

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

Jackson National Life Insurance Company

JACKSON[®]

A strong partnership between Michigan Tech and Jackson, a Lansing, MI based financial services company, began like most university-corporate partnerships, a desire to find the best and brightest talent. Jackson's need for innovative, creative, and problem solving computer science and programming skills led them to Houghton. The new Jackson hires from Michigan Tech succeeded so well that Jackson sought to cement their new found talent pipeline by creating a branch office in Houghton's SmartZone. → [Read More...](#)

Featured Program

Industry Days

Highlights

**Graduation
December 19th, 2015**



Michigan Tech is honored to recognize this year's midyear commencement graduates. We would like to congratulate the 160 graduates and 340 undergraduates.



The variety of employment options for students is greater than it has ever been before. In order to help students learn about careers and "find their fit", Career Services has partnered with Student Organizations and Academic Departments to create "Industry Days." These fun, informal, events are an excellent chance for students to Network, Discover, Create, and Explore a range of industries, companies, and careers before the Career Fair. → [Read More...](#)

Featured Research

Thyroid Cancer Biomarker Assays May Show Inaccurate Readings



Protein biomarkers are used to test for cancer before and after surgeries to remove tumors. To test thyroid malignancy, many biomarkers are tested separately to confirm cancer. However, new research from Michigan Technological University shows that the detection tests that measure two major biomarkers to diagnose thyroid cancer may be inaccurate. → [Read More...](#)

Featured Faculty

Lynn Mazzoleni Leads a Team to Bring a New High-Resolution Spectrometer to Campus



Air is not just air. It's not just a sterile, preset mix of oxygen, hydrogen, carbon dioxide and other molecules. As an atmospheric chemist, Lynn Mazzoleni knows air is dynamic and full of soot, sulfates, dust and other particles. Now, with a new piece of equipment, she can analyze complex aerosol samples and how their chemistry affects cloud formation.

Mazzoleni is an associate professor of chemistry at Michigan Technological University and a Fulbright Scholar awardee. → [Read More...](#)

Featured Award

Three C Goes 3-D: Enterprise Team's Recycling Plan Earns Ford College Community Challenge Award



The Open Source Hardware Enterprise team members are using filament made from relatively uncommon poly-lactic acid (PLA) plastic. A one-kilogram reel runs about \$30. But now, thanks to a \$25,000 Ford College Community Challenge (Ford C3) grant there may soon be cheaper, more readily available printer filament on campus and in the community. → [Read More...](#)

Featured Technology

White Carbon Materials for Advanced Heat Management



Career Services Events

January 19th-22nd, 2016

Medical Careers Week

February 8th-12th, 2016

Mock Interview Week

February 16th, 2016

Spring Career Fair

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

Mind Trekkers. . . in a town near you!

February 11-12, 2016

NWTC Science and Engineering Festival - Green Bay, WI

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

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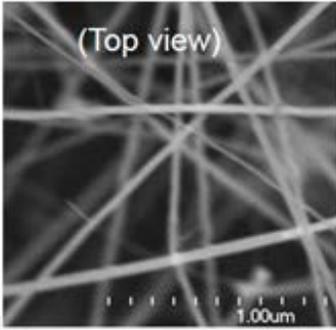
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Dr. Yoke Khin Yap, professor of Physics at Michigan Technological University (Michigan Tech), has invented a novel class of boron nitride (BN) nanomaterials for advanced heat management. BN phases are structurally similar to those of carbon solids. We have hexagonal phase-BN (h-BN), cubic phase-BN (c-BN), BN nanotubes (BNNTs), BN nanosheets (BNNSs, mono- and few-layered h-BN sheets). These BN structures are analogous to graphite, diamonds, carbon nanotubes (CNTs), and graphene, respectively [1]. Therefore, BN materials can be referred to as "white carbon" as they are white in appearance due to their large band gap (-6eV). → [Read More...](#)

For details or questions regarding content in this *eNewswire* or partnership with Michigan Tech, please contact us at industry@mtu.edu or 906-487-1208. Click [here](#) to view the Office of Innovation and Industry Engagement and Industry Relations staff listing.

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