



NDIA

Small Business Innovation Summit

Accelerating Development and Delivery of Innovation

December 5 – 7, 2023 | Lincoln, MA | NDIA.org/SBSummit23

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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



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Schedule at a Glance

Tuesday, December 5

Keynote: USSOCOM Leadership
8:35 – 8:55 am

SBIR Cross Service Panel
10:45 – 11:45 am

SBIR Program Office Briefings
12:25 – 2:00 pm

One - On - One Concurrent Sessions
4:15 – 6:00 pm

Wednesday, December 6

Small Business Accelerators & Incubators
10:35 – 11:20 am

S&T Director Perspectives: USSOCOM & Army Research Lab
12:50 – 1:35 pm

Navy Panel
2:35 – 3:35 pm

Thursday, December 7

Fireside Chat: Venture Capital for Defense Innovators
8:55 – 9:25 am

Regional Funding Resource for Defense Innovators
10:55 – 11:55 am

Welcome to The Small Business Innovation Summit

Welcome to the National Defense Industrial Association 2023 Small Business Innovation Summit. We are pleased and honored that you have chosen to attend. This is the second year of the Small Business Innovation Summit and the ninth consecutive year of the SBIR Topics Workshop.

The intent behind this event is not only to provide clarity on the gateway into the federal marketplace presented by the SBIR Program, but also to focus on how to move the prototype from initial development to full-fledged capability in the hands of the warfighter. As in previous years, some of the major aspects we are looking at include engaging with the program offices, understanding and pursuing the specific capability requirements, and driving the appropriate and often unplanned funding for the path forward.

Our goal is empowering and enabling the high-tech innovators and the resilient workforce that comes from the Small Business portion of the Defense Industrial Base. To this end, we invite you to take advantage of the one-on-one meetings with SBIR Program Managers on Day 1 and individual meetings with OSD leadership on Day 3 to explore how your innovative small

business capabilities can be best brought to bear on specific warfighter needs.

I want to extend special gratitude to both our new and returning SBIR Program Managers at the Naval Sea Systems Command, Navy SBIR Program Office, Missile Defense Agency, Army Research Laboratory, US Special Operations Command, and the Department of Homeland Security. Thank you also to the extended NDIA team, at Headquarters, at the Division, and at the Chapter, for your continued support not only of this event but also of small business innovators across the defense ecosystem. A special note of appreciation for the outstanding support from the leadership at Army DEVCOM and UMass Lowell as we yet again worked to expand the breadth and impact of the event this year.

These next three days are all about accelerating development and delivery of innovation. 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 event.

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

Get Involved

Learn more about NDIA's Divisions and how to join one at [NDIA.org/Divisions](https://www.ndia.org/Divisions)



Leadership and Committees

ML Mackey
Division Chair

Ally Veres
Division Vice-Chair

Small Business Division

Who We Are

The purpose of NDIA's Small Business Division is 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 offer 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

B2 Building
55 Old Bedford Road
Lincoln, MA 01773

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

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Meeting Planner
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Associate Director, Divisions
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Agenda

Tuesday, December 5

7:00 – 8:00 am
All times are in EDT

Networking Breakfast
NEXUS CENTER

7:00 am – 5:30 pm

Registration
LOBBY

8:00 – 8:10 am

Welcome Remarks
MAIN STAGE

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

Dr. Roman Hachkowski
President, NDIA New England Chapter
Executive Industry Advisor, NASA Jet Propulsion Laboratory

8:10 – 8:30 am

Keynote: USSOCOM Leadership
MAIN STAGE

LTC Adam Caruso, USA
Technology Liaison, U.S. Special Operations Command, Boston
Introduction

LtGen Francis Donovan, USMC
Vice Commander, U.S. Special Operations Command

8:30 – 9:00 am

Working with the Army Discussion
MAIN STAGE

Kim Buehler
Director, Army Office of Small Business Programs Office of The Secretary of The Army

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R&D Concepts Into Commercialized Technologies**

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9:00 – 9:30 am

Networking Break

NEXUS CENTER

9:30 – 10:00 am

NDIA Legislative Update

MAIN STAGE

Michael Seeds

Senior Director, Strategy & Policy, NDIA

10:00 – 11:00 am

SBIR Cross-Service Panel

MAIN STAGE

ML Mackey

Chair, NDIA Small Business Division

CEO, Beacon Interactive Systems

Moderator

Tina Barnhill

Acting Operations Manager, SBIR/STTR Programs, Missile Defense Agency (MDA)

Dr. Matt Willis

Director, Army Applied SBIR and Prize Competitions at HQDA ASA(ALT)

Bob Smith

Director, Department of the Navy

Mina Khalil

SBIR/STTR Program Manager, U.S. Special Operations Command

Stacy Swider

MassVentures START Program

Kristina Botelho

Contracting Officer, U.S. Air Force Life Cycle Management Center (AFLCMC), Hanscom AFB

11:00 – 11:30 am

Responding to the Requirement

MAIN STAGE

Jennifer Greenwood

SBIR/STTR Program Manager, Program Executive Office Unmanned and Small Combatant

Bill Marinelli

President & Chief Executive Officer, Physical Sciences, Inc.

11:30 am – 12:30 pm

Networking Lunch

CAFETERIA

12:30 – 1:45 pm

SBIR Program Office Briefings

MAIN STAGE

Jason Schroepfer

SBIR/STTR Program Manager, Naval Sea Systems Command (NAVSEA), U.S. Navy
Moderator

HQ/DIR

Vince LoBosco

Deputy Program Manager, SBIR/STTR

PEO Unmanned and Small Combatants

Jennifer Greenwood

SBIR/STTR Program Manager, Program Executive Office Unmanned and Small Combatant

PEO SUBMARINES

Roberto Sanchez

SBIR/STTR Assistant Program Manager, Program Executive Office Submarines

PEO Integrated Warfare Systems

Douglas Marker

SBIR/STTR Technology Director, Program Executive Office Integrated Warfare Systems

PEO SHIPS

Madison Lundberg

SBIR/STTR Program Analyst, Program Executive Office Ships (PEO SHIPS)

MDA

Candace Wright

SBIR/STTR Program Lead, Missile Defense Agency

1:45 – 2:15 pm

Networking Break

NEXUS CENTER

2:15 – 2:45 pm

Focus on the Warfighter: Small Business Success Stories

MAIN STAGE

Joe Dames

Founder & Chief Executive Officer, Sherpa6

Dexter Ang

Executive Chairman, PISON

2:45 – 3:35 pm

DoD Manufacturing Technology Program Office Overview

MAIN STAGE

Brig. Gen. David Trybula, USA

Deputy Commanding General, DEVCOM, U.S. Army

Steve Lutkowski

Program Director, OSD Manufacturing Innovation Institutes (OSD MII's)

3:45 – 5:45 pm

Transition to One-On-Ones & Reception

MAIN STAGE

ML Mackey

Chair, NDIA Small Business Division

CEO, Beacon Interactive Systems

Closing Remarks

Wednesday, December 6

7:00 – 8:00 am

All times are in EDT

Networking Breakfast

NEXUS CENTER

7:00 – 5:45 pm

Registration

LOBBY

8:00 – 8:10 am

Opening Remarks

MAIN STAGE

ML Mackey

Chair, NDIA Small Business Division

CEO, Beacon Interactive Systems

8:10– 8:40 am

Keynote: NDIA Leadership

MAIN STAGE

The Hon. David Norquist

President & CEO, National Defense Industrial Association (NDIA)

8:40 – 9:25 am

Panel: DoD Manufacturing Technology Programs – Deep Dive

MAIN STAGE

Keith DeVries

Deputy Director, Manufacturing Technology, Office of the Secretary of Defense (OSD)

Moderator

Justin McRoberts

Program Lead, OSD Manufacturing Innovation Institutes (OSD MII)

Michael Rein

Director of Engineering, Advanced Functional Fabrics of America (AFFOA)

Dr. Eric Forsythe

Program Manager, OSD NextFlex Flexible Hybrid Electronics Manufacturing Institute

Michale Orrico

Managing Director, BioFab Startup Lab, Advanced Regenerative Manufacturing Institute (ARMI), BioFab USA

Dr. Scott Miller

Director of Technology, OSD NextFlex Flexible Hybrid Electronics Manufacturing Institute

- 9:25 – 9:55 am **Networking Break**
NEXUS CENTER
- 9:55 – 10:40 am **Small Business Accelerators & Incubators**
MAIN STAGE
- Maren Cattonar**
Senior Strategic Advisor, BMNT
Moderator
- Dr. Bahareh Haji-saeed**
Director of External Engagements, BAE Systems, FAST Labs
- Joyce Sidopoulos**
Co-founder & Chief of Operations, MassRobotics
- Jackie Garofano**
Chief Technology Officer, Connecticut Center for Advanced Technology (CCAT)
- Bill Wolpe**
Director for Special Programs, Draper
- 10:40 – 11:00 am **Focus on the Warfighter – SongwritingWith:Soldiers**
MAIN STAGE
- Mike MacEwen**
President, CTO and Co-Founder, Beacon Interactive Systems
Board Member, NDIA New England Chapter
Introducer
- Gary Leopold**
Founding Partner, Prism Advisory Group
President and Chairman, SongwritingWith:Soldiers
- Jay Clementi**
Artist, SongwritingWith:Soldiers
- 11:00 am – 12:00 pm **Networking Lunch**
CAFETERIA
- 12:00 – 12:30 pm **Keynote: Massachusetts Government Leadership**
MAIN STAGE
- Yvonne Hao**
Executive Office of Economic Development, Commonwealth of Massachusetts
- 12:30 – 12:45 pm **Spotlight: Northeast Microelectronics Coalition (NEMC) Hub**
MAIN STAGE
- Ben Linville-Engler**
Acting Director, Northeast Microelectronics Coalition Hub, MassTech Collaborative

12:45 – 1:30 pm

Global Export Opportunities Panel

MAIN STAGE

Dr. Roman Hachkowski

Executive Industry Advisor, NASA Jet Propulsion Laboratory
President, NDIA New England Chapter
Moderator

Aron Haljaste

Chief ICT R&D Department, Estonian Defense and Aerospace Industry

Jim Paul

Director, Boston Office, US Commercial Service

Paula Murphy

Director, MAEC, Massachusetts Export Center

1:30 – 2:00 pm

S&T Innovation Program Perspectives

MAIN STAGE

Adam Freudberg

Senior Advisor for Innovation & Collaboration for USAF, Hanscom AFB

COL Riley Pyles, USAF

Deputy Director of USAF's Digital Directorate, Hanscom AFB

Lt Col Kate Stowe, USAFR

Global Cybersecurity Lead, Defense Innovation Unit (DIU)

Jeffrey 'Mando' Waye

Venture Portfolio, Propel Program Manager, National Security Innovation Network (NSIN)

2:00 – 2:30 pm

Networking Break

NEXUS CENTER

2:30 – 3:00 pm

Funding the Path Forward: Government Programs

MAIN STAGE

ML Mackey

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

Dr. Eric Forsythe

Program Manager, OSD NextFlex Flexible Hybrid Electronics Manufacturing Institute

Jon Lazar

Director, OSD Office of Innovation & Modernization

Brittany Sickler

Director of Investment & Innovation Ecosystems, U.S. Small Business Administration (SBA)

Matt Williams

Technology Portfolio Manager, Small Business and Technology Partnerships Office, Office of the Under Secretary of Defense for Research and Engineering (USD(R&E))

3:00 – 3:30 pm

Fireside Chat: Venture Capital for Defense Innovators

MAIN STAGE

Mary Kate Bell, NSIN

Regional Engagement Principal, National Security Innovation Network (NSIN)
Moderator

Maren Cattonar

Senior Strategic Advisor, BMNT

Tom Hendrix

Partner, Decisive Point

3:30 – 4:00 pm

Working with the Navy

MAIN STAGE

Arveice Washington

Deputy Director, Office of Small Business Programs, U.S. Navy

4:00 – 4:20 pm

Engaging Academia: Remarks from the Chancellor

MAIN STAGE

Dr. Julie Chen

Chancellor, UMass Lowell

4:20 – 4:30 pm

Closing Remarks

MAIN STAGE

ML Mackey

Chair, NDIA Small Business Division
CEO, Beacon Interactive Systems

Thursday, December 7

7:30 – 8:30 am

All times are in EDT

Networking Breakfast

NEXUS CENTER

8:30 – 11:30 am

OSD (R&E) Innovation & Modernization One-On-One Sessions

NEXUS CENTER

Jon Lazar

Director, OSD Innovation and Modernization

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.

Biographies



LtGen Francis L. Donovan, USMC

Vice Commander, U.S. Special Operations Command

LtGen Frank Donovan currently serves as Vice Commander, United States Special Operations Command.

An infantry, reconnaissance, and special operations officer, Donovan has led Marines and Sailors in all three Marine Expeditionary Forces to include commanding a Force Reconnaissance Platoon, Battalion Landing Team, Marine Expeditionary Unit, Marine Expeditionary Brigade, and a Marine Division. He also commanded a Naval Task Force in 5th Fleet (CTF 51) and 6th Fleet (CTF 61).

He has served in combat, contingency, and expeditionary operations at sea, from the sea and ashore.

Other command assignments include a Marine Corps Security Forces Detachment in Crete, Greece; a Fleet Anti-Terrorism Security Team (FAST) platoon; and a Recruiting Station in Eastern Pennsylvania. He also was Officer in Charge of a Special Operations Training Group; Executive Officer for Marine Corps Special Operations Command, Detachment One; and Director of the Expeditionary Warfare School.

Joint tours include service as the J35, United States Special Operations Command; Branch Chief, Joint Staff, J-5 Trans-regional Threats Coordination Center (T2C2); and Assisting Commanding General, Joint Special Operations Command.

Donovan holds a Bachelor of Arts in Geography from Towson University, a Master of Military Studies from the Marine Corps Command and Staff College, and a Master of Strategic Studies from the U.S. Army War College. He completed the Advanced Management Program (AMP) at Harvard Business School. Donovan and his wife Kim, a former Navy officer, have two children who are both active-duty U.S. Marines.



BG David Tyrbula, USA

Deputy Commanding General, DEVCOM, U.S. Army

BG David C. Trybula assumed the role of Deputy Commanding General of the U.S. Army Combat

Capabilities Development Command (DEVCOM) on June 8, 2021. In this role, Trybula leads DEVCOM's Data and Analytics Domain and serves as key champion for DEVCOM's international and domestic partnerships that underpin the Command's ability to innovate on behalf of the U.S. Army. He concurrently serves as the Senior Commander of the U.S. Army Natick Soldier Systems Center, located in Natick, MA.

Trybula entered the Army upon graduation from the United States Military Academy in 1989. He was commissioned as an Armor officer and served his company grade time in Armor and Cavalry units before receiving his functional area designation as an Operations Research Systems Analyst.

Trybula has served at the tactical, operational, and strategic levels. Over the last 10 years, he served in the following key assignments: Commanding General,

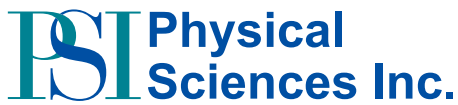
White Sands Missile Range NM and Deputy Commanding General, U.S. Army Test and Evaluation Command (ATEC) for Developmental Testing White Sands Missile Range, Deputy Chief of Staff for Army Futures Command Headquarters in Austin, TX; Strategic Initiatives Group Chief for the Under Secretary of the Army, Arlington, VA; Assistant Deputy Chief of Staff for Resources, Facilities, and Strategy, and Director, Prospective Clinical Analytics, U.S. Army Medical Command, Falls Church, VA; Director, Afghan Assessment Group, Headquarters, International Security Assistance Force, Kabul, Afghanistan; Senior Strategist and Executive Director, Army Science Board, Office of the Deputy Under Secretary of the Army, Arlington; Chief of Staff, Army National Cemeteries Program, Arlington National Cemetery, Arlington.

His two combat tours include Operation Desert Storm in Iraq and Operation Enduring Freedom in Afghanistan.

Trybula's civilian education includes a bachelor's degree from the United States Military Academy, and a master's degree and a doctorate in economics from the University of Texas at Austin.

Trybula's awards and decorations include the Office of the Secretary of Defense Identification Badge, the Army Staff Identification Badge, Defense Superior Service Medal, Legion of Merit (7 awards), Defense Meritorious Service Medal, Meritorious Service Medal (4 awards), Army Commendation Medal for Valor, Army Commendation medal (2 awards), Joint Service Achievement Medal, Army Achievement Medal (3 awards), National Defense Service Medal, Southwest Asia Service Medal, Afghanistan Campaign Medal, Global War on Terrorism Service Medal, International Security Assistance Force NATO Medal, Saudi Arabia Kuwait Liberation Medal, and the Kuwaiti Kuwait Liberation Medal. He is also a recipient of the Order of Saint George and an Honorary Member of the Order of Military Medical Merit.

Thank You to our Sponsors



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Physical Sciences Inc. (PSI) has provided integrated research and development services to deliver products and solutions to commercial and government customers since the SBIR program's inception. It is a 100% employee-owned company with a staff of 300, many with advanced degrees in fields such as chemistry, biology, physics, and materials sciences as well as electrical, aeronautical, and mechanical engineering. Its staff works closely with S&T organizations, acquisition offices, prime contractors, and commercial customers early in the development of technology solutions. Requirements, risk assessment and management, and capability development planning are initiated during SBIR Phase I proposal development and documented in roadmaps aligned with the platforms in which the technology will be inserted.

Interdisciplinary solutions are provided in fields such as advanced materials, combustion systems, electrochemistry, electro-mechanics, optoelectronics, medical imaging, and photonics. PSI has successfully transitioned advanced technologies to support missions of the Departments of Defense, Homeland Security, and Energy as well as NIH and NASA. Examples of fielded SBIR technologies include:

- Hand-held remote methane leak detectors used by thousands of utility inspectors,
- CBRN threat detection and identification systems used by law enforcement and border protection services in the US and Europe,
- Specialty Li-ion batteries for military systems,
- High temperature ceramic composites for aerodynamic leading edges and propulsion systems,
- Licensed retinal imaging technologies found in over 20,000 instruments world-wide, and
- Waste stream rare earth element recovery technology.

Production capabilities include Li-ion battery manufacturing, ceramic matrix composite processing, and advanced fixed site and mobile radiation detection and localization systems.



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Plan Ahead for Success | 2024 Featured Meetings, Conferences, and Events



38th Annual National Logistics Forum

February 6 – 7, 2024 | Oklahoma City, OK



2024 Munitions Executive Summit

March 19 – 20, 2024 | Parsippany-Troy Hills, NJ



Simulation & Training Community Forum 2024

April 24, 2024 | Dayton, OH



2024 Tactical Wheeled Vehicles Conference

February 26 – 28, 2024 | Charlotte, NC



2024 Human Systems Conference

March 21 – 22, 2024 | Arlington, VA



MODSIM World 2024

May 20 – 22, 2024 | Norfolk, VA



2024 Pacific Operational Science & Technology (POST) Conference

March 4 – 7, 2024** | Honolulu, HI



2024 Ronald Reagan Missile Defense Conference

April 16 – 17, 2024 | Washington, DC



Training & Simulation Industry Symposium (TSIS) 2024

June 12 – 13, 2024 | Orlando, FL



2024 Undersea Warfare Spring Conference

March 18 – 20, 2024* | San Diego, CA



DLA Supply Chain Alliance Conference & Exhibition

April 23 – 24, 2024 | Columbus, OH



2024 CBRN Defense Conference and Exhibition

June 24 – 26, 2024 | Baltimore, MD

*All Classified | **Partially Classified

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