



Happy Fall!

Yes, as of Thursday we are officially in the pumpkin spice season! In today's issue we have more events and news you can use, including the kick-off of our 2023 MSE calendar images contest!

Our next issue will be published on Monday, Oct 10. If you have information you'd like to share with the community, please email Kristen Freshley at krisfres@umich.edu by Sunday, Oct. 9. Any and all suggestions/comments regarding TeamMSE are always welcome. Happy reading!

Upcoming Events

MSE Apparel Sale forms due Sept. 30

MMS is selling MSE



apparel this fall. Images of the products can be found in [this folder](#). To place your order, please complete [this form](#) by 11:59 p.m. this **Friday, September 30**.

This week's seminar speaker: Ageeth Bol

****NOTE NEW START TIME FOR THE FRIDAY SEMINARS IS 10:15!****

Ageeth Bol, U-M Professor of Chemistry and MSE (by courtesy), will present "Tailoring the Properties of 2D Transition Metal Chalcogenides using Plasma-enhanced Atomic Layer Deposition" this **Friday, Sept. 30 at 10:15 a.m.** in 1670 Beyster.

Zoom link:

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

Passcode: mse890



MMS Events this Week

MMS Ice Cream Social

When: Thursday, 9/29, 7-8 p.m.

Where: 3356 Mason Hall

Come get some ice cream sundaes and hang out!

MMS Luncheon with Nike

When: Friday, 9/30 11:30-12:30

Where: Dow 1010/Virtual

Come hear about Nike and eat some Chela's tacos!

[Zoom Link](#), **passcode: MMS**

Van Vlack Lectureship Oct. 6 & 7



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

Join us for the Van Vlack Lectureship with materials computational expert
Susan Sinnott, MSE chair at Pennsylvania State University:

Thursday, October 6

NCRC Football Room

(lower level of Building 18)

4:00 p.m.

"Materials Design and Discovery"

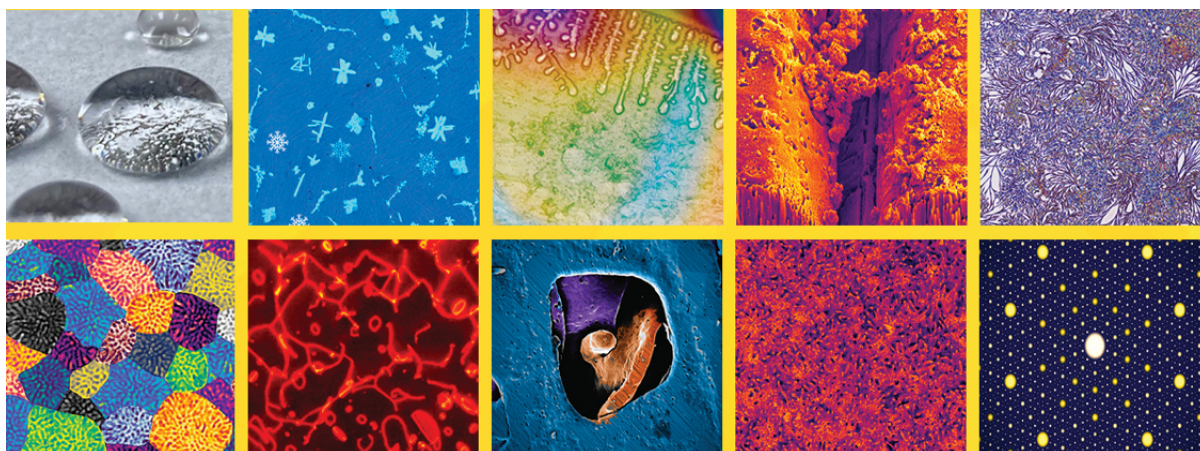
Friday, October 7

1670 Beyster

10:15 a.m.

*"Developing New Materials with
Insights from Computational
Methods"*

Announcing our 2023 MSE calendar images contest!



Students and postdocs: We are once again looking for some cool, creative
"science as art" images to use in our 2023 MSE calendar, as well as other MSE
marketing materials. More details coming soon. **Submissions will be due by**

Events Recap



Our annual Homecoming Luncheon this past Friday featured two alumni speakers: Our 2022 MSE Alumni Merit Award winner **Rita Baranwal** (pictured top left), former DOE Assistant Secretary of Nuclear Energy and current Chief Technology Officer for Westinghouse; and **Liz Holm**, professor at Carnegie Mellon, who will take over as U-M MSE chair in January. [Click here](#) to watch a recording of their talks.

DEI events

SAVE THE DATE



2022 Summit

President Mary Sue Coleman and Vice Provost and Chief Diversity Officer Tabbye M. Chavous are pleased to invite you to attend the Community Assembly and Discussion.

2022 DIVERSITY, EQUITY & INCLUSION SUMMIT

DEI: NURTURING THE HEART, MIND & SOUL

Wednesday, October 12 | 10 — 11:30 am
Power Center for the Performing Arts



FEATURING:

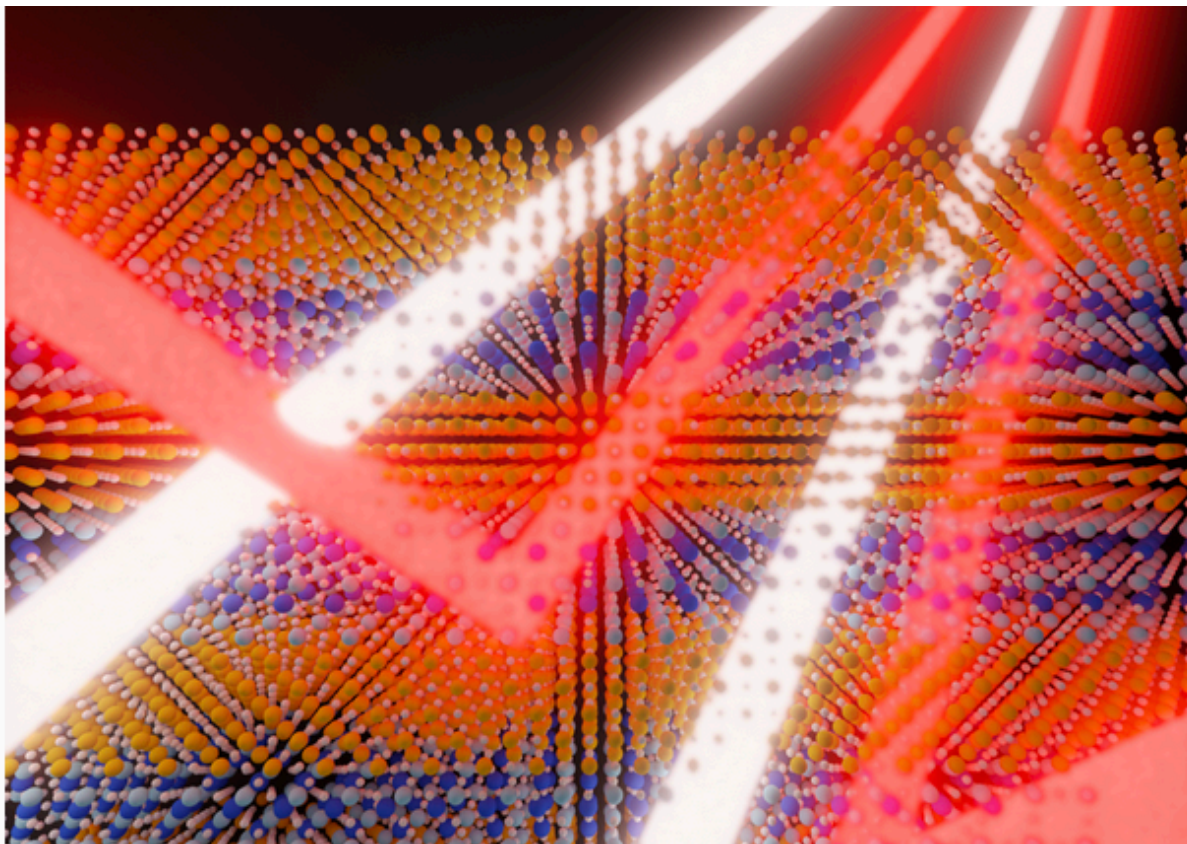
Dr. Todd Boyd, a.k.a. "Notorious PhD," media commentator and hip hop scholar

Sarah Hurwitz, Spiritual advisor and former First Lady Michelle Obama's chief speechwriter

Dr. Dena Scott, Clinical psychologist, Headspace Health

Research highlights

**Heat-resistant nanophotonic material could help
turn heat into electricity**



The Heron group is helping develop a new nanophotonic material that has broken records for high-temperature stability, potentially ushering in more efficient electricity production and opening a variety of new possibilities in the control and conversion of thermal radiation. [Read more.](#)

Student News

Congratulations to this year's student scholarship/fellowship recipients!

The following students received endowed scholarships/fellowships from MSE, the College of Engineering and/or Rackham for the 2022-23 academic year:

Undergraduate Scholarship Recipients

Nathaniel L. Field Scholarship

Aaron Cooke
Edward Spengler

Richard A. Flinn Scholarship

Andrew Danbury

Fontana-Leslie Scholarship

Gabrielle Grey

**James W. Freeman Memorial
Scholarship**

Liam Cotter
Bao Vo

John Grennen Scholarship

Eli Rotman

**Jack J. Heller Memorial
Engineering Scholarship**

Amanda Diddams

William F. Hosford Scholarship

Leah Fleming
Megan Klein

**William F. Hosford Scholarship
(cont'd)**

Raj Koorapaty
Rishabh Kothari
Nina Perry
Denise Schlautman
Matthew Walker
Katie Wei

**Schwartzwalder Memorial
Scholarship**

Erdem Ozdemir
Rachel Rajkumar

**Clarence A. Siebert Memorial
Scholarship**

Alexa Goldstein
Kevin Masel
Brianna Roest

**Alfred H. White Memorial
Scholarship**

Abigail Ahn
Zeyuan Hu
Reegan Ketzenberger

Graduate Fellowship Recipients

Archi Agrawal

Robert D. and Julie A. Pehlke
Endowed Fellowship,
Frederick N. Rhines Fellowship

Tiernan Baucom

Kenneth and Judy Betz Fellowship

Paul Chao**Benjamin Justus**

Rackham Block Grant Fellowship

Devon Kleeblatt

CoE Endowed Fellowship

Julia Lenef

Rackham Predoctoral Fellowship

Hailey Lovelace

J. Beyster Computational Innovation
Graduate Fellowship
Soumyadeep Dasgupta
CoE Graduate Fellowship
Nicholas David
CoE Graduate Fellowship
Daniel Delgado
Rackham Merit Fellowship
Kelotchi Figueroa
National Science Foundation,
Rackham Merit Fellowship
Vishwas Goel
Rackham Predoctoral Fellowship
Duncan Greeley
Rackham Predoctoral Fellowship
Douglas Heine
CoE Endowed Fellowship
Joy Hendrix
Rackham Block Grant Fellowship
Chuqi Huang
Rackham Block Grant Fellowship
Andrew Jalbert
Rackham Block Grant Fellowship

Rackham Block Grant Fellowship
Jason Manassa
Rackham Block Grant Fellowship
Mahlet Molla
Rackham Merit Fellowship
Ruth Oliver
Harry Ferrari Student Fellowship
Celeste Perez
Rackham Merit Fellowship,
Frederick N. Rhines Fellowship
Lingxia Shi
Rackham Block Grant Fellowship
Dongiae Shin
CoE Endowed Fellowship
Suk Hyun Sung
Rackham Predoctoral Fellowship
Flora Tseng
Rackham Block Grant Fellowship
Varun Venkatesh
Rackham Block Grant Fellowship
Victor Vogt
CoE Endowed Fellowship

Schwartz receives DOE Fellowship



Ph.D. candidate **Jonathan Schwartz** (Hovden group) received the **DOE SCGSR Fellowship** to work at Berkeley National Laboratory this past summer, where he advanced his electron tomography research, developing new methods for visualizing materials 3D chemistry and structure at high resolution. Congratulations, Jonathan!

Alumni News

Decker interviewed by AIME as part of Oral History series



Dr. Ray Decker (who holds three U-M degrees in metallurgy) was recently interviewed about his incredible 71-year career by AIME (American Institute of Mining, Metallurgical, and Petroleum Engineers) as part of its Oral History series. [Decker](#) is Chief Technology Officer of Thixomat/nanoMAG, LLC, an MSE Adjunct Professor, and a member of the MSE External Advisory Board. He also is a member of the Board of Managers of QuesTec Innovations, LLC. and was elected to the National Academy of Engineering in 1980. "This is significant recognition and an important legacy for the next generation," commented incoming MSE chair Liz Holm.

Campus health updates

Free depression screenings at the Dude Oct. 6

GET A FREE DEPRESSION SCREENING

THURSDAY, OCT. 6th • 10 AM - 2 PM

DUDERSTADT CENTER • ROOM 1180

*** OPEN TO THE PUBLIC ***



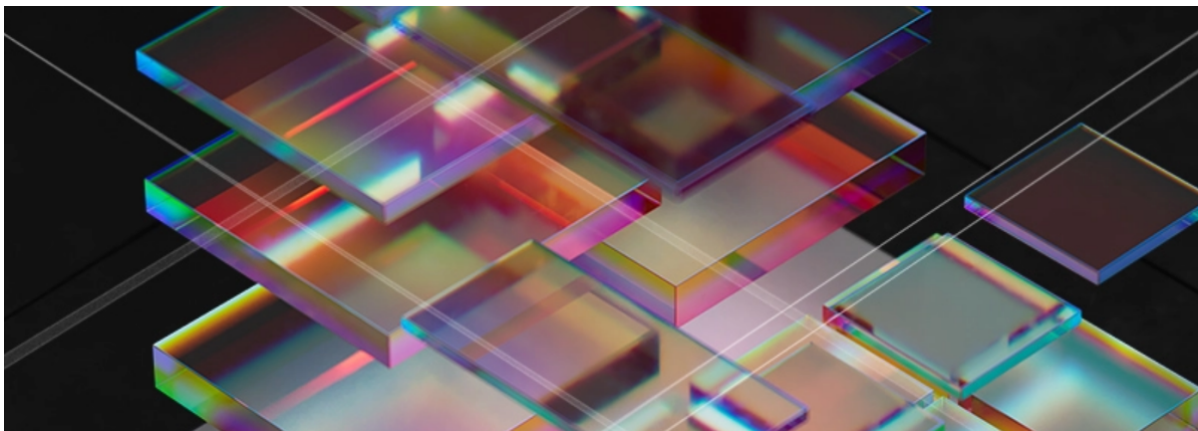
depressioncenter.org

Free walk-in flu vaccine clinics

Michigan Medicine is sponsoring free walk-in flu vaccine clinics across campus this fall, from September - November. No registration necessary. All students, faculty and staff are welcome to attend. The next clinic on North Campus will be **Tuesday, Oct. 11** at Pierpont Commons. See the complete list of clinic dates and locations [here](#).

Job opportunities

**Taiwan Semiconductor Manufacturing
opportunities**



Taiwan Semiconductor Manufacturing Corporation is the world's largest semiconductors contract manufacturer, and produces the most technologically advanced chips for customers like Apple, AMD, Qualcomm, and Nvidia. They have a large number of full time and internship positions in Taiwan, offices in San Jose, and their new fab in Arizona for students at all levels.

Apply Now:

Info session: <https://forms.gle/ytUKuPao8H3GgXrA6>

Full Time: <https://www.linkedin.com/jobs/view/3215197730>

Internship: <https://www.linkedin.com/jobs/view/3238311576>

Lehigh University looking for MSE Asst. Professor



The MSE Department at Lehigh University currently has an opening for a tenure-

track faculty position as an Assistant Professor to begin August of 2023. Areas of interest include **physical/mechanical metallurgy with expertise in electron microscopy and modeling/simulation**. Learn more and apply [here](#).

UCF looking for MSE Asst. Professor



The University of Central Florida (UCF) is recruiting one tenured/tenure-track Assistant or Associate Professor for the university's research center on Resilient, Intelligent and Sustainable Energy Systems (RISES) with a start date of August 2023. Qualified candidates must have research impact, as reflected in high-quality publications and the ability to build an externally funded and sustained research program. The ideal candidate will work at the intersection of several areas, such as Battery Storage Technologies, Renewable Electrolysis, Grid Integration, and/or Energy Storage Analysis. Prior work experience with energy storage systems is highly preferred, and all relevant technical areas will be considered.

Questions regarding this search can be directed to facultysearch@ece.ucf.edu. To apply click [here](#).

Postdoc opportunities through Air Force Fellowships



The National Academies of Sciences, Engineering, and Medicine administers postdoctoral and senior research awards at the U.S. Air Force Research Laboratory (AFRL), the U.S. Air Force Institute of Technology (AFIT), and the U.S. Air Force Academy (USAFA) under the Air Force Science & Technology Fellowship Program (AF STFP).

Awardees have the opportunity to:

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

Awardee benefits:

- Base salary of \$76,542; may be higher based on experience
- Health insurance, relocation benefits and a professional travel allowance

Application deadlines:

- February 1
- May 1
- August 1
- November 1

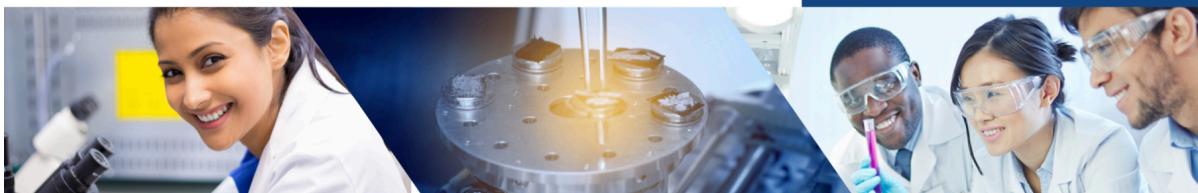
Applicants should contact prospective AFRI, AFIT and USAFA Research Adviser(s) at the lab(s) prior to the application deadline to discuss their

research interests and funding opportunities.

For detailed program information, to search for AFRI, AFIT, and USAFA Research Opportunities, and to contact prospective Research Adviser(s), visit www.nas.edu/afstfp.

DOE-sponsored application workshop October 20

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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