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Today we give you a quick respite from the crazed end-of-the-year whirlwind with a look back at April events (what a busy month!) and exciting student awards (you guys rock!). Next issue will be our big Graduation Edition featuring all our 2024 graduates.

Our next issue will be published on Wednesday, May 1. If you have anything you'd like to contribute, please email krisfres@umich.edu by Monday, April 29.

Events Recap

Mooning over the solar eclipse



Above: Seniors **Tyler Lindemann**, **Vincent Bouwhuis** and **Haley Whalen** take in the partial eclipse outside Dow on April 8. *Below:* PhD student **Meizhong Lyu** packed her telescope and camera and traveled to Findlay, Ohio, to see the total eclipse and take this spectacular photo.



Another inspiring Pehlke Lectureship



MIT Professor Michael J. Cima headlined the 5th annual Robert D. Pehlke Lectureship in Materials Processing on April 4 & 5. Click [here](#) to see photos from the dinner and lecture, and [here](#) to watch his engaging lecture: "Translational Biomedical Engineering."

Forging (and chicken time) at Tim's!



On Sunday, 20 students converged at Tim Chambers's house in Whitmore Lake for a forging session and potluck dinner. Above: Senior **Erin Clingerman** (left) tries her hand at forging a hook and SUGS student **Eli Rotman** (right) bonds with Benedict (yes, as in eggs...). Thank you to Laura Bonds for sharing photos:-).

Upcoming Events

MSE 482 Design Expo this Thursday, April 18



What: MSE 482 senior capstone design poster presentations

When: Thursday, April 18, 12-3 p.m.

Where: EECS Atrium

All are encouraged to come support this year's six design teams' impressive work!

Undergraduate Student Appreciation Luncheon this Friday

What: Faculty and staff will serve undergrads lunch as a thank you for a fabulous year!

When: Friday, April 19 - 12:30-1:30 p.m.

Where: 1571 GGB



Last MSE 890 seminar of the year on Friday



“Exsolution and Coarsening in Metal Oxide Systems”

Speaker: Ivar E. Reimanis,
Colorado School of Mines

When: Friday, April 19, 10:15 a.m.

Where: 1013 H.H. Dow or via Zoom:

umich.zoom.us/j/95851585548

Passcode: mse890

2024 MSE Graduation Awards Dinner April 25



The Class of 2024 - seniors and all graduating master's and PhD students - plus all MSE faculty and staff are invited to attend our annual MSE Graduation Awards Dinner on **Thursday, April 25, 6-8 p.m.** at the Ford Robotics Building.

Chung Man Lim PhD defense April 29



PhD candidate: Chung Man Lim

Group: Kotov

When: Monday, April 29, 11:30 a.m.

Where: Research Auditorium at NCRC Building 10

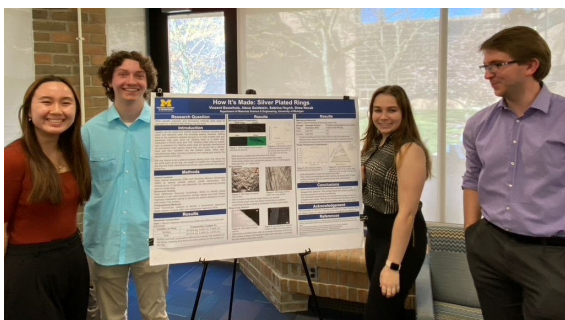
Dissertation title: "Mechanical Properties of Chiral Materials"

Zoom: umich.zoom.us/j/95335148014

Passcode: Chirality

Best of luck, Chung Man!

MSE 365 Reverse Engineering presentations May 2



What: MSE 365 final Reverse

Engineering poster presentations

When: Thursday, May 2, 9-11 a.m.

Where: Borg-Warner atrium in GGB

All are encouraged to come learn about the students' research insights.

Student News & Awards

Seven MSE students win prestigious NSF Fellowship

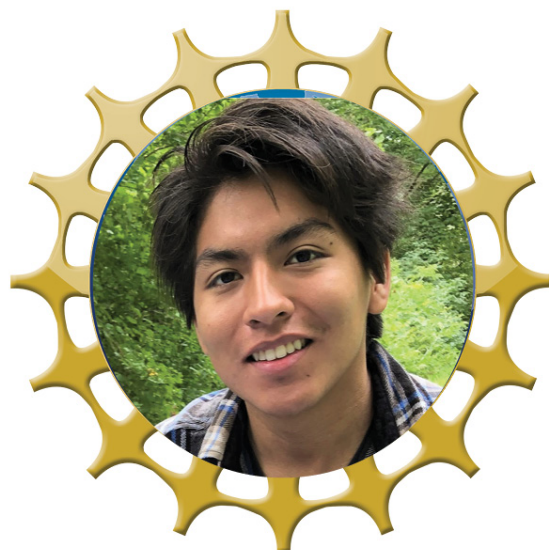
Five graduate students and two undergraduates -- the most in recent memory -- have received an NSF Graduate Research Fellowship (NSF GRFP), one of the most prestigious honors for early-career researchers in STEM fields. The program recognizes and supports outstanding graduate students in NSF-supported STEM disciplines who are pursuing research-based master's and doctoral degrees.

"The fact that seven MSE students have been awarded prestigious NSF graduate fellowships underscores the exceptional quality of education and research opportunities we provide here at U-M," commented Geeta Mehta, chair of the MSE graduate program. "These fellowships not only recognize the academic prowess and potential of these students, but also highlight our unwavering commitment to fostering excellence in materials research."

The seven NSF GRFP winners are listed below:



Liam Cotter
Graduating senior
Mehta group



Nicholas David
Ph.D. candidate
Sun group



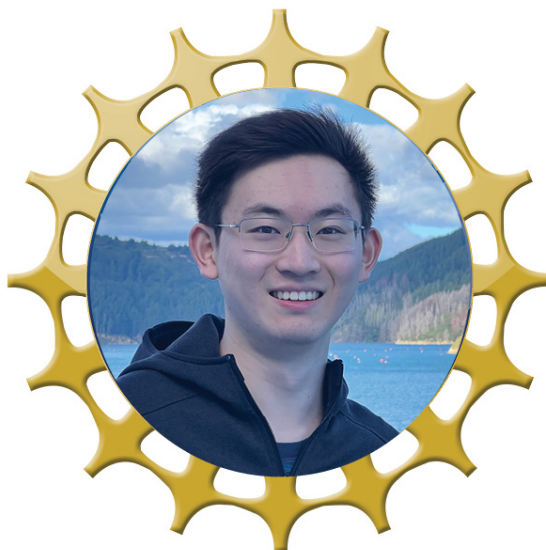
Daniel Delgado
Ph.D. candidate
Dasgupta group



Caroline Harms
Ph.D. candidate
Pena-Francesch group



Reegan Ketzenberger
Graduating senior
Syal group (ME)



Nina Perry
Ph.D. candidate
Marquis group



Davy Zeng
Ph.D. candidate
Dasgupta group

Po-Yu Kung + team win first Hydrogen Prize



MSE graduate student **Po-Yu Kung** (Li group) was part of a three-person interdisciplinary team that won the first Hydrogen Grand Challenge on April 11. Teams were challenged to create a business case for a Michigan-centered, regional deployment of hydrogen. Kung's team, H2Blue, won the \$5K first-place prize for pitching a subscription-based model that would give Michigan residents access to hydrogen cylinders during power outages. MSE students **Harshada Suryawanshi** and **Cinthya Aros-Caballero** also participated in the contest. MSE alum Aaron Crumm facilitated several hydrogen workshops leading up to the final pitch competition. [Read more](#) about the Hydrogen Grand Challenge. *Congratulations, Po-Yu!*

Devin Maples attends 50th Annual NSBE Conference

Junior Devin Maples joined 18,000 engineers in Atlanta for the 50th Annual National Society of Black Engineers (NSBE) Conference in March. Founded in 1975, NSBE supports and promotes the aspirations of collegiate and pre-collegiate students and technical professionals in engineering and technology.

"Having the opportunity to attend this once-in-a-lifetime event has



developed me personally, socially, and professionally," said Maples. "Gaining this lasting experience would not have been possible without the help of the MSE Department and their generous donors! "

Faculty News & Awards

Liz Holm and Wenhao Sun featured in MICDE magazine



MSE Professors **Liz Holm** and **Wenhao Sun** are featured in the latest MICDE magazine - Holm for being a department chair and pioneering transformative computational science & engineering, and Sun for his Dolomite breakthrough that has rocked the science world. Read more: bit.ly/3UlpudP

Research highlights

Better battery manufacturing: Robotic lab vets new reaction design strategy



The Sun group has been cooking up recipes with unconventional ingredients, which, when mixed in just the right order, can make complex materials with fewer impurities. The robotic lab that tested the idea could be widely adopted. Click on the image above to see the robotic lab in action. Click [here](#) to read more.

And on that note...



A [story about Jenny Jones](#), the daughter of faculty emeritus **Wayne Jones**, was recently featured in *The Record*. Jenny, a supervisor in the Medical School Office of Research, is involved with the nonprofit organization Therapeutic Riding Inc., where she helps people with disabilities gain life lessons and foster independence by learning to ride horses. Check out the inspiring video below.



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