



Department of War

Manufacturing Innovation Institutes

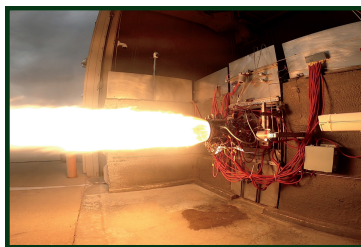
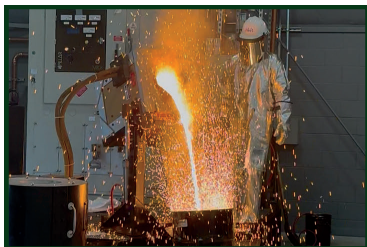


Quick Start Guide for Industry and Academic Partners

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

National and economic security rely on a robust American industrial base armed with the **advanced manufacturing** technologies needed to deliver critical products and systems rapidly and affordably. As adversarial threats increase, America 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 DoW MIIs come in...

The DoW 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 DoW 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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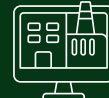
Manufacturing Innovation Institutes



Under Secretary of War for Research and Engineering
For more information visit www.DoDManTech.mil



AMERICA MAKES: THE NATIONAL ADDITIVE MANUFACTURING INNOVATION INSTITUTE



MANUFACTURING TIMES DIGITAL (MxD): DIGITAL MANUFACTURING AND CYBERSECURITY INSTITUTE

Youngstown, OH | www.americamakes.us

Strengthens U.S. capabilities in 3D printing, additive manufacturing

CONNECT | Robyn Vialva: robyn.vialva.1@us.af.mil

Chicago, IL | www.mxdusa.org

Drives digital adoption in manufacturing to strengthen U.S. economic prosperity & national security

CONNECT | Anthony Holden: anthony.r.holden.civ@army.mil



LIFT: NATIONAL ADVANCED MATERIALS AND MANUFACTURING INNOVATION INSTITUTE



AIM PHOTONICS: AMERICAN INSTITUTE FOR MANUFACTURING INTEGRATED PHOTONICS

Detroit, MI | lift.technology

Connects materials, processes, systems, and talent

CONNECT | Carrie Davis: carrie.e.davis.civ@us.navy.mil

Albany & Rochester, NY | www.aimphotonics.com

Shapes development of the photonic integrated circuit industry

CONNECT | Nick Usechak: nicholas.usechak@us.af.mil



NEXTFLEX: AMERICA'S HYBRID ELECTRONICS INSTITUTE



BIOFABUSA: ADVANCED TISSUE BIOFABRICATION INSTITUTE

San Jose, CA | www.nextflex.us

Innovates electronic packaging and printing to produce hybrid electronic products

CONNECT | Jeffrey Bergman: jeffrey.bergman.1@us.af.mil

Manchester, NH | armiusa.org

Enables the scalable, consistent, cost-effective manufacturing of cell-based therapies

CONNECT | Lloyd Rose: lloyd.f.rose2.civ@health.mil



THE ARM INSTITUTE: ADVANCED ROBOTICS FOR MANUFACTURING



BIOMADE: BIOINDUSTRIAL MANUFACTURING AND DESIGN INSTITUTE

Pittsburgh, PA | www.arminstitute.org

Advances smart, collaborative robotics and automation

CONNECT | Mike Hollis: michael.s.hollis2.civ@army.mil

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

Builds a sustainable, domestic end-to-end bioindustrial manufacturing network

CONNECT | Beverly McKeel: beverly.j.mckeel.civ@us.navy.mil



FUTURETEX: THE TEXTILES FUTURE INSTITUTE



Don't know where to start?

Belmont, NC | www.futuretex.org

Accelerates the manufacturing of high-performance textiles

CONNECT | Jeff Pacuska: jeffrey.s.pacuska.civ@army.mil

Contact MicKenzie Frith, DoW MII Executive Secretary:

mickenzie.r.frith.ctr@mail.mil