

Happy Spring!

Lots of important event, graduation and student news to share in today's issue!

Our next issue of TeamMSE will be published on Monday, April 4. If you have information you'd like to share with the community, please email **Kristen Freshley** at krisfres@umich.edu by Sunday, April 3. Happy reading!



Gillian James, Elliott Gorishek, and Dakota Thies, all MSE juniors, work on homework in Dow 2017, a new work space now open for students to use.



For the past five Saturdays, members of the Detroit-Area Pre-College Engineering Program (DAPCEP) have been conducting hands-on experiments with the Shahani group in the Van Vlack Lab. Last Saturday, March 12, they took a field trip to UMMA to check out the materials tour created by our own MSE outreach team last year. Check out more DAPCEP photos here.

The Latest Covid News

Here's what you need to know in regard to the latest campus Covid news:

Change in indoor masking policy

As of March 14, masking is optional in most indoor spaces on campus, including in offices, residence halls and at athletic events. Masks will remain required in classrooms and other instructional spaces, campus buses and in campus COVID-19 testing sites at least through the end of the winter term. The following guidelines are also in effect:

- The <u>U-M COVID-19 vaccination policy</u> remains in effect for the university community.
- It is expected that all individuals in the U-M community and guests stay home when they are not feeling well (do not attend work, class, gatherings and events).
- Individuals are expected to continue to use ResponsiBLUE as a daily symptom checker
- In-person gatherings and events may occur and food/drink can be provided.
- Individuals attending indoor athletic events will no longer need to show proof of vaccination or a negative test.

Upcoming MSE events

MMS/AIChE Trivia Night Social Event - March 24

Thursday, March 24 7-9:00 p.m., East Hall 1084

Do you like trivia? Food? Prizes?

MMS and AIChE are teaming up to put on a free trivia event! It's time to find out which major in the DOW building is the best!! The winners will receive prizes and food will be provided! Interested? Fill out our interest form here.



GSC Mentoring Clay Sculpting Event March 24

Join the MSE mentorship for this month's event: Clay Sculpting. Come show off your creativity and de-stress. There will be snacks and drinks! The event will take place **Thursday, March 24 from 4:30-6:00 p.m. in GGBL 1571**. RSVP <u>here</u>.

MMS Luncheon this week: MSE Townhall



Friday, March 25 12:30-1:30 p.m., 1013 Dow

MMS will be hosting a Townhall with the Department Chair, Amit Misra, and UG Program Advisor, Steve Yalisove. This is a great opportunity to bring up your ideas in an open forum. This event is intended for declared MSE undergrads; boxed lunches will be provided for those who registered.

Seminar Speaker for March 25: Maria Chan of

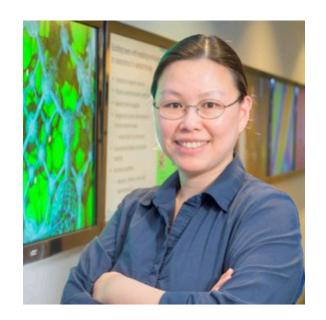
ANL

On **Friday, March 25**, Maria Chan of Argonne National Laboratory will present "Theory-guided AI/ML for Materials Design and Characterization" at 10:30 a.m. via Zoom:

umich.zoom.us/j/99711556862

Passcode: mse890

Chan is a scientist with ANL's Center for Nanoscale Materials.



GSC Virtual Career Panel (Academia) March 25



Are you interested in learning more about the diverse paths that can lead to a career in academia? GSC is hosting a virtual panel/Q&A on March 25, 4:00-5:30 p.m. in 1013 Dow. Panelists include U-M faculty Yiyang Li, Claudia Loebel, Abdon Pena-Francesch, and Ashley Bucsek (ME). RSVP for Jerusalem Garden here.

Senior graduation photos next Monday, March 28

Next Monday, March 28 (10-11 a.m., and 3-4 p.m.) - A professional photographer will be in the MSE

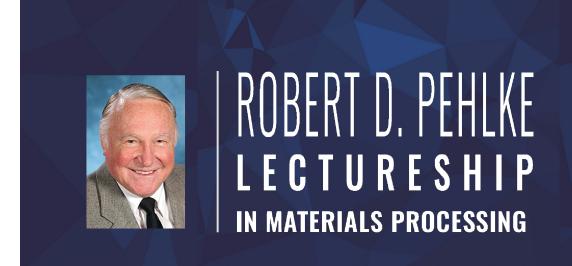
student lounge in Dow to take official portraits of Spring, Summer and December 2022 graduates.

Tuesday, April 19 - Last day of classes and deadline to apply for spring graduation.

Thursday, April 28 (6-8:00 p.m.) - MSE graduation dinner in Robotics Lobby. Invitations coming soon!

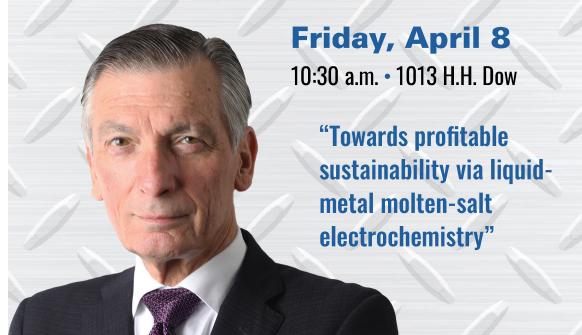


Pehlke Lecture with MIT's Donald Sadoway April 8



with special guest Donald R. Sadoway

John F. Elliott Professor of Materials Chemistry, Massachusetts Institute of Technology



Events Recap

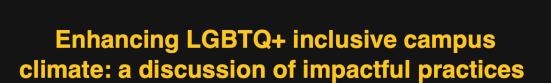
Graduate Recruiting Visit March 11



Click here to see more Graduate Recruiting Visit photos.

DEI Events





March 2022

DEI LECTURE SERIES



Presented by Will Sherry (he/him/his), Director of Spectrum Center, U-M.

MARCH 24

12-1 pm | Zoom webinar (registration required)

Celebrating its 50th anniversary in May, the University of Michigan Spectrum Center was established in 1971 as the first center in higher education to support LGBTQ+ students on campus.

In this session, the Center's director, Will Sherry, will examine impactful practices at individual, community, and policy levels that can be taken by units and departments to enhance LGBTQ+ diversity, equity and inclusion. We will discuss these as well as common roadblocks to change and share resources to support actions that enhance LGBTQ+ inclusion and belonging.

RSVP

Staff News



Tim Chambers was officially honored as the recipient of the 2022 Thomas M. Sawyer Jr. Teaching Award last Saturday, March 12 at the CoE Faculty Honors Dinner at the Henry Ford Museum in Dearborn. Part of Tim's citation read: "Since he joined MSE in 2015, Dr. Tim Chambers has brought an infectious passion for teaching and guiding students' experimentation in the lab. He restructured the curriculum for MSE 360 and MSE 365 to meet students' and other stakeholders' evolving needs and interests and to reflect current STEM

education research. He has led the design and delivery of well-received outreach activities for K-12 students and the public...Through these efforts, he has engaged more than 2,000 students to date. His ability to create a trusting lab environment in which curiosity, experimentation and discovery thrive earns exceptionally high instructor evaluation scores from his students." Way to go, Tim! *Photos courtesy of Amit Misra*.



Four - count 'em four - PhD students win Rackham Graduate Fellowships!



MSE graduate students **Vishwas Goel** (Thornton group), **Duncan Greeley** (Allison group), **Julia Lenef** (Dasgupta group), and **Suk Hyun Sung** (Hovden group) have all received a highly coveted Rackham Graduate Fellowship for 2022-23. Congratulations, Vishwas, Julia, Duncan, and Suk Hyun!

Job Opportunities

EWI looking for project engineer



EWI, a world leader in developing and deploying new technologies that enable companies to bridge the gap between R&D and manufacturing implementation, is searching for an engineer to support the RSSFW group, who is, or seeks to become, an expert in resistance and solid-state welding technologies. The ideal candidate will be accustomed to conducting independent research and will possess core analytical skills for interpreting the results. Representative analytical tools include backgrounds in mechanics, heat transfer, high power electronics, and statistical tools, as well as an understanding of basic metallurgy. In addition, the preferred candidate will be skilled at technical writing and have an aptitude for presenting developed results in front of peer groups. Finally, a desire for customer interaction is a key component of this position. This includes interactions to define customer challenges, define candidate solutions, and create resulting proposal documents. Desired knowledge/skills include:

- Demonstrated knowledge in welding metallurgy
- Demonstrated knowledge in electrical power applications
- Basic understanding of heat transfer and familiarity with its application
- Basic understanding of mechanics and dynamics of materials
- Strong mathematical aptitude
- Demonstrated knowledge in analytical modeling techniques
- Ability to support projects by providing technical oversight, coordinating resources, managing expectations, and preparing and delivering the results to the client while meeting the scope, budget, and schedule requirements
- Ability to effectively deliver results while working in a diverse multi-disciplinary project team that may consist of both internal and client resources

- Ability to identify and analyze problems, gather and sort relevant data, and process data logically to determine preferred solutions
- Excellent oral and written communication skills with ability to deliver presentations at conferences, consortia meetings, client meetings, or internal meetings
- Demonstrated ability to prepare written reports and PowerPoint reports
- Utilizes judgment in communication styles and behaviors, recognizes impact on other team members and the client
- Strong ability to plan and organize tasks
- Willingness to travel periodically (up to 15%) to customers and conferences

For more information or to apply, please contact Engineering Manager Nick Kapustka.

