAL DEFENSE

PLAN AHEAD FOR SUCCESS | 2022 FEATURED MEETINGS, CONFERENCES, AND EVENTS

2022 JADC2 & ALL DOMAIN WARFARE SYMPOSIUM**

July 11 – 13, 2022 | McLean, VA

Cyber | Cyber-Augmented Operations | Information Technology | Warfare

PRECISION STRIKE TECHNOLOGY SYMPOSIUM (PSTS-22)* SECRET – NOFORN

October 18 – 20, 2022 | Laurel, MD

Precision Capability | Air & Missile Defense | Technology Advancements

2022 CBRN DEFENSE CONFERENCE AND EXHIBITION

July 26 – 28, 2022 | Baltimore, MD

Combat Architecture | Defensive Measures | Demilitarization | Preparedness | Industrial Base

2022 INSENSITIVE MUNITIONS & ENERGETIC MATERIALS (IMEM) TECHNOLOGY SYMPOSIUM

October 18 – 20, 2022 | Indianapolis, IN

Energetic Materials | Insensitive Munitions | Munitions Technology

2022 SPACE WARFIGHTING INTEGRATION FORUM (SWIF)**

August 17 – 19*, 2022 | Colorado Springs, CO

Defense Research & Development | Science & Technology

25TH ANNUAL SYSTEMS & MISSION ENGINEERING CONFERENCE

November 1 – 3, 2022 | Orlando, FL

Program Management | Security Models | Test & Evaluation | Manufacturing

FUTURE FORCE CAPABILITIES CONFERENCE & EXHIBITION

September 19 – 22, 2022 | Austin, TX

Autonomous Systems | GARM | Live Fire | Multi-Domain | Small Arms | EOD

AIRCRAFT SURVIVABILITY SYMPOSIUM

November 2 – 4, 2022 | Monterey, CA

Combat Survivability | Concealment and Deception | Countermeasures | Urban Warfare | Vulnerability Reduction

UNDERSEA WARFARE FALL CONFERENCE*

September 26 – 28, 2022 | Groton, CT

Aviation USW | C4I | Mine Warfare | Undersea Sensors & Vehicles | Warfighter Performance

33RD ANNUAL NDIA SO/LIC SYMPOSIUM

November 17 – 18, 2022 | Washington, DC

Special Operations Forces | Strategic Competition

WOMEN IN DEFENSE NATIONAL CONFERENCE

September 27, 2022 | Arlington, VA

Pivots and Prospects: Success in the New Normal

I/ITSEC 2022

November 28 – December 2, 2022 | Orlando, FL

Simulation | Training | Virtual Reality

*All Classified | **Partially Classified

VISIT NDIA.ORG FOR MORE INFORMATION ON ALL OF OUR MEETINGS, CONFERENCES, AND EVENTS