

#### Welcome to TeamMSE Vol. 3 - September 27

If you have information you'd like to share with the community in our next issue, due out on September 27, please email **Kristen Freshley** at krisfres@umich.edu by Sunday, Sept. 26.

Any and all suggestions/comments regarding TeamMSE are welcome, too!

# The Latest Covid News

The following are your need-to-know highlights (and almost all good news!) from President Schlissel's Covid briefing on Friday:

- Vaccination rates. More than 95 percent of students, 95 percent of faculty and 82 percent of staff are vaccinated, and there has been outstanding compliance with the indoor face covering policy. Both of these measures have significantly lowered the potential impact of increased class density on disease transmission.
- Cases trending downward: We've had about 407 cases of COVID-19 among students since Aug. 21, and 160 among faculty and staff. Cases peaked after the initial repopulation of campus, and have been drifting downward ever since.
- Comparisons to last year: In distinction from the previous academic year, we're not seeing clusters of cases in residence halls or in offcampus group housing. Similar to last year, contact tracing has yet to detect transmission due to classroom contacts, which is obviously very reassuring.
- Student positivity rates and symptoms: The UHS has been busy treating students with Covid-like, but most have turned out to only have colds or other mild viral illnesses. Since the first week of classes, UHS Covid positive test rates have shrunk from 10% of those with symptoms to just 2.5% this past week.

#### **Campus bus routes will resume October 24**

All campus busses will resume their pre-pandemic routes beginning **Monday**, **October 24**.

#### Get your flu shot!

Some health experts are predicting a rough flu season this winter, so getting a flu vaccination is highly recommended. Students can get a flu shot at UHS. Faculty and staff have several options for receiving their flu shot.



**Materials Engineering Career Fair 2021:** 

### Register now!



Friday, Oct. 1 9 a.m. - 9:00 p.m. Virtual

Registration is open to schedule individual virtual meetings with 33 different company reps. This year the fair will be open to other majors as well, so sign up early to make sure you get to meet with your preferred companies! **To register and view the list of companies attending**, click <a href="here">here</a>. For more general information, click <a href="here">here</a>.

### This Friday's seminar speaker: Purdue's Chelsea Davis

Chelsea Davis, an assistant professor at Purdue University, will present "Illuminating Interfacial Mechanics: Visualizing Failure in Soft Materials" this Friday, Oct. 1 at 10:30 in 1670 Beyster. Zoom link: umich.zoom.us/j/91020960485.

Passcode: 614475



### **Special guest lecture October 4**

Marco Rolandi of University of California, Santa Cruz, will present "Naturally derived bioplastics from shrimp and squids: processing, fabrication and applications" on Monday, October 4 at 3:00 p.m. in 133 Chrysler. Zoom link:

umich.zoom.us/j/93851364092.

Passcode: 409965

All are invited to attend.



### Van Vlack Technical Lecture with 2019 Nobel Laureate Stan Whittingham Oct. 8

Stan Whittingham, winner of the 2019 Nobel Prize in Chemistry will present "The Lithium Ion Battery, from a Dream to Readiness to Take on Climate Change -- Materials



Opportunities and Challenges" via Zoom on **Friday, October 8 at 10:30 a.m**. Zoom link:

umich.zoom.us/j/96707323085.

Passcode: 150581

The Van Vlack public lecture, originally scheduled for October 7, is currently being rescheduled for a date in May. A Save the Date announcement will be issued soon.

### **Interpersonal Skills Workshop - Part I**

### Wednesday, September 29 12:30-2:00 p.m. in LEC Johnson Rooms

During this first workshop, Dr. Eric Fretz will help you understand your Emotional Intelligence (EQ). Participants will also receive an EQ rubric to complete for self-assessment. Food will be provided. **RSVP** is required.

### Sandwiches and Speakers with MSE GSC

### Wednesday, September 29 12-1:00 p.m.

Multiple student organizations in engineering -- including MSE GSC -- are facilitating the Sandwiches and Speakers Series (Sept. 29, Oct. 13, Oct. 27, and Nov. 10) to provide students with an opportunity to practice their science communication and prelim presentations. Come for a sandwich and help give your peers feedback. Preference will be given on a first-come-first-serve basis because of limited capacity due to COVID. <u>Sign up here</u>.

### Inaugural MMRI Symposium Nov. 9-10: Call for student posters

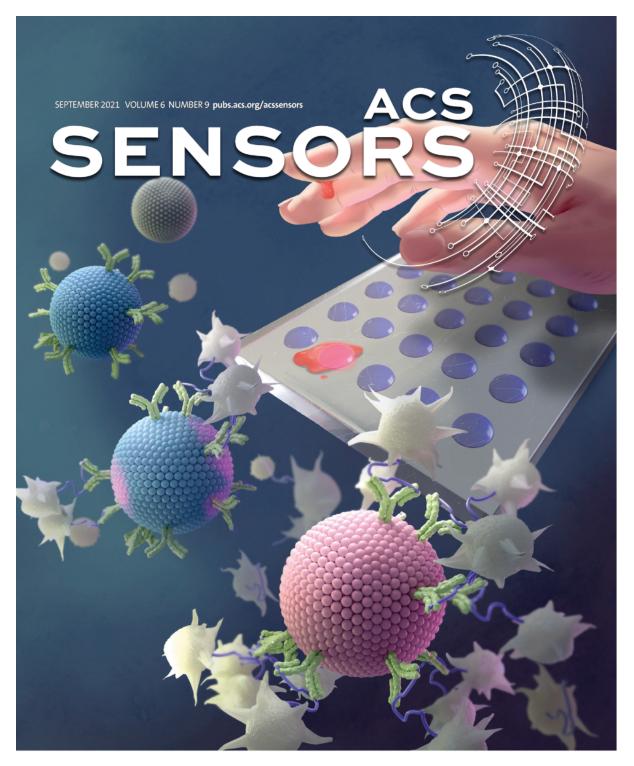
The first annual Michigan Materials Research Institute Symposium (MMRI) will explore state-of-the-art materials research at U-M, including challenges and opportunities for the future. Particular attention will be given to U-M researchers who are transforming the face of materials science and blazing the trail for future generations of materials scientists and engineers.

All U-M undergrads, Ph.D. students and postdocs are invited to take part in a poster session on Nov. 9 that showcases the intellectual diversity and broader impacts of our field. Awards will be given for best posters. The poster submission deadline is Monday, October 18.

On Nov. 10, faculty and external speakers will present on their domains of expertise and visions for the future. A detailed agenda for the symposium will be issued soon.

Please RSVP for all events by Monday, October 18.





Professor Jinsang Kim and team recently made the cover of the American Chemical Society's *ASC Sensors* for their manuscript "Polydiacetylene Liposome Microarray toward Facile Measurement of Platelet Activation in Whole Blood." Congratulations to Jinsang and all the authors!

### Contests

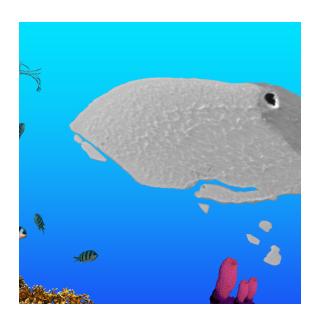
### **MSE Apparel Design Contest**

MMS is sponsoring an MSE apparel design contest for the 2021-2022 school year. Multiple submissions are allowed, and the winner will receive free apparel with their design along with a \$50 Amazon gift card. All submissions are due by Friday, October 22 at 11:59pm EST.

Submit a design\_here.



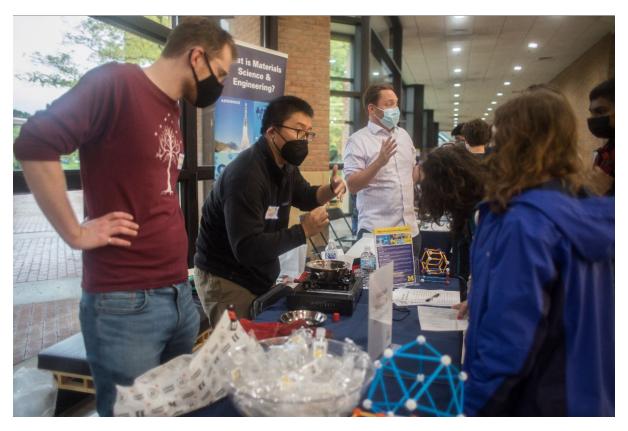
### **Announcing our 2022 Calendar Art contest!**



We're once again looking for some cool, creative "science as art" images to use in a variety of MSE marketing materials, including our 2022 calendar! Please submit your image(s) (along with a caption and advisor/course name) to Kristen at krisfres@umich.edu. Submissions are due by Friday, October 30 at 11:59 p.m. EST.

### **Events Recap**

### **Majors Fair - Sept. 23**



Graduate students Geordie Lindemann (left) and Paul Chao (center), along with Assistant Professor John Heron field questions about MSE during the Majors Fair last Wednesday.

### MSE Alumni Merit Award winner Michelle Griffith - Sept. 24



On Friday, MSE alumnus Dr. Michelle Griffith discussed her work as a Senior Engineer at Sandia National Labs, a rank achieved by only 1% of Sandia's approximately 14,000 employees. Griffith was on campus to receive the 2020 MSE Alumni Merit Award presented by the College of Engineering. To watch a recording of her talk and MSE Chair Amit Misra's "State of the Department" address, click here.

## DEI Events



#### on Anti-Asian Racism



Moderated by Melissa Borja U-M LSA Department of American Culture (AC), Asian / Pacific Islander American (A/PIA) Studies

### OCTOBER 12 12-1 pm | Zoom webinar (registration required)

As incidents of Anti-Asian racism are on the rise across the United States, many are seeking to engage in anti-racist action. But first, it is important to listen to individuals and communities who are and have been doing this work on our campus.

A panel of advocacy and subject-matter experts, moderated by U-M Professor Melissa Borja, will engage in sharing stories, experiences and advocacy resources that aid in equity and inclusion work.

#### The panelists are:

- · Heeryung Choi, PhD student in the School of Information Science
- Fatema Haque, Academic Program Manager & LEO Adjunct Lecturer in Barger
- Ian Shin, Assistant Professor of History and American Culture and core faculty member in Asian/Pacific Islander American Studies
- Marie Ting, Associate Director at the U-M's National Center for Institutional Diversity

This panel is the second event of the three-part series on combating anti-Asian hate, harassment and racism throughout the 2021/2022 academic year. Participants are invited to listen with the intent to engage in the work of combating anti-Asian hate and harassment on campus and in our communities.

**RSVP** 

### Job Opportunities

### Los Alamos advanced materials postdoc position

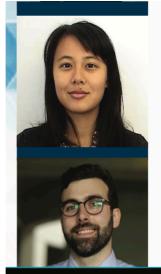


This opportunity at Los Alamos National Laboratory in Los Alamos, N.M. is to perform materials synthesis and characterization experiments supporting the development of next-generation composite materials for national security applications. The development process will encompass additive manufacturing (material formulations/characterizations and processing/building), self-assembly, predictive modeling, and combinations therein. To learn more about the position and/or apply, <u>click here</u>.

### **Fellowships with Sandia National Labs**

If you are graduating with a Ph.D. in the next year, consider applying for a Harry Truman or Jill Hruby Fellowship at Sandia National Labs. Fellows are given a three-year grant to work on any topic at a Sandia site in either New Mexico or California. The award includes full benefits and a \$111,000 annual stipend. Previous fellows have found success as faculty, staff scientists in natioal labs, and in industry.

Deadline for applications is **October 15**. If you have any questions, feel free to contact <u>Assistant Professor Yiyang Li</u>, who was a Truman Fellow prior to starting at U-M. Learn more: <u>tinyurl.com/TrumanFellowship</u> or <u>tinyurl.com/HrubyFellowhip</u>.



### BECOME A TRUMAN OR HRUBY FELLOW AT SANDIA LABS

### OPPORTUNITIES

- Pursue independent research.
- Conduct ground-breaking work in national security.
- Collaborate with some of the nation's best scientists and engineers.
- Leverage leading-edge scientific facilities.
- Stimulate explorations at the forefront of science and technology in high-risk, potentially high-value research and development.

#### Learn more tinyurl.com/TrumanFellowship tinyurl.com/HrubyFellowship

### **QUALIFICATIONS**

PhD conferred within the past three years at the time of application or completion of PhD requirements by October 1, 2022 (beginning of appointment)

#### **FOCUS AREAS**

**Bioscience** 

Computing and Information Science

**Engineering Science** 

Geosciences

**Materials Science** 

Nanodevices and Microsystems

Radiation, Electrical, and High Energy Density Physics Evidence of strong academic achievement, excellent technical accomplishment, leadership, and ability to team effectively

No previous postdoc appointments at a national lab (pre-postdoc internships excluded)

Research in areas meaningful to national security

Development/submission of a compelling research proposal

Ability to obtain and maintain a DOE security clearance, which requires U.S. citizenship

### APPLICATION DEADLINE OCTOBER 15, 2021

Three-year appointment Salary: \$111,200 + benefits

#### Tenure-track and Postdoc Positions

If you are interested in academic positions in MSE, please review the postings listed on the <u>University Materials Council website</u>.







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