



DEPARTMENT OF DEFENSE MANUFACTURING INNOVATION INSTITUTES

Quick Start Opportunity Guide for



Federal Agencies & State/Local Governments

Department of Defense Manufacturing Innovation Institutes (DoD MIIs) connect organizations and investments to enable the affordable, rapid transition of defense-essential technologies.

National and economic security rely on a robust domestic industrial base armed with the **advanced manufacturing** technologies needed to deliver critical products and systems rapidly and affordably. As adversarial threats increase, the United States must create the manufacturing capabilities needed to secure our economic foundations and modernize our military.

An innovative industrial base can only be accomplished through nationwide collaboration that fosters healthy, competitive technology networks.



This is where the DoD MIIs come in...

The DoD MIIs are game-changing catalysts that serve as a connective tissue uniting innovative industrial networks with emerging technology and market sectors in the U.S. Convening this network of visionaries enables the War Department to connect with the network needed to bring new technologies to U.S. warfighters.

- **2,200+ members** from the defense industry, commercial manufacturers of all sizes, universities, community colleges, and state/local economic developers
- **1,800+ projects** advancing manufacturing technologies
- **750+ projects** furthering workforce development

PARTNER UP TO ADVANCE YOUR MISSION

Each DoD MII creates a much-needed industrial commons that helps accelerate the delivery of promising technologies. These public-private partnerships are defense-relevant, industry-led, critical to our economy, and positioned to deliver value to you and our nation.



INDUSTRY ACCESS

- ✓ *Hone expertise and engage with industry, academia, and non-traditional organizations*
- ✓ *Identify domestic sources for components and materials*
- ✓ *Increase state, local preeminence through network expansion*
- ✓ *Leverage institute convening power for regional impact*
- ✓ *Support small business mentoring and growth*



SOLVE MISSION CHALLENGES

- ✓ *Sponsor government-directed projects to meet mission needs*
- ✓ *Access rapid, flexible contracting*
- ✓ *Advance from prototype to pilot-scale production*
- ✓ *Apply new manufacturing processes to reduce cycle time*
- ✓ *Utilize tools to support legacy systems*
- ✓ *Reduce risk in transition (example: Programs of Record)*



GROW THE WORKFORCE

- ✓ *Participate in institute and member-led training programs*
- ✓ *Promote manufacturing jobs*
- ✓ *Deliver unique opportunities for regional students, leveraging relationships with community colleges and universities*

Interested?

- 1) Use the back of this flyer to identify the institute and technology space best aligned to your office or program.
- 2) Visit their website to explore all the opportunities and resources available through the institute.
- 3) If you are interested in exploring opportunities to engage, email the point of contact on the back of this flyer.



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Office of the Secretary of War
Under Secretary of War for Research and Engineering

For more information visit www.DoDManTech.mil | www.ManufacturingUSA.com



America Makes: National Additive Manufacturing Innovation Institute



Youngstown, OH | www.americamakes.us | Established 2012

America Makes strengthens U.S. capabilities in 3D printing and additive manufacturing
CONNECT | Robyn Vialva, Government Program Manager: robyn.vialva.1@us.af.mil



Manufacturing x Digital: Digital Manufacturing and Cybersecurity Institute



Chicago, IL | www.mxdusa.org | Established 2014

MxD drives digital adoption in manufacturing
CONNECT | Anthony Holden, Government Program Manager: anthony.r.holden.civ@army.mil



LIFT: National Advanced Materials Manufacturing Innovation Institute



Detroit, MI | lift.technology | Established 2014

LIFT connects materials, processes, systems, and talent
CONNECT | Carrie Davis, Government Program Manager: carrie.e.davis.civ@us.navy.mil



AIM Photonics: American Institute for Manufacturing Integrated Photonics



Albany & Rochester, NY | www.aimphotonics.com | Established 2015

AIM Photonics shapes development of the photonic integrated circuit industry
CONNECT | Nick Usechak, Government Program Manager: nicholas.usechak@us.af.mil



NextFlex: America's Hybrid Electronics Institute



San Jose, CA | www.nextflex.us | Established 2015

NexFlex innovates electronic packaging and printing to produce hybrid electronic products
CONNECT | Jeff Bergman, Government Program Manager: jeffrey.bergman.1@us.af.mil



BioFabUSA: Advanced Regenerative Manufacturing Institute



Manchester, NH | armiusa.org | Established 2016

BioFabUSA enables the scalable, consistent, cost-effective manufacturing of cell-based therapies
CONNECT | Lloyd Rose, Government Program Manager: lloyd.f.rose2.civ@health.mil



The ARM Institute: Advanced Robotics for Manufacturing



Pittsburgh, PA | www.arminstitute.org | Established 2017

The ARM Institute advances smart, collaborative robotics
CONNECT | Mike Hollis, Government Program Manager: michael.s.hollis2.civ@army.mil



BioMADE: Bioindustrial Manufacturing and Design



Twin Cities, MN & Emeryville, CA | www.biomade.org | Established 2020

BioMADE builds a sustainable, domestic end-to-end bioindustrial manufacturing networks
CONNECT | Sam Lewis, Liaison Officer: samantha.e.lewis6.ctr@mail.mil

