

# Michigan Tech

OFFICE OF INNOVATION  
AND INDUSTRY ENGAGEMENT  
eNEWSWIRE



Welcome to Michigan Technological University's **Office of Innovation and Industry Engagement (IIE) eNewswire**. This periodic briefing provides an update on University recruiting, research, licensing, and professional development news and programs of interest to industry stakeholders.

The mission of the IIE *eNewswire* is to create awareness of University programs and resources that will help companies and industry achieve their strategic goals. Together, through strong partnerships with industry, Michigan Tech students, faculty, and staff will create the future.

## Featured Partner

## General Motors



In an effort to expand student competencies related to the automotive industry, the General Motors Foundation, a long-time supporter of Michigan Technological University, has awarded the University a \$110,000 grant through its University/Organization Partner Program.

A significant portion of the GM Foundation grant will establish a new manufacturing engineering initiative. The grant will also provide continuing support for a variety of student activities, including the Advanced Hybrid Electric Vehicle and Advanced Motorsports Enterprises, pre-college STEM outreach, underrepresented student groups and diversity programs. →

[Read More...](#)

## Highlights

**Winter Carnival  
February 3rd-5th, 2016**



Thank you to everyone who helped make this years **Winter Carnival** great!

## Featured Event



## Design Expo

Save the Date! Michigan Tech's Design Expo is scheduled for Thursday, April 14th from 8am to 4pm in the Michigan Tech Memorial Union Ballroom. As in past years, we need industry professionals to serve as Design Expo judges. If you are available to judge, please contact [Rick Berkey](#) or [Joe Thompson](#) or [RSVP online here](#). Your feedback at the event is greatly valued by our student teams and makes a valuable contribution to their education. We hope to see you there! → [Read More...](#)

## Featured Research



## Research with Heart: Making Wheelchair Exercise Equipment More Accessible and Adjustable

Regular exercise is important for maintaining health, especially for wheelchair users. However, exercise equipment to be used with a wheelchair is not always readily accessible, adjustable or effective. A team of mechanical engineering, kinesiology, and physical therapy students are collaborating on developing new exercise equipment for wheelchair users. Dr. Steven Elmer leads the team, which is working to bridge the gap between engineering and rehabilitation. → [Read More...](#)

## Featured Researcher



## Tim Havens

To detect buried explosive hazards in places like Afghanistan and to save the lives of civilians and US soldiers, Michigan Tech researcher Tim Havens realizes it requires a team: a team of sensors.

A new \$983,000 research project, "Heterogeneous Multisensor Buried Target Detection Using Spatiotemporal Feature Learning," will look at how forward-looking ground-penetrating radar, LiDAR, and video sensors can be combined synergistically to see into the ground, capture high-quality images, and automatically notify the operator of threats. → [Read More...](#)

## Featured Program

## Michigan Tech Students are Learning Lean

I glanced at the caller ID as I answered the phone, but I didn't recognize the number. The man on the other end introduced himself. He was the president of a small manufacturing plant in Michigan, and he was looking for an engineering intern with a background in manufacturing and Lean experience to manage a Lean project next summer. Could we help him? Yes!



## Student Events

**April 8th, 2016**

Consumer Product Day

**April 18th, 2016**

Design Expo

**April 30th, 2016**

Commencement

Click [here](#) for full Career Services schedule

## Mind Trekkers. . . in a town near you!

**March 10-11, 2016**

Adventures in STEM  
- Houston, TX

**March 22, 2016**

NSBE Conference - Boston,  
MA

**April 16-17, 2016**

USA Science & Engineering  
Festival - Washington, D.C.

**May 6, 2016**

Exploration Station - Sault  
Ste. Marie, MI

Click [here](#) for full schedule

## Quick Links

- [www.mtu.edu/industry](http://www.mtu.edu/industry)
- [www.mtu.edu](http://www.mtu.edu)

Blogs

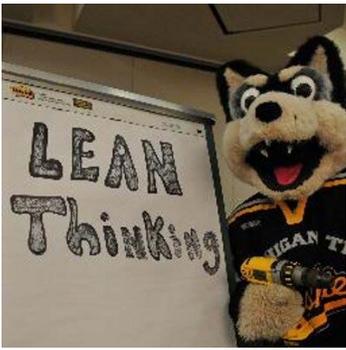
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The Office of Continuous Improvement at Michigan Tech is creating an immersive environment for our students to learn about Lean, to the mutual benefit of the university, students, employers, and the local community. → [Read More...](#)

For details or questions regarding content in this *eNewswire* or partnership with Michigan Tech, please contact us at [industry@mtu.edu](mailto:industry@mtu.edu) or 906-487-3456. Click [here](#) to view the Office of Innovation and Industry Engagement and Industry Relations staff listing.

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