



TEAM **M** MSE

Help for your election fatigue

Whew - last week was exhausting! Now that it's over, we have some advice from the Michigan Engineering C.A.R.E. Center on how to de-stress, and, to start us off on a fun note, we have a game show surprise! So, deep breath...

Questions, comments or ideas for TeamMSE? Contact Kristen at krisfres@umich.edu.

We'd love to hear from you!

MSE on *Jeopardy!*

USING HYDROGELS,
SCIENTISTS ACHIEVED
THEIR GOAL OF
CREATING RUDIMENTARY
VERSIONS OF THE
CHARGED ORGANS IN
THESE MARINE ANIMALS

This question, which aired on *Jeopardy!* September 21, was based on MSE Professor Max Shtein team's research! The Shtein group were coauthors on the study. To learn more about their hydrogels research (and to find the correct response), click [here](#).

Campus COVID Status



Winter 2021 plans include more testing, lower dorm occupancy

On Friday, U-M President Schlissel announced the plans for next semester, which begins January 19, 2021. Highlights include:

- Testing capacity will be increased, with mandatory weekly testing for undergraduates who live on campus or attend in-person classes or activities, perform research, use facilities or work on campus.
- The current approach to instruction will continue, with more courses offered remotely where possible, while still maintaining other formats when needed.
- Undergraduate students who don't need to live in residence halls should remain at their permanent residences for the semester to reduce density in U-M residence halls.
- A strict, no-tolerance approach to enforcing COVID-19-related policies will be taken.
- Expanded services for mental health, scheduled "well-being breaks" and campus recreational sports facilities will be available to the U-M community.

[Read the full plan.](#)

[Watch the Nov. 6 briefing with Pres. Schlissel](#)

[Click here for U-M's COVID-19 Dashboard](#)

The election may be over, but is your stress?

Whether it's lingering stress from the crazy election week last week or just life in 2020, the Michigan Engineering C.A.R.E. Center recommends putting a self-care plan in place to boost your mental health and get those out-of-whack hormones back in balance. As a

starting point, they offer these [31 tips](#). Always remember, [asking for help is a strength, not a weakness](#).

If you're not feeling well

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.

Faculty News & Recognition

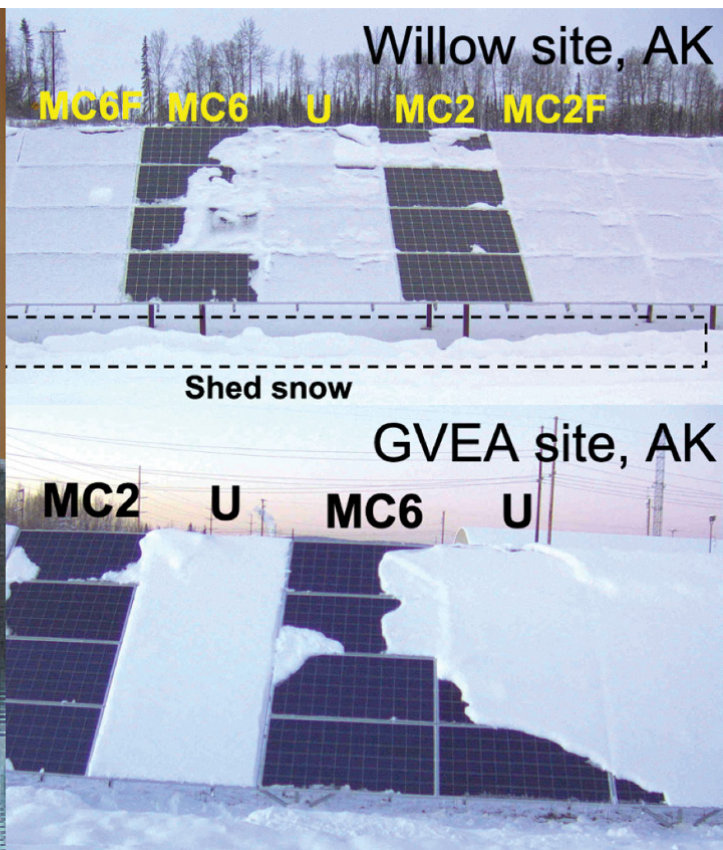


Thornton receives Julia & Johannes Educator Award

Professor Katsuyo Thornton has been named the 2021 recipient of TMS' Julia & Johannes Weertman Educator Award, given for notable contributions to education in metallurgical engineering and/or materials science & engineering.

Research Highlights

Three Tuteja projects receive combined \$8.8M in government funding



Associate Professor Anish Tuteja's lab is a partner in three different projects that have recently received significant government funding: "Understanding the Principles of Solid Shedding Surfaces" (ONR), "High value products from organic waste streams through an integrated process" (DOE), and "Snow as a Factor in Photovoltaic Performance and Reliability" (DOE). [Read more.](#)

Upcoming Events



Seminar speaker this Friday: ME's Ashley Bucsek

ME Assistant Professor Ashley Bucsek will present "Probing Phase Transformations and Twinning Across Length Scales Using 3D X-ray Microscopy" this **Friday, Nov. 13, at 10:30 a.m.** Zoom link:

<https://umich.zoom.us/j/96649890510>

Passcode: 441312

MMS webinar this Friday: Entegris

Jim O'Neill, CTO of Entegris, will be speaking at our weekly MMS Luncheon this **Friday, Nov. 13** at 11:30 am. Entegris, Inc. is a provider of products and systems that purify, protect, and transport critical materials used in the semiconductor device fabrication process. Our raffle for two \$15 Grubhub coupons will be on again, so be sure to come by! Zoom link: <https://umich.zoom.us/j/99067740746>

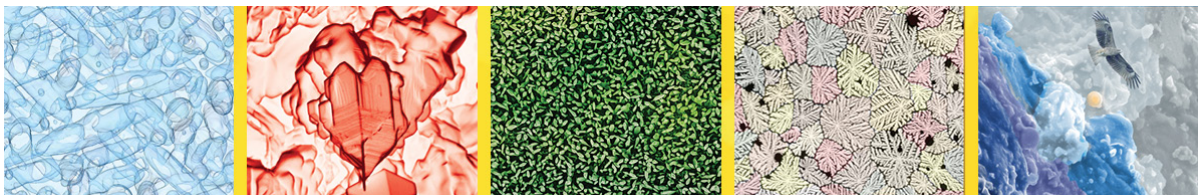


MRS Virtual Conference

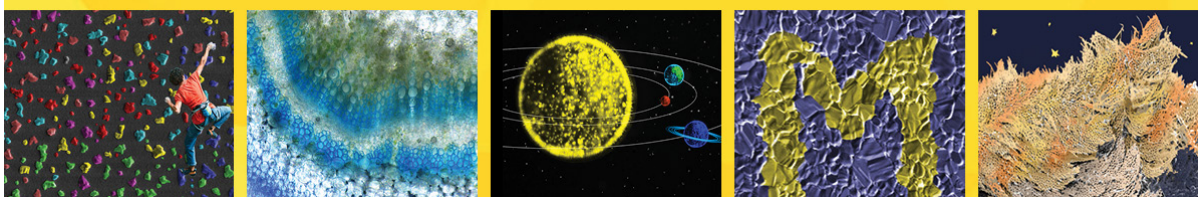
The Materials Research Society (MRS) virtual conference, Nov. 27-Dec. 4, is open to students to attend. Click [here](#) for registration information.



Deadline extended to Monday, November 16!



It's time for the 2021 MSE Calendar image contest!



We're looking for some cool, creative "science as art" images to use in a variety of MSE marketing materials, including our 2021 calendar! Please submit your images (with explanatory caption and advisor/course name) to Kristen: **krisfres@umich.edu** by **Monday, Nov. 16**. If we pick your image, you will win \$100! High-resolution images only. ALL MSE students and postdocs are welcome to participate BUT, please note: *Submissions must be based on research conducted at U-M*. Click [here](#) to check out last year's calendar winners.



MSE faculty briefed on changes to Title IX policies/procedures

On October 29, the U-M Office of Institutional Equity (OIE) updated MSE faculty on recent changes to the federal Title IX program that went into effect August 14.

One of the most significant changes is the new federal regulations having a more narrow

definition for sexual harassment. Rather than the previous definition, which said sexual harassment is conduct that is “severe, persistent, or pervasive,” the new definition says it is conduct which is so “severe and pervasive and objectively offensive that it effectively denies a person equal access to education.”

The new University policy includes a definition of Title IX regulations to meet federal regulations, as well as a broader definition that includes sexual and gender-based misconduct outside of federal regulations. It also includes two separate procedures for staff, faculty and third parties, depending on which definition the allegation falls under.

The policy also retained reporting obligations, despite federal regulations removing references and requirements related to responsible employees. Individuals with reporting obligations are identified and obligated to report information regarding prohibited conduct to the Office of Institutional Equity.

For students, new federal regulations also require that cross examinations be held by a student’s adviser. These advisers can be outside attorneys provided by the University for students who need them.

DEI Student Allies Mailbox

New for students! Share your feedback on the DEI program and/or ask the DEI student allies questions: <https://forms.gle/98uKGHPbcAMzCF3B7>

Bladesmithing team in action

As we reported last week, the Bladesmithing team won the IMS 2020 International Metallographic Contest. Over the weekend, members got together at the Yozakura Forge in Brighton, Mich., where they perform their forging activities before conducting analyses in the Van Vlack Lab.





Jack Eilers uses the angle grinder to remove scale off the billet.



Grant Saxman heats the billet to be used in the hydraulic press afterward as Jeff Tschirhart and Alex Shaw look on.



Members of the IMS contest: Karen Ni, Aidan Charmley, Jeff Tschirhart and Jack Eilers.

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