

# cdmHUB News Letter

## Purdue/Indiana Composites Industry Day

Issue 0

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We welcome Industries in Indiana or with interests in Indiana to attend a workshop to explore the assets and competencies of the Composites Manufacturing Simulation Center (CMSC) to enhance businesses and enterprises in the field of composites design, manufacturing, and product development. Please register. All are welcome!

OCTOBER 12, 2023

# INDIANA COMPOSITES INDUSTRY DAY

## Indiana Manufacturing Institute, Purdue University

We welcome Industries in Indiana or with interests in Indiana to attend a workshop to explore the assets and competencies of the Composites Manufacturing Simulation Center (CMSC) to enhance businesses and enterprises in the field of composites design, manufacturing, and product development. Indiana Economic Development Corporation has provided matching funds for qualifying industry projects to expand business in the State of Indiana. We envision a future where integrated models will replace documents in design and manufacturing and where technical competencies can simultaneously participate in contributing the knowledge required for high-rate decisions via model-based engineering. Join us on October 12 to learn about collaboration opportunities to develop that future.

The Composites Manufacturing and Simulation Center (CMSC) hosts experts in composites manufacturing, simulation, and characterization. We advance composites manufacturing science and simulation technology to enrich simulation-based design and manufacturing decisions for industry and government partners through research, engineering design and manufacturing.



**CMSC**

COMPOSITES MANUFACTURING  
& SIMULATION CENTER



#### Agenda Items

- The future of composites manufacturing and simulation
- Tour Manufacturing Process Facilities and Virtual Twins
- State of Indiana matching funds
- Mechanisms for project collaboration

#### Technical Topics

- Large Scale Composites Additive Manufacturing
- Mold Compensation for Shape Change
- Composite Product Post Manufacture Distortion
- Hybrid Molding with Continuous and Discontinuous Fibers
- Upcycling for Enhanced Products from Recycled Composites
- Composite Materials Property Prediction and Testing
- Artificial Intelligence in Composites Manufacturing
- Manufacturing Process Facilities and Virtual Twins:
  - Additive Manufacturing (ADDITIVE3D)
  - Compression Molding (FLOW3D)
  - Stamp Forming (FORM3D)
  - Injection Molding (Moldex3D)
  - Resin Transfer Molding (RTM3D)

Register and find more information, including agenda at <http://bit.ly/icidw>



EA/ECU

