



Happy Monday!

We're back to start your week off with all the latest news you can use in terms of events, research highlights (including MSE on Science Friday!), health updates, etc. Our next issue will be published on Monday, Sept. 26. If you have information you'd like to share with the community, please email Kristen Freshley at krisfres@umich.edu by Sunday, Sept. 25. Any and all suggestions/comments regarding TeamMSE are welcome, too! Happy reading!

**Undergraduate program retains #5 ranking for
2023**

#5

MSE Undergraduate
Program
in U.S.

2023 Rankings -
U.S. News &
World Report

We just learned this afternoon that our undergraduate program has retained its #5 ranking for 2023; this year we are tied with Northwestern. The rest of the Top 10 MSE undergraduate programs, as ranked by U.S. News & World Report, are (1) MIT, (2) Univ. of Illinois, (3) U-C Berkeley, (4) Georgia Tech, (7) Cornell, (8) Carnegie Mellon, (9) Stanford, (10) Penn State.

Pretty Perfect Picnic



Our MSE Welcome Back Picnic at Gallup Park on Sept. 1 was a tremendous success! With a beautiful setting, gorgeous weather, record turnout (185!) and tons of smiles, it was THE perfect way to kick off the new school year! Thanks to everyone for coming out and making it a truly special event. [Click here](#) to view photos of all the fun.



Upcoming Events

Li to give Applied Physics seminar talk Sept. 14



Assistant Professor Yiyang Li will be the featured speaker at the Applied Physics seminar series this **Wednesday, Sept. 14 at 12:00 noon** in 340 West Hall on Central Campus. The title of his talk will be "How Can We Use Batteries to Better Understand Resistive Memory?"

Zoom link:

<https://umich.zoom.us/j/93170512369>

Passcode: 898441

UT's Manthiram this Friday's seminar speaker

Arumugam Manthiram, UT-Austin professor and director of the Texas Materials Institute, will present "Sustainable Battery Chemistries for a Cleaner Planet" this **Friday, Sept. 16 at 10:30 a.m.** in 1670 Beyster.

Zoom link:

<https://umich.zoom.us/j/98899169074>

Passcode: mse890



MSE Undergraduate Open House Sept. 15



Thursday, Sept. 15

5-7:00 p.m.

Borg Warner Gallery, G.G. Brown

MSE is hosting an Open House for all undeclared undergraduates who are considering majoring in MSE. The event will include a presentation by Associate Professor John Heron and materials demos. **Spread the word** to anyone you know who's interested in learning more about MSE!

GSC Town Hall this Friday, Sept. 16



MSE GSC Town Hall Meeting

ALL GRADUATE STUDENTS are invited to an **MSE GSC Town Hall** this **Friday, Sept. 16, 4-5:00 p.m., in 1013 Dow**. GSC will host a Q&A for students about the department, give an overview of GSC's goals for the semester, hold elections for the 1st year PhD and Master's representatives, and form GSC committees. After the meeting, there will be a GSC-hosted happy hour at RAPPOURT.

Join MSE GSC and Department Administration for a Fall Town Hall on Friday, Sept. 16th from 4:00-5:00 PM.

Agenda:

- Q&A for students about Department.
- Introduction To GSC
- 1st Year PhD & Masters Representative Election
- GSC Committee Sign-up


Location: 1013 Dow
Zoom: 910 1000 8862
Passcode: MSEGSC

GSC Hosted Happy Hour afterwards at RAPPOURT!!!

RSVP Link:



Register by this Thursday for Annual Alumni Merit Award Luncheon Sept. 23



2022

MSE Alumni Merit Award Luncheon

with **Dr. Rita Baranwal**,
former Assistant Secretary for the Office
of Nuclear Energy in the U.S. Department
of Energy (DOE) 2019-2021

Friday, Sept. 23

11:30 a.m.

1010 H.H. Dow

Join us **Friday, Sept. 23** (Homecoming Weekend) for our annual Alumni Merit Award luncheon with MSE alum **Dr. Rita Baranwal**, former Assistant Secretary for the Office of Nuclear Energy in the U.S. Department of Energy (DOE) 2019-2021, now Senior VP of Digital & Innovation at Westinghouse. It's an event you won't want to miss! [Register here](#) to reserve your boxed lunch by this **Thursday, September 15.**

**Computational expert Susan Sinnott headlines
2022 Van Vlack Lectureship Oct. 6 & 7**



—2022—
Lawrence H. Van Vlack
LECTURESHIP
in
Materials Science & Engineering

This fall's Van Vlack Lectureship will feature materials computational expert **Susan Sinnott**, MSE chair at Pennsylvania State University. Sinnott will present two lectures: "Materials Design and Discovery" on **Thursday, Oct. 6 at 4:00 p.m. in NCRC** and "Developing New Materials with Insights from Computational Methods" on **Friday, Oct. 7 at 10:30 a.m. in 1670 Beyster**.

DEI events

Author Isabel Wilkerson event at Hill Sept. 20

M | MICHIGAN ROSS

THE
JOSEPH AND
SALLY HANDLEMAN
LECTURE SERIES
PRESENTS:

Isabel Wilkerson

THE CASTE SYSTEM AND HOW BUSINESS CAN DISRUPT IT

What is the caste system and what repercussions does it have on society? By examining the COVID-19 pandemic, the Jan. 6 insurrection, and the murders of George Floyd and Martin Luther King, Jr., Isabel Wilkerson, journalist, educator, and the Pulitzer Prize-winning author of *Caste*, will provide insight into how business is affected by the caste system in the United States.

SEPT 20 | 6:30 PM
HILL AUDITORIUM

REGISTER TO ATTEND:



By Joe Henson

CoE kicks off DEI lecture series Sept. 22



September 2022

DEI LECTURE SERIES

READY, SET, ACTION: Strategies We Can Take as Individuals to Improve Equity and Inclusion in Our Departments

September 22, 2022 | 12-1pm | Zoom Webinar (Registration Required)

Presented by Amy Moreno Sherwood, M.Ed., Director of [The Broadening Opportunities through Leadership and Diversity \(BOLD\) Center](#) within the College of Engineering and Applied Science at the University of Colorado Boulder.

Amy Moreno Sherwood will provide various practices and reflection exercises that encourage students, staff and faculty to be active DEI champions.



Drawing from Michigan Engineering's Five-Year DEI-Strategic Plan, this lecture will focus on tangible solutions that will help individuals contribute to DEI initiatives across campus, ensuring our commitment as people-first engineers.

[Register today!](#)

Research highlights



Tuteja/Mehta research coating the media



science
FRIDAY

The excitement for **Anish Tuteja** and **Geeta Mehta's** new [anti-bacterial coating](#) is spreading across the globe! In the past few weeks, the story has been picked up by [44 national and international media outlets](#). On Friday, Sept. 2 Anish was a featured guest of Ira Flatow on NPR's Science Friday. [Listen to the interview](#). Congratulations to the whole team!

Faculty News

Heron and Shahani earn academic promotions



John Heron and **Ashwin Shahani** were recently promoted to the rank of Associate Professor. Congratulations to both John and Ashwin!

Campus health updates

As of today, September 12, the Covid level for Washtenaw County is **high**. While it's not cause for panic, it does mean it's important to heed the following guidelines:

1) **Stay home when sick:** Anyone who is experiencing symptoms suggestive of COVID-19 (e.g. new cough, sore throat, nasal congestion, fever, fatigue), even mild symptoms, should avoid gatherings and seek testing. If you are sick, even if it is not COVID-19, students, faculty and staff should stay home.

2) **Get tested:** It is recommended that everyone maintain a supply of home antigen tests, but testing is also available through a range of campus resources. Any U-M student, faculty or employee can obtain [free testing if asymptomatic](#) at the U-M COVID-19 Community Sampling and Tracking Program ([CSTP](#)) [locations](#) on campus. Students, if asymptomatic or symptomatic, can also self-schedule or call for an [evaluation/test at UHS](#).

3) **Isolate if you have COVID-19:** Anyone who tests positive for COVID-19 is

expected to isolate for at least 5 days, and should wear a mask when around others for a full 10 days after diagnosis, even as symptoms improve. All students should have individual plans for [isolation](#) in the event they have a positive COVID-19 test. Isolation spaces have been set aside for students living in university housing, but at this time the space is being actively filled and nearing capacity. While additional spaces are being identified, and especially with the upcoming Labor Day holiday, students who reside **within a drivable distance should expect to relocate to their permanent residence instead of requesting isolation space on campus.**

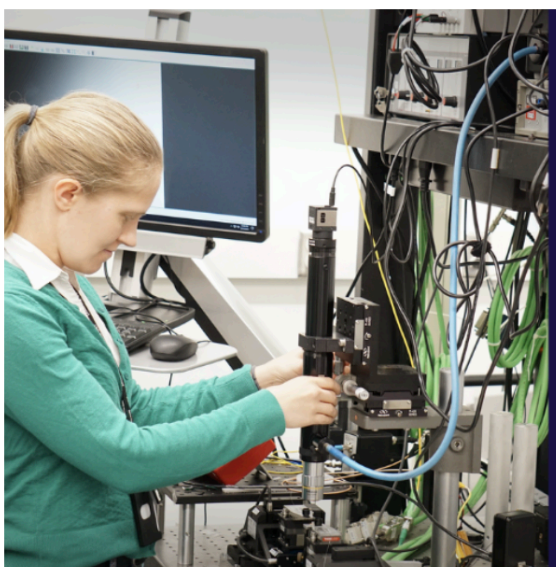
4) **Wear a mask:** Masking is strongly recommended in indoor spaces where maintaining social distancing is difficult, regardless of vaccination status. High filtration masks are available for free at [CSTP sites](#) and at community centers within the residence halls.

5) **Get Vaccinated:** Through partnerships with local retail pharmacies, vaccines are being offered at multiple campus locations, including [convenient, walk-in clinics](#) that do not require registration. These walk-in clinics currently offer flu shots and will offer updated COVID-19 booster shots when available.

For the latest information and updates related to COVID-19, please visit the U-M Health Response website at: <https://healthresponse.umich.edu/>.

Job opportunities

Postdoc Research Opportunities



NRC RESEARCH ASSOCIATESHIP PROGRAMS

POSTDOCTORAL AND
SENIOR LEVEL RESEARCH
OPPORTUNITIES

APPLICATION OPENS:
SEPTEMBER 1, 2022

APPLICATION DEADLINE:
NOVEMBER 1, 2022 AT 5PM ET

NATIONAL ACADEMIES Sciences
Engineering
Medicine

Photo credit: Laboratory for Physical Sciences

The National Academies of Sciences, Engineering and Medicine administers postdoctoral and senior research awards at [participating federal laboratories](#)

[and affiliated institutions](#) at locations throughout the U.S. and abroad.

They are seeking highly qualified candidates who hold, or anticipate earning, a doctorate in a variety of fields of science or engineering. Degrees from foreign universities should be equivalent in training and research experience to a doctoral degree from a U.S. institution. Citizenship eligibility varies among the sponsoring laboratories.

Application deadline dates are February 1, May 1, August 1 and November 1.

Awardees have the opportunity to:

- Conduct independent research in an area compatible with the interests of the sponsoring laboratory
- Devote full-time effort to research and publication
- Access the excellent and often unique facilities of the federal research enterprise
- Collaborate with leading scientists and engineers at the sponsoring laboratories

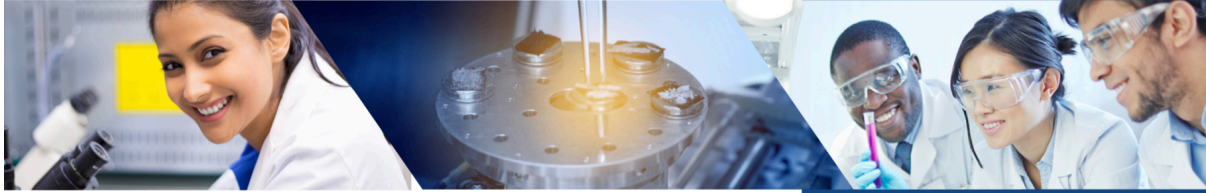
Awardee benefits include

- Stipends ranging from \$45,000 to \$94,500; may be higher based on experience
- Health insurance (including dental and vision), relocation benefits, and a professional travel allowance.

For detailed program information, to search Research Opportunities, and to contact prospective Research Adviser(s), visit www.nas.edu/rap.

**DOE-sponsored application workshops -
September 15 and November 9**

OFFICE OF SCIENCE GRADUATE STUDENT RESEARCH APPLICATION WORKSHOPS



Energize your Ph.D. Dissertation with World-class Scientific Power

Extended Research Residencies at DOE National Laboratories

The [SCGSR program](#) provides supplemental awards to U.S. graduate students to pursue part of their graduate thesis research working side by side with science and engineering experts at a DOE laboratory or facility. Graduate students who are passionate about their [research in the following areas](#) are encouraged to apply:



BIOLOGY*



CHEMISTRY



PHYSICS



MATERIALS SCIENCE



ENGINEERING



MATHEMATICS



COMPUTER OR COMPUTATIONAL SCIENCES



ENVIRONMENTAL SCIENCES**

Join Dr. Igor Slowing, SCGSR Program Manager from U.S. Department of Energy and Dr. Maria Taydem, Project Manager from the Oak Ridge Institute for Science and Education for more information about the SCGSR program and for tips on creating and submitting competitive applications. Both workshops will include question and answer sessions.

*Non-medical **Specific areas of environmental sciences that are aligned with the mission of the Office of Science

Workshop 1

General overview of the SCGSR Program

September 15, 2022 | 3:00 – 4:30 p.m. (EST)



Click or scan to sign up!

Workshop 2

Q&A and Application Guidance

October 20, 2022 | 3:00 – 4:30 p.m. (EST)



Click or scan to sign up!

Application Deadline:

November 9, 2022 at 5:00 p.m. (EST)



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