



TEAM **M** MSE

More news for you to use.

Starting this week, in addition to keeping you up to date on campus Covid news, we are expanding our coverage to include important MSE research highlights and upcoming events. The campus streets and sidewalks may be quiet right now, but our department and research labs are busier than ever, so let's get to it...

Campus COVID Status

Off-campus testing data reason behind last week's jump in cases

Last Thursday, Sept. 24, U-M reported a significant increase in positive cases, but that was *mainly because the data included students tested at off-campus facilities*. The U-M COVID-19 dashboard now reflects new datasets, including outside testing from Washtenaw County. The majority of the cases stem from clusters involving students living in off-campus, congregate residences. U-M reported no new clusters within the residence halls. All known positive cases and close contacts have been moved into quarantine and isolation.

Note that to our knowledge, there are NO positive cases in MSE labs.

[Click here to access U-M COVID-19 Dashboard](#)

Feeling sick?

It is very important that U-M students who feel ill or are concerned about possibly having contracted COVID-19 get their testing done [through UHS](#). It's fast and easy.

Rackham planning for extended time to degree

Due to disruptions caused by the pandemic, Rackham has [created a process](#) to address the need for doctoral programs to offer some students additional time and funding to complete their degree programs.

Rec facilities reopening this week with modifications

Three campus recreation facilities opened yesterday (Sept. 28) after being closed for six months. A number of changes have been made to ensure the safety and cleanliness of the spaces, including: Students and members will be required to make reservations to work out, face coverings will be required while working out, and facilities will be operating at decreased capacities and hours to allow for increased cleaning during the day.

[Read more here.](#)

RESEARCH HIGHLIGHTS

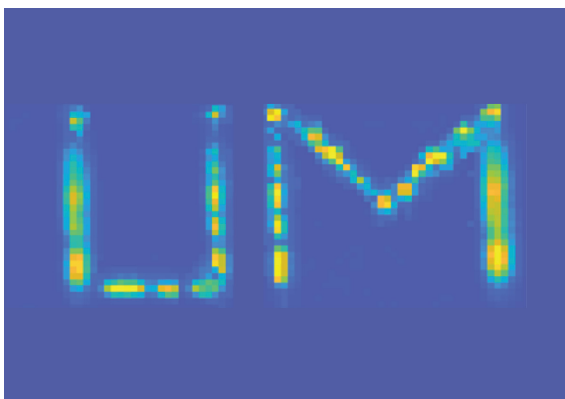


Team receives \$2M from NSF

A cross-disciplinary team, led by MSE Professor Max Shtein, recently received a \$2 million grant from NSF for a personalized medicine project that seeks to make telemedicine better and dramatically less expensive than current in-person medicine. [Read more.](#)

An interview with Yiyang Li

MSE's newest faculty member, Assistant Professor Yiyang Li, recently published a paper, "[Filament-Free Bulk Resistive Memory Enables Deterministic Analogue Switching](#)," in *Advanced Materials*. We asked Prof. Li about his research and background, including why he chose to come to U-M. [Read the Q&A here.](#)



Self-erasing chips (video)

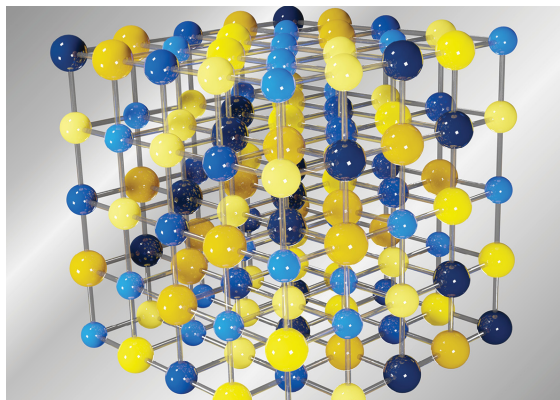
The Kim lab, in conjunction with EECS' Daotare lab, is developing self-erasing chips, which could help stop counterfeit electronics. The chips are built from a three-atom-thick layer of semiconductor laid atop a thin film of molecules based on azobenzenes. [Read the story/watch the video.](#)

Researchers discover new class of materials

The Kioupakis and Poudeu groups collaborated on a recently published paper

on the theoretical prediction and experimental discovery of a new class of entropy stabilizing materials.

[Read more here.](#)



IN THE NEWS



Last week Professor Rick Laine was quoted in a CNN.com story about the prospect of using solid-state technology in Teslas. [Check out the story here.](#)

MSE EVENTS

Town Halls for Undergrads and PhDs today and tomorrow!

Undergrads: Tuesday, 9/29/2020 at 5:00-6:00 p.m.

<https://umich.zoom.us/j/94475753366>

Passcode: MSEUND2020

Anonymous question submission for Undergrad Town Hall: [LINK](#)

PhDs: Wednesday, 9/30/2020 3:00-4:00 p.m.

umich.zoom.us/j/93990474442

Passcode: MSEPHD2020

Anonymous question submission for PhD Town Hall: [LINK](#)

Note that these meetings will NOT be recorded due to the sensitivity of some of the questions. However, GSC and MMS will have meeting notes that will summarize the main discussion topic for students if they wish to read them. ***We also ask that you only attend the meeting for your cohort! Also, please only submit questions to the form associated with your cohort.***

2020 MSE Career Fair wrap-up

Last week's virtual Career Fair drew 15 potential employers. Said organizers Allison Marozza and Wes Fermanich: "We had a great turnout from both MSE students and representatives from a vast array of industries, laboratories, and research opportunities. We hope this event continues to grow and connect students with employers in future years!"



Friday's seminar speaker: U-M NERS Prof Kevin Field

Associate Professor Field will present "Development of novel high throughput alloy design strategies for steels in extreme environments via additive manufacturing" this Friday, Oct. 2 at 10:30 a.m. The Zoom link is <https://umich.zoom.us/j/99712511583>, password: 780012.

This Friday's MMS Luncheon: Lam Research

Nerissa Draeger from Lam Research is going to join us and discuss her career experience and the semiconductor industry as a whole. Students who attend will be eligible to win a \$15 GrubHub coupon! Here is the [link](#) to the meeting. Hope to see you there!



GO VOTE, GO BLUE!



We need your vote!

U-M is participating in the [Big Ten Voting Challenge](#). This is a non-partisan effort to increase student voter participation in all elections. The average student voter rate across the Big Ten Conference spiked to 43 percent for the 2018 midterm elections, surpassing the national average student voting rate of 40 percent, and more than doubling the national student voting rate of 19 percent in 2014. The goal is to increase U-M student voter turnout even more for this upcoming election.

[CLICK HERE](#) for important information about the Nov. 3 election



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