

Hope you are feeling rested from your extra hour of sleep this past weekend because we have another packed issue for you, full of important information about tomorrow's election, upcoming MSE events and how to stay safe against the tripledemic! Plus exciting research and faculty/alumni news...so dig in!

The next issue of TeamMSE will be published Monday, Nov. 21. If you have anything you'd like to submit, please send it to Kristen Freshley at krisfres@umich.edu by Sunday, Nov. 20.

Election Day is TOMORROW - vote at the Dude!

Ann Arbor City Clerk's Office *at the* **DUDE** *Duderstadt Gallery*



Oct 12 – Nov 8

Wed–Thurs : 12 to 6pm

Friday : 12 to 4pm

Mon, Oct 24 : 12 to 6pm

Election Day

Tuesday, Nov 8 : 8am to 8pm

Want to vote outside Ann Arbor?
visit **govote.umich.edu**

The Creative Campus Voting Project has designed a satellite A2 City Clerk's office at the Duderstadt Center Gallery where U-M students and Ann Arbor voters can:

- Register
- Request an absentee ballot
- Drop off a ballot at an official dropbox
- Vote!!

The gallery also features an immersive 'Ballot Wayfinder' installation where visitors can learn about and navigate the ballot and access trusted, non-partisan resources about candidates.

Before voting, double check you're really registered! Vote411.org takes you to your state's election site to confirm. It just takes about 60 seconds.

Students who want to vote in Ann Arbor can go to either the [satellite Ann Arbor City Clerk's office](#) on campus —at the [Duderstadt Center Gallery](#) or [UMMA](#) — and also pick up an absentee ballot and vote!

****You can still register today or tomorrow** (on Election Day), but you must go in person to a Clerk's office (including those listed above) with [proof of residency](#). Be sure to bring the [required documents](#) when you do!

Upcoming Events

This week's seminar speaker: NERS' Stephen Raiman

Stephen Raiman, assistant professor of U-M Nuclear Engineering & Radiological Sciences, will present *"Rust Never Sleeps: Hot liquids, ionized radiation, and the materials that can stand up to them"* this **Friday, Nov. 11 at 10:15 a.m.** in 1670 Beyster.

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

Passcode: mse890



Next week's seminar speaker: VT's Satoru Emori



Satoru Emori of Virginia Tech will present *"A Secret of Pumping Iron: Revealing a Counterintuitive Mechanism of Magnetic Damping"* **Friday, November 18 at 10:15 a.m.** in 1670 Beyster.

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

Passcode: [mse890](#)

MMS events this Thursday and Friday:

Extended apparel sale and grad school panel

When: Thursday, 11/10, 11:30-1:00

Where: MSE Student Lounge, 2162 Dow

If you missed the MMS apparel sale last month, you're in luck! MMS is selling excess apparel for the same original price. First come, first served!

When: Friday, 11/11, 11:30-12:30

Where: 1010 Dow

Manos Kioupakis will give a short presentation on graduate school, followed by a panel of grad students to answer questions. Panelists include Kate Moo (SUGS), as well as Kyle Bushick and Chao Huang (PhD). Domino's pizza will be served. Bring your Mcard for quick sign-in and if you need to leave during the panel/talk, let an MMS officer know!

MMS on Ice event this Sunday, Nov. 13



What: MMS-sponsored ice skating event

When: Sunday, November 13, 1:30 p.m.

Where: Yost Arena, 1116 S. State St.

If interested in participating, [fill out this form](#).

GSC Apple Orchard Outing this Sunday, Nov. 13



Anshul Singhal Ph.D. Defense Nov. 17



Ph.D. candidate **Anshul Singhal** (Taub group) will present "Improved Extraction of Natural Fibers for Sustainable Polymer Composites"

When: Thursday, November 17, 1:00 p.m.

Where: 3158 H.H. Dow (Pod Room)

Zoom: <https://umich.zoom.us/j/92808081028>,
passcode 722786

Best of luck, Anshul!

Events Recap

Snapshots from recent events



The past couple of weeks have been busy! **Above left:** MSE alum Jim Yurko, Senior Distinguished Engineer at Apple, talks alloy design at an MMRI-sponsored seminar on Friday, Oct. 28. **Above right:** Senior Krystal Quinn shows off her creepy cool costume while trick-or-treating in Dow on Monday, Oct. 31. **Lower left:** Katie Wei, Alexa Goldstein and Denise Schaultman field questions about MSE at the CoE Majors Fair on Nov. 2. **Lower right:** Tathya Shinde ladles up some chili at the GSC Chili Cook-off on Friday, Nov. 4.

DEI events

"Disability in Higher Education" seminar Nov. 17



You're invited to a special virtual seminar with Dr. Nicole Brown:

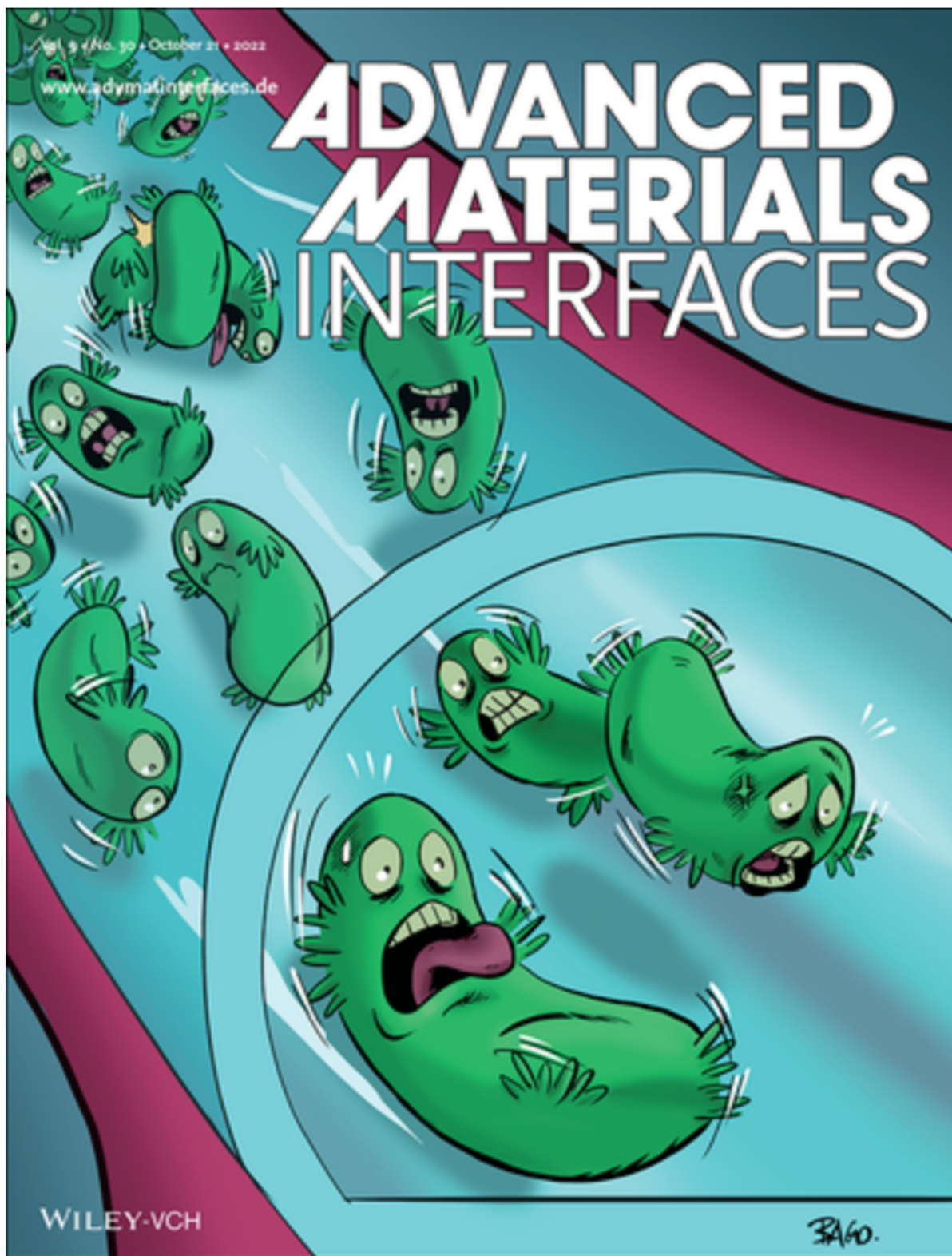
Thursday, Nov. 17
12:00-1:00 p.m.

Register for the Zoom session [here](#).

CART and ASL interpretation will be available.

Research highlights

A research team with **Assistant Professor Abdon Pena-Francesch** recently had their article, "[*Bacteriophbic Zwitterionic/Dopamine Coatings for Medical Elastomers*](#)," selected for the cover of *Advanced Materials Interfaces*. The fun, whimsical cover art is by Adrian Bago, a professional Spanish comic artist and good friend of Pena-Francesch. While he admits it's a bit off-beat for research, Pena-Francesch says of the cover: "[It] brings quite a lot of visibility and is especially good for outreach and engaging with students and the press."



Faculty News

Allison earns AIME Honorary Membership Award



Professor John Allison has been named a recipient of the AIME Honorary Membership Award, presented to members for distinguished scientific or engineering achievement. Established in 1872, it is considered to be a pinnacle award. Notable past winners include Andrew Carnegie, Herbert Hoover and Liz Holm (our incoming MSE chair)! The formal award presentation will be in March during the TMS 2023 Annual Meeting in San Diego.

Congratulations, John!

Alumni News

Alums help celebrate Ben Derby's wedding in N.M.



Ben Derby (PHD '20), far left, got married on Oct. 22 in Taos, New Mexico. Joining the festivities were **Brian Iezzi** (Shtein, PHD '22), **Avi Bregman** (Taub, PHD '20), **Max Powers** (Misra, PHD '21), MSE senior facilities engineer Keith McIntyre, and **Kathleen Chou** (Marquis, PHD '21). Ben, a past member of the Misra group and former GSC president, currently works at Los Alamos National Labs (LANL) in Los Alamos, N.M.

Public health updates

Health experts are warning of a "triple-demic" this winter -- the convergence of three respiratory illnesses: Covid, the flu and RSV. Here are some tips on how to keep yourself safe:

How to protect yourself from getting sick

- **Get vaccinated.** Updated COVID-19 booster shots and influenza vaccines are available at University Health Service by appointment and at pop-up clinics across campus. On-campus flu clinics are also available. They are open to U-M students, faculty and staff. Local pharmacies also provide convenient access to vaccines.
- **Consider wearing a mask when around others, especially in crowded**

indoor settings. Well-fitting masks and high filtration respirators remain effective tools to significantly reduce the likelihood of acquiring all respiratory viruses.

- If you have a higher risk of complications due to underlying medical problems or are immunocompromised, you may want to limit potential exposure to illnesses by avoiding large crowds, especially indoors. **Assess risk before attending large gatherings**

How to protect others when you are sick

- **Stay home when sick.** If you do not feel well or have new symptoms — cough, sore throat, nasal congestion, fever or fatigue — avoid gatherings and stay home.
- **Wear a mask, if you must go out.** Choose an N-95 or other medical grade mask to help limit the spread of respiratory droplets.
- **Get tested.** If you do not feel better with time and rest, consider getting tested. UHS offers one test that can detect four types of respiratory illnesses: COVID-19, Influenza A and B, and RSV.

Students and UHS patients can [schedule an appointment through the patient portal](#) or by calling 734-764-8320. Faculty and staff can seek a test through Occupational Health Services by using the patient portal (preferred) or calling OHS at 734-764-8021. [Read more.](#)

Job opportunities

Exponent Consulting info session Nov. 11

MSE alum and MSE External Advisory Board chair Jason Hertzberg, corporate vice president & principal engineer at Exponent, will lead this informational session at NCRC on Friday at 3:30. Check it out!

Life as an Exponent Consultant: From Associate to Corporate Vice President

Date: Friday, November 11, 2022

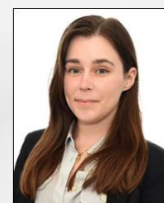
Time: 3:30 PM – 4:30 PM EDT

Location: North Campus Research Complex
Building 10 | Room ACR1
(Food will be provided!)

Speakers: **Jason Hertzberg, Ph.D., P.E.** (Class of 1997)
Corporate Vice President & Principal Engineer



Lawren Gamble, Ph.D. (Class of 2018)
Associate | Mechanical Engineering



**Share Your
Contact
Information
Here!**



All levels of Ph.D. students and Postdocs are invited.
For questions on how to apply, please email **Lauren Rhodes** at lrhodes@exponent.com (please include your CV).

At Exponent, we work on many of the most challenging and prominent engineering and scientific problems in the world. If you are a Ph.D candidate, or Postdoc, with strong communication skills, are motivated to learn on the job, and have a desire to apply your education in unexpected and innovative ways, Exponent will be an exciting opportunity for you! We invite you to learn more about how you can make a difference through engineering and scientific consulting.

UC San Diego looking for jr. faculty in quantum materials



The [Department of Physics](#) at the University of California, San Diego is committed to academic excellence and diversity within the faculty, staff and student body and invites applications for a tenure-track faculty position at the rank of Assistant Professor. Candidates with research interests in Theoretical Quantum Materials Physics are particularly encouraged to apply. Candidates must have a strong record of research accomplishment, an innovative research plan, and a demonstrated ability or potential for excellence in teaching. All positions are subject to availability of funding.

Teaching in physics, and related topics, will be expected. Ideally, the candidate will have skills and interest in teaching lab and lecture courses at the graduate and undergraduate levels.

Basic qualifications

- Ph.D. or advancement to candidacy in Physics or a closely related field.

Preferred qualifications

- Demonstrated excellence in research.
- Commitment to equity and inclusion in higher education.

A successful candidate should have a well-articulated plan of contributing to programs that increase the access and success of underrepresented students and faculty in the sciences. We especially welcome candidates who have already participated in, contributed to, or created such programs, can articulate how this experience helped shape their plan, and who have a commitment to helping shape and expand the University's diversity initiatives. Applications should include a statement describing past and/or potential contributions to equity, diversity, and inclusion.

Next review date is Thursday, Dec. 15. [Apply here.](#)

Ford Foundation Fellowship Programs



**FORD FOUNDATION
FELLOWSHIP
PROGRAMS**

**2023 Dissertation and Postdoctoral
Application Deadline:
December 8, 2022, 5 pm EST**

**2023 Predoctoral Application Deadline:
December 15, 2022, 5 pm EST**

www.nas.edu/ford

NATIONAL ACADEMIES Sciences
Engineering
Medicine

The National Academies is accepting applications for the 2023 Ford Foundation Fellowship Programs. Eligibility and application information can be found [here](#).



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