



Happy New Year!

If you have information you'd like to share with the community in our next issue, due out on January 17, please email [Kristen Freshley](mailto:krisfres@umich.edu) at krisfres@umich.edu by Sunday, Jan. 16.
Any and all suggestions/comments regarding TeamMSE are welcome, too!

The Latest Covid News

We hope you got some well-earned rest over break and are ready to start the Winter term! The following is a summary of new Covid safety measures recently released by

the university:

Winter term will be in-person

As more and more schools across the country announce that they will start the semester in a remote format, U-M classes are currently still scheduled to resume in-person learning and activities on Wednesday, January 5. School officials continue to closely monitor the situation around the Omicron variant as well as COVID-19 case activity on campus, and continue to seek guidance from a team of public health experts. As a reminder, the vaccination rates of the U-M student community and faculty are among the highest in the entire state and country.

Pre-Arrival/Arrival Testing Expectations for all Students

Before you arrive:

- **Get a COVID-19 test within 3 days** before you travel back to Ann Arbor or campus.
- **If your results are negative**, continue with your travel plans.
- **If your test result is positive**, DO NOT come to campus or Ann Arbor. [Report your positive test result](#) and complete your recommended isolation period before traveling to campus or to Ann Arbor. If you will be subject to isolation when classes start, please communicate your academic needs/arrangements with faculty members directly.

After you arrive:

- **Get a COVID-19 test** as soon as possible once you arrive in Ann Arbor or on campus through the [Community Sampling and Tracking Program](#). (*Note that if you've previously tested positive in the past 90 days you are exempt from testing.*)

Additional safety measures

In addition to the previously announced requirement for all students, faculty and staff to get a COVID-19 vaccine booster, U-M announced these new safety measures on Dec. 28:

- All students living in a campus residence hall must get a COVID-19 test upon arrival through U-M's [Community Sampling and Tracking Program](#).
- Students must wear face coverings in the common areas of residence halls and in recreation sports facilities at least through Jan. 17.
- Starting Jan. 1, everyone attending ticketed events, including on-campus performances and athletic events, must show proof of vaccination or a negative COVID-19 test within 72 hours. For the U-M community, vaccination verification can be done through the ResponsiBLUE app.
- The university is recommending that food and/or drink not be served at on-campus gatherings to minimize the need to remove masks.

Report your COVID-19 vaccine booster shot

If you haven't done so already, please [report your booster to UHS](#).

What happens if you test positive?

- Students who test positive will need to isolate for 10 days from their test date.
- It is the student's responsibility to notify the instructor that they are not able to attend class due to illness.
- The local Health Department or EHS will view the positive results and complete a case investigation to identify close contacts, and contract tracers will notify them directly to quarantine.
- As long as no new symptoms develop, and other symptoms are improving, the student will be allowed to return to class 10 days from the date of positive test.
- The student who had a positive test will remain anonymous unless they identify themselves.

Where to turn for more campus Covid information

Campus Blueprint has put together a new [FAQ page](#) with answers to the top-asked Covid questions.



Ethan Sprague defense January 5



Ethan Sprague, a member of the Misra group, will present "Characterization of Direct Metal Deposition Printed Copper-Iron Alloys" **Wednesday, Jan. 5** at 10:00 a.m. in 3158 HH Dow (Pod Room), or via Zoom: umich.zoom.us/j/7391083221
Passcode: misra
Best wishes, Ethan!

DEI Lecture with Rosemary Perez Jan. 7

The 2022 winter seminar series will kick off with a DEI Lecture featuring Rosemary Perez of the Center for the Study of Higher and Postsecondary Education. She will present "(Re)engaging the Role of Diversity, Equity, and Inclusion in Graduate Education" on **Friday, January 7** at 10:30 a.m. in 1013 HH Dow, or via Zoom:

umich.zoom.us/j/92889450313

Passcode: 175630



Seminar speaker Jan. 14: Jouha Min



Assistant Professor Jouha Min, U-M Chemical Engineering, will present "Innovating Biomaterials Design for Precision Medicine in Drug Delivery, Nanoscience and Biosensing" **Friday, January 14** at 10:30 a.m. in 1013 HH Dow, or via Zoom:

umich.zoom.us/j/96801515969

Passcode: 003736

Collegiate professorship ceremony for

Amit Misra: Friday, Jan. 14



MSE Department Chair **Amit Misra** was appointed Edward DeMille Campbell Collegiate Professor of Materials Science and Engineering during the AY19-20. The recognition ceremony, postponed due to the pandemic, will be hosted by College of Engineering Dean Alec Gallimore on **Friday, January 14** at 3:30 p.m. in the Johnson Rooms, LEC. As part of the proceedings, Professor Misra will present "Laser Processed Hierarchical Metallic Alloys." A reception will immediately follow in Masco Commons.

Research News

From the Tuteja group: Spray-on coating could make solar panels snow-resistant



(Above) Watch how a cold-weather friendly formula developed by a team led by Anish Tuteja effortlessly sheds snow/ice accumulation in Alaska test. Read more about this exciting research [HERE](#).



**CONGRATULATIONS to our
December 2021 graduates!**





**MATERIALS SCIENCE
& ENGINEERING**
UNIVERSITY OF MICHIGAN

Undergraduates

Nicholas Champion

Nicholas Ho

Jonas Murphy

Claudia Sandoval

Zane Woerner

Master's

Taorui Chen

Lindsay Gubow

Ju Won Lim

Chia-Heng Lin

Kang-Ting Tseng

Karen Ni

Grant Saxman

Ph.D.

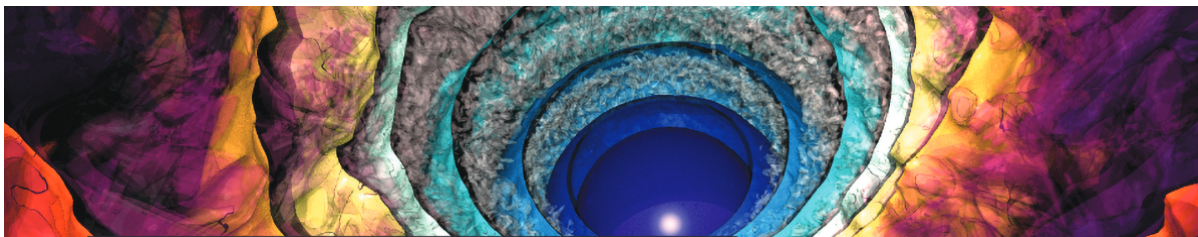
Job/Research Opportunities

University of Tennessee looking for IBML Scientific Director and T/TT Faculty Member



The University of Tennessee, Knoxville (UTK) is seeking doctorate-level applicants to fill a tenured/tenure-track faculty position at the Associate or Full Professor level starting August 1, 2022. This position will be located in the Department of Materials Science & Engineering or the Department of Nuclear Engineering, depending on the technical background and interests of the applicant; a joint appointment in both departments is also feasible. The successful candidate will serve as the UTK campus scientific leader for the Ion Beam Materials Laboratory (IBML), which is a multi-user, multidisciplinary Core Facility that provides unique capabilities for ion beam analysis, ion implantation, ion beam modification and ion irradiation services. To learn more about the position and/or apply, [click here](#).

Dept. of Energy (DOE) Graduate Fellowships



[DOE Computational Science Graduate Fellowship for PhD Students](#)

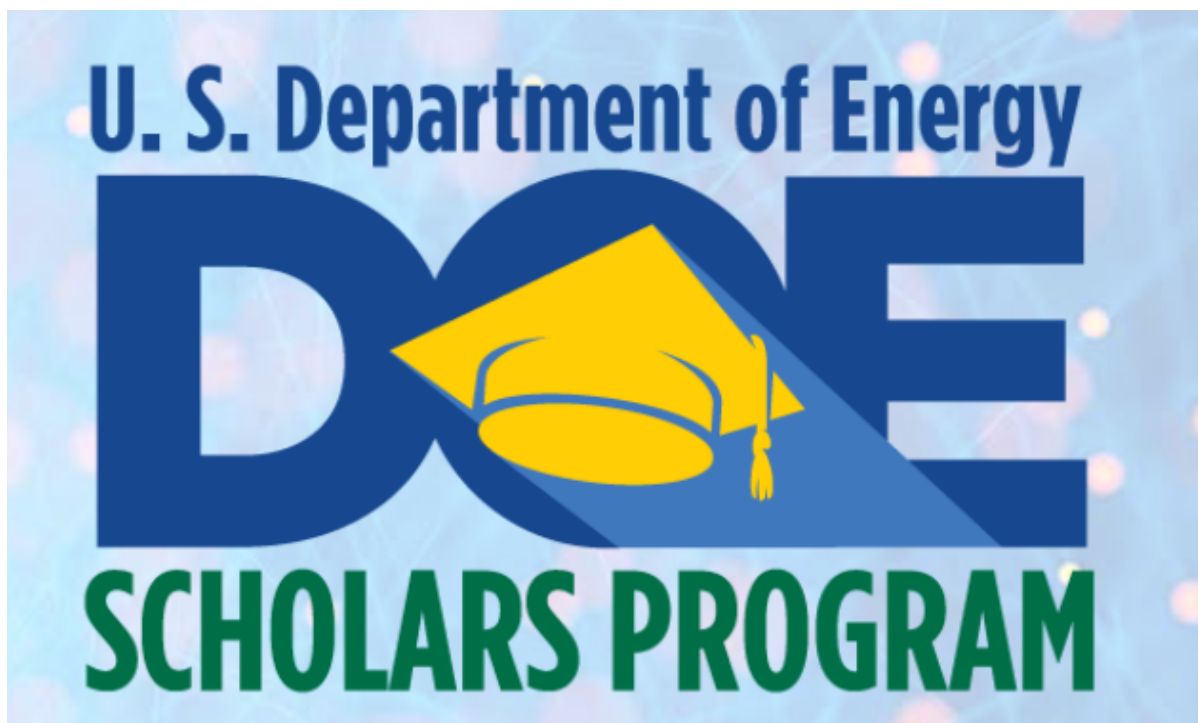
Application deadline January 12, 2022

[DOE NNSA Stewardship Science Graduate Fellowship](#)

Application deadline January 5, 2022

[DOE NNSA Laboratory Residency Graduate Fellowship](#)

Application deadline March 16, 2022



The DOE Scholars Program introduces students and recent college graduates to the Department of Energy (DOE) mission and operations.

The DOE Scholars Program aims to create a pipeline of highly qualified talent in disciplinary fields that support mission-critical areas of the U.S. Department of Energy (DOE) in the following areas:

- Energy Security

- Nuclear Security
- Scientific Discovery and Innovation
- Environmental Responsibility
- Operations and Management
- Cyber Security
- Safeguards and Security
- Technological Advancements

Being selected as a DOE Scholar offers the following benefits:

- Stipends starting at \$600/week for undergraduates and \$650/week for graduate students and post graduates during the internship period
- Limited travel reimbursement to/from assigned location
- Direct exposure to and participation in projects and activities in DOE mission-relevant research areas
- Identification of career goals and opportunities
- Development of professional networks with leading scientists and subject matter experts

Eligibility

- Be a U.S. citizen
- Be an undergraduate, graduate student or recent graduate of an accredited institution of higher education.
- Must be pursuing a degree or have received a degree within 5 years of starting date in a STEM discipline or in a field that supports the DOE operations mission.

Apply at www.zintellect.com/Opportunity/Details/DOE-Scholars-2022-Gen

Application deadline: January 7, 2022, 8:00 a.m. Eastern Time Zone

For more information: <https://orise.ornl.gov/doescholars>

Download program flyer: <https://orise.ornl.gov/doescholars/files/doescholars-flier.pdf>

Questions? doescholars@orise.ornl.gov



Caltech is now accepting applications for our WAVE Fellows undergraduate research program.

Please share with students and colleagues. Thank you!

The WAVE Fellows program provides support for undergraduate students, who are underrepresented in STEM and intend on pursuing a Ph.D., to conduct a 10-week summer research project under the mentorship of Caltech faculty.

Research opportunities in biology, neuroscience, chemistry, chemical engineering, engineering and applied science, geology, environmental science, sustainability, astronomy, physics, nanotechnology, quantum sciences, humanities, social science, and more!

Research-specific [information sessions](#) are scheduled starting on November 3. This is a chance to learn more about the program, application process, and meet Caltech faculty in different disciplines.

Applications due Jan 7, 2022.

Program dates: June 13 - August 19, 2022.

ELIGIBILITY

Applicants must be current sophomores, juniors, or non-graduating seniors;
have a cumulative GPA of at least 3.2;
be a US citizen, permanent resident, or have DACA status.
Strong applicants are encouraged to have prior research experience.

PROGRAM HIGHLIGHTS

Graduate school prep workshops
Faculty seminars
Networking events
Writing workshops
Social activities

[Click here](#) for more information.

Questions about the WAVE Fellows program can be directed to [Carol Casey](#).

APPLY NOW!

Tenure-track and Postdoc Positions

If you are interested in academic positions in MSE, please review the postings listed on the [University Materials Council website](#).



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