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The Center for e-Design



A National Science Foundation Industry/University Cooperative Research Center

## RESEARCH

### Welcome from the center director

Dear friends and colleagues,

Welcome to the summer 2018 issue of the Center for e-Design Newsletter. As you may know, the Center has a productive and active history dating back to 2003 when the Center was first established. We currently have seven research sites and thirty industry members. >>



### Penn State site holds inaugural industry open house

The Harold and Inge Marcus Department of Industrial and Manufacturing Engineering ([IME](#)) at Penn State held its first Industry Open House on April 25, 2018. Industry members were invited to learn about the many ways to engage with the IME department's students and faculty, dedicated to bridging research to practice. >>

### Penn State Researchers receive \$535K to manufacture metal parts for naval applications

Penn State researchers have received more than \$535,000 to install a state-of-the-art "super-finishing lab" for 3D-printed metal parts. The new lab will complement the existing subtractive processing technology in the Factory for Advanced Manufacturing Education Lab within the Harold and Inge Marcus Department of Industrial and Manufacturing Engineering. >>

## Wayne State partners with Cisco to accelerate digital manufacturing

Wayne State University has partnered with Cisco Systems to develop a digital manufacturing center within the College of Engineering - one of several investments Cisco is making in Michigan as part of the State Digital Acceleration initiative. >>

## Twenty-First Century Mosaics: UMass experts improve manufacturing innovation for Artaic

The University of Massachusetts-Amherst partnered with member-company Artaic to collaborate on original research. While Artaic has reduced shipping costs, lowered lead times, and increased financial gains, students have gained real-world experience with an innovative Massachusetts business. >>

## NEW MEMBERS

### The Center would like to welcome the following new industry members/partners in 2018:

- [Daimler Trucks](#) (Oregon State)
- [Permobil](#) (Oregon State)
- [Rockwell Collins](#) (Iowa State)
- [NuForj](#) (Penn State)
- [The Innovation Machine](#) (Penn State)
- [Wenzel](#) (Wayne State)

## MEMBER SPOTLIGHT



### Welcome New Industry Advisory Board Chair

The Center for e-Design would like to welcome and thank Paul Mittan for serving as the Industry Advisory Board (IAB) Chair. Paul is a project engineering manager for Lockheed Martin Rotary and Mission Systems. Lockheed Martin is also an active member in the Center.

"At [Lockheed Martin](#), we value partnerships across academia and industry to develop solutions for the most pressing challenges facing our customers," he said. "Working with the Center for e-Design, we're excited to advance innovation in design, manufacturing and big data analytics."

Thank you, Bill Tice, past-IAB chair, for your membership, service to the IAB, and outstanding support and advocacy for the Center for e-Design. Tice is the director of modernization and innovation for integrated defense systems operations at [Raytheon](#).

# CALENDAR

## OCTOBER 2-4

Fall Industrial Advisory Board Meeting

Hosted by UMASS-Amherst and Raytheon  
Details Provided Soon!

Academic partners include: Brigham Young University, Iowa State University, Oregon State University, Penn State, University at Buffalo, University of Massachusetts-Amherst, and Wayne State University



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