

#### Welcome to TeamMSE Vol. 5 - October 25

If you have information you'd like to share with the community in our next issue, due out on Nov. 8, please email **Kristen Freshley** at krisfres@umich.edu by Sunday, Nov. 7.

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

#### **Carving out some Halloween fun**



MSE students Marisa Perez, Yumeng Bai, and Kate Moo pose with their creations at MMS' pumpkin-carving event last Thursday night in Mason Hall.



In a testament to how well the vaccines are working, there are only two(!) Covid-related items of note this week (exciting news in and of itself!):

#### Sanctions for non-vaccine compliant employees kick in Nov. 8

U-M staff have until Nov. 8 to report the start of their vaccination process or request an exemption. Staff who are not compliant by then will not be allowed to work for 30 days. If they do not come into compliance by Dec. 8, their

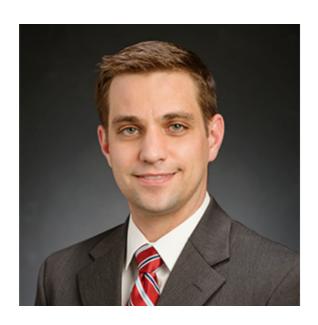
employment will be terminated. Only a few hundred employees - the majority of which are temporary staff - are believed not to be in compliance.

#### Comeback Commencement for 2020 graduates set for May 7

The university is planning a 2020 Comeback Commencement Ceremony at 1 p.m. May 7 at Michigan Stadium. Graduates will be honored not only for completing their degrees, but also for their resilience and fortitude during challenging times. Click here for more details.



## Next two seminar speakers: Chris Evans of UIUC and MSE's Claudia Loebel



Chris Evans, Assistant
Professor at the University of
Illinois Urbana-Champaign, will
present "Using dynamic covalent
chemistry to control assembly,
relaxation, and transport in
polymer networks" this Friday,
Oct. 29 at 10:30 in 1670
Beyster. Zoom link:

umich.zoom.us/j/96945804662.

Passcode: 575049

On Nov. 5, MSE Assistant
Professor Claudia Loebel will
present "Engineered hydrogels
to guide progenitor cell selforganization and function" at

10:30 a.m. in 1670 Beyster.

Zoom link:

umich.zoom.us/j/95539585457

Passcode: 177255



### Next two MMS Luncheon speakers: GM and MC3 Pulmonary



Friday, October 29 11:30-12:30 p.m. Rm 1303 EECS

This week's MMS Luncheon will feature a presentation by a representative from General Motors.

Friday, November 5 11:30-12:30 p.m. Rm 1303 EECS

On Friday, Nov. 5, join us to learn about MC3 Cardiopulmonary.



#### MSE Trick-or-treating this Friday, Oct. 29!



### MSE undergraduate and graduate students!

In honor of Halloween next weekend, please stop by the MSE Main Office (3062 H.H. Dow) this **Friday, October 29** starting at 10:00 a.m. for some sweet treats!

#### **GSC's Spooky Board Games this Friday**

















Come for some board games with your fellow graduate students this **Friday, Oct. 29, 4:30-6:30 p.m**. If you have a favorite game, please bring it and share! Pizza and candy will be provided. Contact GSC if you have questions.

#### Sandwiches & Speakers with MSE GSC

Wednesday, October 27 & November 3

#### 12-1:00 p.m./3358 A Duderstadt

Multiple student organizations in engineering -- including MSE GSC -- are facilitating the Sandwiches and Speakers Series (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. Sign up here.



#### How pearls achieve nanoscale precision



In research that could inform future high-performance nanomaterials, an international team led by the Hoven group has uncovered for the first time how mollusks build ultra-durable structures with a level of symmetry that outstrips everything else in the natural world, with the exception of individual atoms. **Read more**.



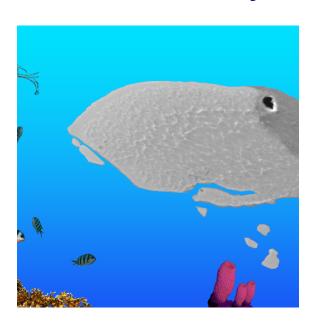
## Materials tour created by MSE graduate students now running at UMMA



A GSC outreach team led by **Brian lezzi** and **Paul Chao** researched and created a self-guided materials tour that explains the science behind select art objects. The tour will run through Summer 2022. **Read more**.

# Contests

## MSE 2022 Calendar Art contest - deadline extended to Friday, November 5!



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 title and scientific caption) <a href="here">here</a>. Submissions are due by Friday, Nov. 5 at 11:59 p.m. EST.

# Job Opportunities

**Apple looking for Materials Engineer** 



### Full-time position at Apple in Santa Clara Valley (Cupertino), California

As a member of the Alloy Engineering team at Apple, you will help create the next generation of the world's finest consumer electronic devices. You will drive the rapid advancement of alloys, coatings, and processes that are the building blocks of our products. This position will interface within Alloy Engineering and directly with other Product Design, Operations, and Industrial Design teams to advance and shape Apple's advanced materials. To learn more and/or submit your resume, click here.

# Job opening at Sandia Nat'l Labs: R&D Scientist, In-situ Electron Microscopy and Materials Characterization



### Full-time position at Sandia National Laboratories in Albuquerque, N.M.

The Center for Integrated Nanotechnologies (CINT) is seeking a staff scientist to support the nanoscience user community and perform basic science research in the field of in-situ transmission electron microscopy (TEM). The position is an equal balance of user proposal collaborations, with researchers from all over the world, and doing research in support of internally funded projects relevant to Sandia's mission. This staff scientist will be responsible for a state-of-the-art environmental TEM laboratory and will work alongside CINT's other microscopists and postdocs to support user collaborations on topics such as nanoparticle assembly, nanoparticle synthesis, interfacial charge transfer, batteries, corrosion, fracture, degradation, ion beam irradiation, ion implantation, annealing, chemical reactions, phase transformations, nanomechanics, and new capability developments. This is an exciting opportunity to join a highly productive and collaborative network of scientists. **To learn more and/or begin the application process**, click here.

#### **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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