



NDIA

AT THE HEART
OF THE MISSION

THE NDIA **SBIR TOPIC** WORKSHOP

Driving Innovation to the Warfighter

December 7, 2021 | Boston, MA | [NDIA.org/SBIRWorkshop](https://ndia.org/SBIRWorkshop)

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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

WELCOME TO NDIA SBIR TOPIC WORKSHOP

Welcome to the National Defense Industrial Association 2021 SBIR Topic Workshop. We are pleased and honored that you have chosen to attend this event today. This is the seventh consecutive year of the SBIR Topics Workshop. The timing of this year's event is especially important to the small business community as we are approaching 40 years since the SBIR/STTR Program was first authorized by the U.S. Congress. Established in 1982, the SBIR/STTR Program has since served as a proven pipeline for small business ingenuity and innovative technologies so critical to national security interests.

To celebrate this 40th anniversary of the SBIR program, we have a special agenda today including opening remarks from NDIA President and CEO, Gen. Hawk Carlisle, USAF (Ret), as well as a first-hand account from former NDIA New England Chapter President, Paul Serotkin, about the historical day the SBIR/STTR legislation was signed. The NDIA Legislative Affairs & Policy Team will provide us with a legislative update on the path forward for the Program. Following that, we will hear from thought leaders on an inter-agency panel on the topic of "Driving Small Business Innovation Across the Services." As in previous years, a major part of today's agenda will be designated to SBIR/

STTR 22.1 topic presentations. We invite you to take advantage of the one-on-one meetings with SBIR Program Managers and technical experts here today to explore how your small business innovation can be brought to bear to address their agencies' specific needs.

I want to extend my special gratitude to our participating agencies: Naval Sea Systems Command, Naval Air Systems Command, U.S. Air Force, Department of Homeland Security and the Missile Defense Agency. A special note of appreciation to our NDIA team, both at the Division level and at the New England Chapter, who have proudly organized and dedicated themselves to keeping this event vibrant this year and beyond.

Today is all about driving innovation to the warfighters. On behalf of NDIA's Small Business Division and the New England Chapter, I thank each of you for participation and wish you a meaningful and engaging day.

ML Mackey

Chair, NDIA Small Business Division
CEO, Beacon Interactive Systems

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SCHEDULE AT A GLANCE

| | | |
|--|---|--|
| <p>SBIR Reauthorization, Legislative Updates District Hall General Session 8:40 — 8:55 am</p> <p>Driving Small Business Innovation Across the Services Panel Discussion District Hall General Session 9:00 — 9:55 am</p> | <p>Presentation of Topics (DHS) General Session 10:00 — 10:035 am</p> <p>Presentation of Topics (NAVAIR) General Session 10:40 — 11:25 am</p> <p>Presentation of Topics (NAVSEA) General Session 12:15 — 2:00 pm</p> | <p>ONE-ON-ONE CONCURRENT SESSIONS Assigned Break-Out Rooms 2:15 — 4:10 pm</p> <p><i>*ALL TIMES LISTED ARE IN EST</i></p> <p>DISTRICT HALL POLICY: MASKS ARE TO BE WORN AT ALL TIMES WHEN NOT EATING OR SPEAKING.</p> |
|--|---|--|

GET INVOLVED

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



LEADERSHIP AND COMMITTEES

ML Mackey
Division Chair

Ally Veres
Division Vice-Chair

SMALL BUSINESS

WHO WE ARE

NDIA's Small Business Division works to help small companies grow and remain a strong part of the defense industrial base. The Division's yearly educational conferences promote business skills and opportunities and offers insight into the needs of the defense community. Focus areas include fostering alliances between large and small businesses, and providing regular updates on legislation that may affect small businesses.

EVENT INFORMATION

LOCATION

District Hall Boston
75 Northern Avenue
Boston, MA 02110

WIFI

Free wifi is available in the building for all attendees and no password is required.

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

Renata Casiel
Meeting Planner
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Carizza Gutierrez
Program Manager, Divisions
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cgutierrez@NDIA.org

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), and Women In Defense (WID) meeting-related events, whether in person at public or private facilities, online, or during virtual events. NDIA, NTSA, 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](https://www.ndia.org/CodeOfConduct) to review the full policy.

ANTITRUST 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 is an audience engagement platform that allows users to crowd-source top questions to drive meaningful conversations and increase crowd participation. Participants can up-vote 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.



Event code: **2140**

AGENDA

7:30 am – 4:00 pm **REGISTRATION**
All times are in EDT LOBBY

8:30 – 8:40 am **OPENING REMARKS**
DISTRICT HALL GENERAL SESSION

ML Mackey
Chair, NDIA Small Business Division
CEO, Beacon Interactive Systems

Gen Hawk Carlisle, USAF (Ret)*
President & CEO, National Defense Industrial Association (NDIA)
**Pre-Recorded*

Dr. M. Roman Hachkowski
Chair, NDIA New England Chapter

Paul Serotkin
Past Chair, NDIA New England Chapter
Vice President, Corporate Development, Strategic Innovation Group, LLC

8:40 – 8:55 am **SBIR REAUTHORIZATION, LEGISLATIVE UPDATES**
DISTRICT HALL GENERAL SESSION

ML Mackey
Chair, NDIA Small Business Division
CEO, Beacon Interactive Systems

Kea Matory
Director of Legislative Policy, NDIA

9:00 - 9:55 am **DRIVING SMALL BUSINESS INNOVATION ACROSS THE SERVICES**
PANEL DISCUSSION
DISTRICT HALL GENERAL SESSION

ML Mackey
Chair, NDIA Small Business Division
CEO, Beacon Interactive Systems
Moderator

Richard McNamara
NAVSEA SBIR Program Advisor, Naval Sea Systems Command

Donna Attick
NAVAIR SBIR/STTR Program Manager, Naval Air Systems Command

Dusty Lang
DHS SBIR/STTR Program Manager, U.S. Department of Homeland Security

James Sweeney
Air Force SBIR/STTR Program Office, U.S. Air Force
Invited

Christina Barnhill
SBIR/STTR Business Operations Manager, Missile Defense Agency

10:00 – 10:35 am **PRESENTATION OF TOPICS (DHS)**
 DISTRICT HALL GENERAL SESSION
Dusty Lang
 DHS SBIR/STTR Program Manager, U.S. Department of Homeland Security
Invited

10:40 – 11:25 am **PRESENTATION OF TOPICS (NAVAIR)**
 DISTRICT HALL GENERAL SESSION
Anthony Archer
 NAVAIR SBIR/STTR Program Manager, Naval Air Systems Command

Anthony Brescia
 S&T Director, Sensors and Electronic Warfare Department, Naval Air Warfare Center Aircraft Division Office, Avionics

11:25 – 12:15 pm **LUNCH & NETWORKING BREAK**
 LOUNGE

12:15 – 2:00 pm **PRESENTATION OF TOPICS (NAVSEA)**
 DISTRICT HALL GENERAL SESSION

PEO Integrated Warfare Systems
Douglas Marker
 SBIR/STTR Technology Manager, Program Executive Office, Integrated Warfare Systems

PEO Unmanned and Small Combatants
Jennifer Greenwood
 SBIR/STTR Technology Manager, Program Executive Office, Unmanned and Small Combatant

PEO SHIPS
Paul Chandler
 SBIR/STTR Transition Manager, Program Executive Office, Ships

PEO Submarine
Roberto Sanchez
 SBIR/STTR Technology Manager, Program Executive Office, Submarines

SEA 05T HQ & DIR
Ryan Blondino
 SBIR/STTR Technology Manager, NAVSEA Technology Office, Headquarters & Directorates

2:05 – 2:10 pm **CLOSING REMARKS**
 DISTRICT HALL GENERAL SESSION

ML Mackey
 Chair, NDIA Small Business Division
 CEO, Beacon Interactive Systems

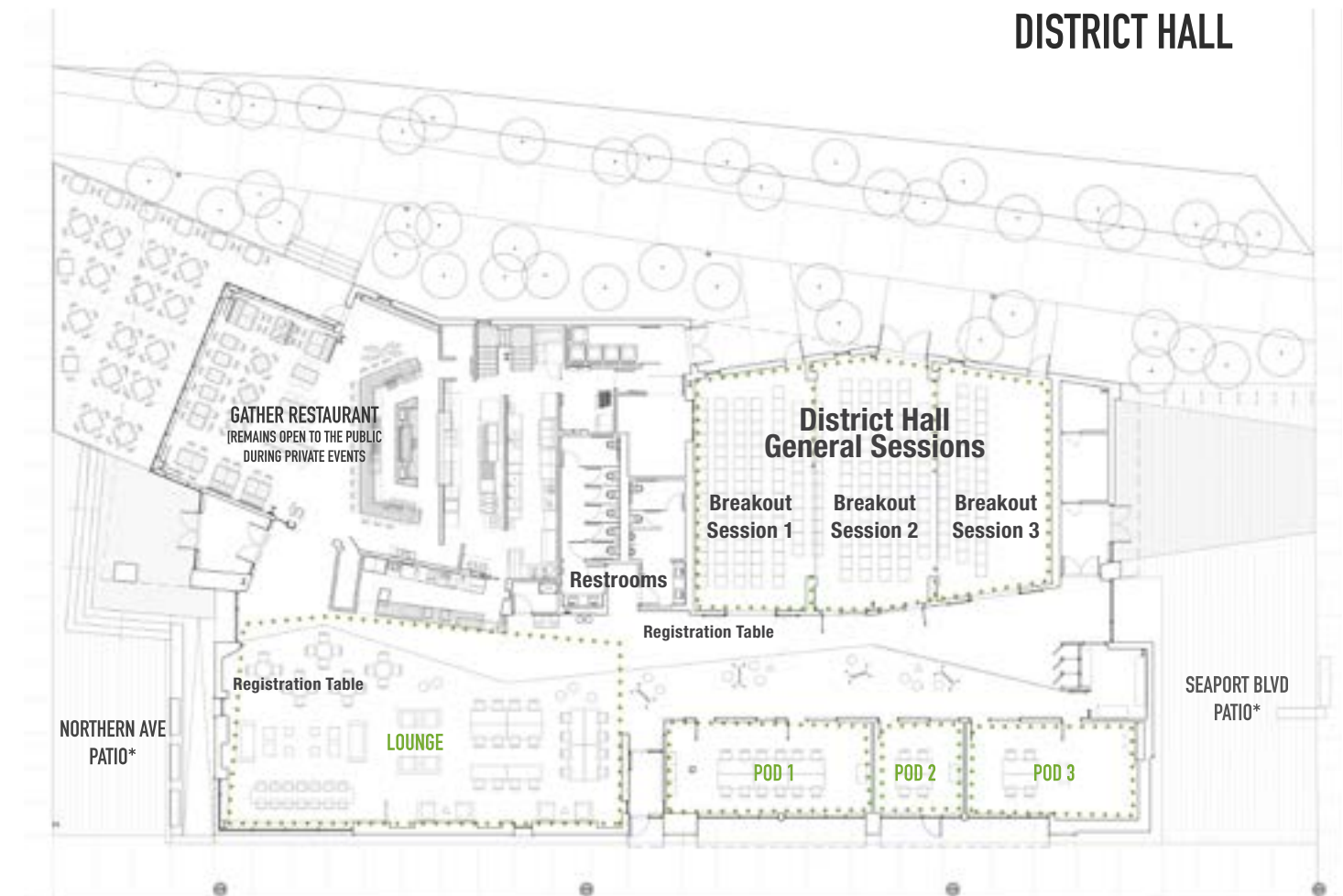
ONE-ON-ONE CONCURRENT SESSIONS

2:15 – 4:10 pm **ONE-ON-ONE CONCURRENT SESSIONS**
 DISTRICT HALL GENERAL SESSION AND POD 1 – 3

10-minute individual one-on-one sessions with SBIR Program Managers from NAVSEA, NAVAIR, Air Force, DHS and Missile Defense Agency.

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VENUE MAP





AN ONLINE COMMUNITY FOR DEFENSE PROFESSIONALS

NDIA Connect is a members-only benefit that's bustling with information, conversation, and activity stimulated by defense professionals from industry, government, and academia. Log in today to explore the platform's various functionalities and contribute to our collective mission in support of the warfighter. From anywhere and at any time, use NDIA Connect to network with colleagues, collaborate on projects, and stay connected.

Connect.NDIA.org



BIOGRAPHIES



ML MACKEY

CEO
Beacon Interactive Systems

Ms. Mackey is the CEO and a Co-founder of Beacon Interactive Systems, a small business innovator headquartered in Waltham, MA. Beacon is a valued and rapidly-growing provider of mission critical systems to the Department of Defense. With a full-fleet deployment of initial NAVSEA SBIR investments, Beacon's digital products drive operational efficiency, improve sustainability and unleash productivity.

Ms. Mackey's professional interests involve the intersection of digital transformation and workforce impacts while her non-profit interests include small business, entrepreneurship, women's leadership, and STEM innovation.

Ms. Mackey is the Division Chair of NDIA's Small Business Division as well as an active member of NDIA's Defense Workforce Project. She also serves as the 2021 Board Chair of NSBA, the National Small Business Association.

Ms. Mackey's recognition includes an Entrepreneurial Leadership Award from the Boston-based Women Entrepreneurs in Science & Technology, a Tibbetts Award from the Small Business Administration, and a Champion of Small Business Innovation Award from the Small Business Technology Council.

Prior to Beacon, Ms. Mackey worked at Digital Equipment Corporation where she began her career as a hardware engineer. Ms. Mackey is a proud graduate of Lehigh University with a Bachelor of Science degree in Electrical Engineering.



DR. M. ROMAN HACHKOWSKI

Chair
National Defense Industrial Association (NDIA) New England Chapter

Dr. Hachkowski is a seasoned executive with decades of experience with defense and commercial customers. A compassionate leader, he has led large-scale enterprises that deliver cutting-edge Airborne and Space ISR, Directed Energy, and commercial optical solutions that extend Moore's Law and capture signs of sentinel life beyond our Solar System.

Dr. Hachkowski earned his SB from the Massachusetts Institute of Technology in Aeronautics and Astronautics. As a NASA Graduate Fellow, he received his MSc and Ph.D. in Aerospace Engineering from the University of Colorado, Boulder. Also, Dr. Hachkowski has several patents and published design strategies for segmented deployable telescopes, persistent surveillance ISR missions, and laser fusion systems. Winner of multiple

industry-wide awards, including NASA's Group Achievement Award, Aviation Week's 2010 ISR Product of the Year, and Program Management Institutes' Project of the Year. Dr. Hachkowski is a passionate leader in leading cutting-edge enterprises that deliver market-moving high-tech solutions.



PAUL SEROTKIN

Past Chair NDIA New England Chapter
Vice President, Corporate Development, Strategic Innovation Group, LLC

Paul Serotkin has over 30 years of experience in managing closely-held government contractors, and leading M&A/corporate development for public sector businesses.

Windwalker Group LLC, International Development Group LLC, Glevum Associates, and UFA, Inc.

Previously, he served as Principal for two investment banks serving the federal sector, providing buy and sell side services. Serotkin had also been Director/VP, Corporate Development for public and private federal contractors, last with Titan Corporation.

He began his career with the Smaller Business Association of New England (SBANE), where he helped to pass the landmark Small Business Innovation Research (SBIR) Act in July 1982. He earned bachelor's and master's degrees from Northeastern University and Boston University respectively.

He has been a C-Suite executive, Director, and corporate officer for four government services contractors, including

NDIA CAREER CENTER

Connecting Talent with Great Opportunities

This latest member benefit of the National Defense Industrial Association offers qualified defense and national security professionals and employers an intuitive platform to identify the next best opportunity or candidate. With single-sign-on, quick and advanced searches, job alerts, career resources, pre-screen questionnaires, success tracking, and more, the NDIA Career Center is the defense industry's premier resource for career growth and advancement.

Log in and complete your profile today at Jobs.NDIA.org





RICHARD MCNAMARA

NAVSEA SBIR Program Advisor
Naval Sea Systems Command

Mr. McNamara had a distinguished forty year career with the Department of Navy culminating in eight years as a member of the Senior Executive Service (SES) — four years as the Deputy Program Manager for the Virginia Class Submarine and four

as Executive Director PEO Submarines. After retiring, he established RRM & Associates, LLC.

A graduate of Northeastern University with a degree in Mechanical Engineering, he has been recognized in both public and private sectors, being awarded a Presidential

Rank Award, Distinguished Civilian Service and Medal, the Naval Submarine League Distinguished Civilian Award for 2015, a Navy SBIR Career Achievement Award and industry's NDIA VADM Weakly Award respectively, from Northeastern University and Boston University among others.



DONNA ATTICK

Program Manager
Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR), Naval Air Systems Command

Ms. Attick became the Program Manager of NAVAIR's Small Business Innovative Research (SBIR) and Small Business Technology Transition (STTR) program in 2011. The SBIR program

was established by congress in 1982 to stimulate technological innovation via the small business. Ms. Attick is responsible for the management and implementation of DoD, Navy, and Command policy aimed at stimulating innovation by small businesses,

technical development and the successful transition of SBIR S&T products of federally-funded research into the Naval Aviation Enterprise. Over 300 companies participate in the NAVAIR SBIR program through multiple solicitations each year.



DUSTY LANG

Program Manager
Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR), U.S. Department of Homeland Security

Dusty Lang assumed the role of Department of Homeland Security (DHS) Small Business Innovation Research (SBIR) Program Director in 2019. She has worked extensively with the DHS SBIR program, administered by the DHS Science and Technology Directorate (S&T), having joined the program team in 2016. In 2018, Ms. Lang served as the Program Manager

for the S&T Broad Agency Announcement and Prize Competition programs before coming back to the DHS SBIR program as Director in 2019.

Prior to joining DHS S&T, Ms. Lang began her career working at the Patuxent River Naval Air Station at the Hazardous Materials Warehouse. After subsequent positions in the Information Resource Management Office and PMA-207, in 2006 she moved

to the Naval Air Systems Command SBIR office. During her time in the NAVAIR SBIR office, she served as the Small Business Technology Transfer (STTR) Lead, with a brief intermission, from 2015-2016, as the Department of the Navy STTR/STP Program Manager.



JAMES SWEENEY, III

Division Engagement Lead
Department of the Air Force (DAF) SBIR/STTRC, U.S. Air Force

James A. Sweeney III currently serves as the Department of the Air Force (DAF) SBIR/STTR, Division Engagement Lead.

His background consists of both U.S. Air Force (USAF) and industry experience. He has held multiple positions at Wright-Patterson AFB, OH including: Department of the Air Force (DAF) Small Business Innovation Research (SBIR/STTR): Division Engagement Lead, Chief Defense Focused Technologies, Chief Strategic Communications Officer, SBIR Commercialization Readiness Program (CRP) Program Manager

Program Management: F119 engine Flight Test Program Manager for the F-22, F-22 Pilot Training Program Manager, International Flight Simulator Programs Program Manager for the Turkish, Israeli and Egyptian Air Forces. He began his government career as a Contract Negotiator for the F-16 Block 40 Multi-year buy program. His industry experience includes Program Manager for: the Royal Saudi Air Force Airborne Rangeless Training System, Nellis Air Combat Training System (NACTS) Program Manager, B-52 Airborne Infrared Camera – Fleet Retrofit, Rangeless Airborne Instrumentation & Debriefing System (RAIDS) – British/French joint Development /Production /International deployment program, and for miniature

antennae development and manufacturing for a couple of surveillance organizations in Washington DC.

He has earned a Bachelor's Degree in International Marketing/Business Administration from San Diego State University, and a Master's Degree in Business Administration from Central Michigan University.

His background includes growing up in a Small Business family and he readily understands and appreciates the full spectrum of challenges and rewards the Small Business community undergoes. He successfully constructed and flies an FAA approved, RV-6A, Experimental airplane..



CHRISTINA BARNHILL

Business Operations Manager
Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR), Missile Defense Agency

Christina "Tina" Barnhill, is the Acting Operations

Manager for SBIR/STTR programs within the Missile Defense Agency (MDA). Her office provides government funding opportunities, including technological innovations by small businesses focusing on DoD major weapons systems acquisitions.

Tina plans and manages the 4th largest SBIR/STTR Program within DoD by focusing on program strategies, optimizing resources and capitalizing on best practices while assisting small businesses as they market their capabilities within MDA.

To those ends, she established a Commercialization and Transition Office and has extensive experience with the DoD

Mentor Protégé Program—partnering large industry leaders with small businesses. In 2015, Tina won the 2015 Champion of Small Business Technology Commercialization, DoD National Small Business Association.

Tina holds a Master of Science in Program Management from the Florida Institute of Technology and has served as a DoD civilian for over 25 years.

SPONSOR DESCRIPTIONS



Onyx Spectrum Technology addresses complex communications, photonics and Artificial Intelligence engineering issues faced by Government and commercial entities.

Legacy Solutions Division, with a 10,000+ sq. ft. warehouse facility in Lawrence, MA, provides engineering support and sustainment for products critical for Embedded Electronics, Signal Processing Electronics and Systems, Electro-Optical Systems and Communications Systems.

Photonics Division has extensive capability in the design and support of embedded and digital signal processing systems incorporated into cameras, sensors and test sets for all wavelengths from IR to UV.

Professional Services Division provides an extensive reservoir of Artificial Intelligence SME's, including personnel with top-secret security clearance.



2021 JOINT NDIA/AIA FALL INDUSTRIAL SECURITY CONFERENCE

November 8 – 10, 2021 | Chantilly, VA

Industrial Security | Insider Threat | Cybersecurity/CMMC | NISPOM Updates



2022 TACTICAL WHEELED VEHICLES CONFERENCE

February 28 – March 2, 2022 | Norfolk, VA

Autonomous Vehicles | Electric Drive | Modernization & Sustainment | Acquisition



I/ITSEC 2021

November 29 – December 3, 2021 | Orlando, FL

Simulation | Training | Virtual Reality



2022 PACIFIC OPERATIONAL SCIENCE & TECHNOLOGY (POST) CONFERENCE**

March 7 – 8 (Open), 9 – 10 (Closed), 2022 | Honolulu, HI

Regional Security | Science & Engineering Technology | Technology Engagement



2021 VIRTUAL SYSTEMS & MISSION ENGINEERING CONFERENCE

December 6 – 8, 2021 | Virtual

Engineering & Manufacturing | Human Systems Integration | Security Engineering | Systems Architecture Systems



2022 UNDERSEA WARFARE SPRING CONFERENCE

March 28 – 30, 2022 | San Diego, CA

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



NDIA SBIR TOPIC WORKSHOP

December 7, 2021 | Boston, MA

Small Business | Technology Innovation | SBIR/STTR Topics



2022 JOINT NDIA/AIA SPRING INDUSTRIAL SECURITY CONFERENCE

April 25 – 27, 2022 | Clearwater Beach, FL

Industrial Security | Insider Threat | Cybersecurity/CMMC | NISPOM Updates



2022 AIRCRAFT SURVIVABILITY SYMPOSIUM*

February 15 – 17, 2022 | Monterey, CA

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



65TH ANNUAL FUZE CONFERENCE

May 10 – 12, 2022 | Seattle, WA

Fuze | Missiles | Munitions Technology | Safety & Arming Devices | Warheads



2022 VIRTUAL EXPEDITIONARY WARFARE CONFERENCE

February 8 – 10, 2022 | Virtual

Expeditionary | Strategic Sealift | Joint All Domain | Force Protection



2022 SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE & EXHIBITION (SOFIC)

May 16 – 19, 2022 | Tampa, FL

Communications | Light Vehicles | Small Arms | Special Operations