

EMERGING TECH IN DEFENSE

DECEMBER 8, 2021

ARTIFICIAL INTELLIGENCE & AUTONOMY

Join representatives from the Department of Defense and the New England defense and innovation ecosystem for the opening event of the NEXUS Center for New Thinking in Defense at UMass Lowell Research Institute's Northstar Campus.

DECEMBER 8, 2021 | 8:30AM - 5:00PM

UMass Lowell Research Institute's Northstar Campus
55 Old Bedford Road | Lincoln, MA 01773

About the Event

The AI and Autonomy Workshop aims to highlight the transformative power of AI and autonomy in achieving mission outcomes while fostering collaborative relationships between New England's emerging tech companies and the Department of Defense.

[Register Here](#)

Event Sponsors



THE INNOVATION INSTITUTE
at the MassTech Collaborative



Agenda

8:30 - 9:00 | Registration

9:00 - 9:30 | Welcoming Remarks



Carolyn Kirk
Executive Director, Massachusetts Technology Collaborative



Brig. Gen. David C. Trybula
Deputy Commanding General, U.S. Army Combat Capabilities Development Command (DEVCOM); Senior Commander, U.S. Army Natick Soldier Systems Center



Michael Kennealy
Secretary, Massachusetts Executive Office of Housing & Economic Development



Julie Chen
Vice Chancellor for Research & Innovation, UMass Lowell

9:30 - 11:00 | The State of AI in the DoD (Part I)

Hear from Army, Navy, and Air Force representatives accelerating and integrating AI technology into operations through closer relationships with private sector enterprises, startups, universities, and research labs.



Matthew Ruden

Department of the Air Force (DAF) & MIT AI Accelerator



Dr. Keith Brawner

Senior Researcher and Project Manager, Simulation and Training Technology Center, U.S. Army Futures Command



Dr. Eugene Chabot

Naval Underwater Warfare Center

11:00 - 11:15 | Networking Break

11:15 - 12:45 | The State of AI in the DoD (Part II)



Thomas Kenney, SES

Chief Data Officer & Director, SOF AI, U.S. Special Operations Command (SOCOM)

Accelerating digital capabilities for the entire Special Operation Forces (SOF) enterprise through collaborative efforts with industry, academia, DoD, and other government agencies.



Ted Maciuba, P.E.

Deputy Director, Robotics Requirements, Maneuver Capability Development Integration Directorate, U.S. Army Futures Command

Army Robotics and AI at the Tactical Edge

12:45 - 1:30 | Lunch

1:30 - 3:15 | Partnering with DoD (Concurrent Breakout Sessions)

The Acquisition Process

1:30 - 2:00 | Tradewind Overview

Representatives from Tradewind, a non-FAR based contracting vehicle managed by IN3 for the Joint Artificial Intelligence Center (JAIC), will discuss their role as the contracting entity tasked with engaging emerging technology companies in a streamlined acquisition process to bring more AI applications to the DoD.

2:00 - 3:15 | Opportunities for industry to meet with Tradewind

Opportunity for companies to discuss their AI technology with representatives from Tradewind and explore pathways to partnering on DoD AI initiatives and becoming a DoD supplier.

The Research Process

1:30 - 2:15 | Applied Research Panel

Gain insights from Massachusetts' robust AI R&D ecosystem advancing the science, solving specific challenge problems, and facilitating commercial breakthroughs.

2:15 - 2:30 | Networking Break

Translating AI for Dual-Use Purposes

2:30 - 3:15 | Profiles in Innovation

Hear from companies who have successfully deployed AI solutions for both military and commercial uses.

3:15 - 3:30 | Networking Break

3:30 - 4:00 | Fireside Chat

The fireside chat is an opportunity to discuss the learnings from the day and will set the stage for future discussions around the cross-section of AI, cyber security, robotics, advanced manufacturing, microelectronics, biotech, and quantum computing for national security.



Michael Codega

Chief Technology Officer, U.S. Army DEVCOM Soldier Center



Matthew McSwain

Executive Director & Founder, UMass Lowell Research Institute

4:00 - 5:00 | Networking Reception

[Register Here](#)

About the NEXUS Center



The NEXUS Center for New Thinking in Defense is a unique defense innovation center located just outside Hanscom Air Force Base in Lincoln, MA, that connects a broad range of innovation and acquisition representatives from across the defense services with emerging technology companies building the next generation of dual-use technologies.

The NEXUS Center is operated by the [UMass Lowell Research Institute](#) at its [Northstar Campus](#) with support from the [Innovation Institute at the MassTech Collaborative](#) and [MassDevelopment](#).