



Welcome to TeamMSE Vol. 6 - November 8

If you have information you'd like to share with the community in our next issue, due out on Nov. 22, please email [Kristen Freshley](mailto:krisfres@umich.edu) at krisfres@umich.edu by Sunday, Nov. 21.
Any and all suggestions/comments regarding TeamMSE are welcome, too!

Forging some fall fun



The U-M Blacksmithing Club at a forging session on Saturday, Oct. 30. Photos provided by Jesse Hu.

The Latest Covid News

Unfortunately, the Covid news this week is not as positive as last time. Over the past two weeks COVID cases have been rising due to social gatherings and household exposures. SO, as the colder weather forces us into more activities indoors, it is important to remember to wear a face covering, make good decisions when interacting and **stay home if you're sick!** We've also got the flu to worry about now, too...

This year's flu forecast is concerning. Please consider getting a flu shot!

UHS is seeing more students with influenza and strep infections. Because the flu is expected to be a bigger concern this year, [UHS](#) is increasing the number of flu vaccine appointments. Flu shot information for faculty and staff is available [here](#). The [Washtenaw County Health Department](#) has answers to questions about the flu vaccine and a non-university vaccine locator. Local pharmacies also offer the flu shot.

Holiday travel COVID-19 testing Nov. 18-20

In anticipation of holiday travel, U-M will provide free, pop-up, [rapid antigen testing](#) on campus Nov. 18-20 to the university community. Registering in advance using the online portal [here](#) is recommended. Please note that antigen testing does not meet CDC requirements that call for PCR testing for international travel; however, the [Community Sampling and Tracking Program](#) does offer PCR tests.

Contact tracing explained

In response to requests for more information, the university has updated the [Maize and Blueprint FAQ](#) on what happens when a student in a class tests positive for COVID-19.

U.S. lifts international travel restrictions

Today the U.S. lifted travel restrictions for 33 countries and implemented vaccination requirements and proof of a negative COVID-19 test. The U-M International Center has additional [details](#).

Upcoming MSE events

Next two seminar speakers: **Alberto Salleo** of Stanford and Wash U's **Katharine Flores**



Alberto Salleo, MSE Chair at Stanford, will present "Polymers that remember: Using protons and electrons to impart plasticity to semiconductors" this **Friday, Nov. 12** at 10:30 in 1670

Beyster. Zoom link:

umich.zoom.us/j/98969006251.

Passcode: 885547

On Nov. 19, Katharine Flores of Washington University (St. Louis) will present "High-throughput Investigations of Phase Formation and Mechanical Properties in Complex Metallic Alloys" at 10:30 a.m. in 1670 Beyster. Zoom link:

umich.zoom.us/j/99096797132

Passcode: 839292



Next two MMS Luncheon speakers: Nike and MSE alum Jody Hall



Friday, November 12 Virtual

Lace up and join us for week's MMS Luncheon, which will feature a presentation by a representative from Nike. Look for Zoom link later this week.

Friday, November 19 11:30-12:30 1303 EECS

Join us for this in-person professional development luncheon with MSE alum **Dr. Jody Hall**. Recently retired, Dr. Hall worked for 30 years for General Motors. In 2014 she joined the Steel Market Development Institute (SMDI) a unit of the American Iron and Steel Institute, where she served as Vice President.



Sign-up deadline TODAY for MSE virtual outreach sessions on Nov. 18 & 19

MSE Outreach will be presenting and demonstrating how to make batteries to students at Washtenaw International. Volunteers are needed on **Thursday, November 18 (8:30 a.m.-9:45 a.m.)** and **Friday, November 19 (10 a.m.-11:20**

a.m.) to work with small teams of students to experiment with trying different battery electrodes out and measuring the voltage change. As a volunteer, you won't be going in person, you will be joining a virtual Zoom meeting. A discussion guide and training will be provided before the Outreach event. If you are interested in volunteering for this event, please let the team know what your availability are for these two dates.

Please [sign up](#) TODAY (Nov. 8) so MSE Outreach can contact you about further planning.

Contact Brian at bciezzi@umich.edu with any questions.

Introducing GSC-sponsored Potlucks



The MSE GSC plans on sponsoring a NEW series: POTLUCKS that will be hosted by members of our graduate community. Due to limited food sharing on campus, this proposed series will be an opportunity for small gatherings among students at their homes.

We will provide a small stipend for participants to assist them in purchasing supplies for this event. This form will be used to find both hosts and participants with whom we can match. So share this with a friend and sign up! It will then be up to these small groups to find a date and time when they can do the event. We will follow up after you fill out the form with who are interested and the reimbursement process.

Sign up [here](#).

Sandwiches & Speakers with MSE GSC

Wednesday, November 10

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

Multiple student organizations in engineering -- including MSE GSC -- are facilitating the Sandwiches and Speakers Series 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](#).

MMRI Seminar Series Friday, Nov. 12: Bill Huber of First Solar



You're invited to MMRI's Seminar Series on **Friday, Nov. 12 at 2:00 p.m.** (via Zoom). Bill Huber from First Solar Inc. will present "CdTe PV: Innovation through Material Breakthroughs." Add this seminar to your calendar [here](#) and read the full announcement (including abstract) [here](#).

MMS Bar Crawl: this Saturday, Nov. 13

The theme this semester is **flannels**, so wear your favorite flannel and join us! Schedule is: Good Time Charley's: 6-7:30; Brown Jug: 7:30-8:30**; Blue Leprechaun: 8:30-9:30**; Rick's American Cafe: 9:30-TBD**.



****You must be 21 or older to enter the last three locations, but everyone is welcome for the beginning portion of the evening! [RSVP here.](#)**

Faculty News

Kotov Receives MRS David Turnbull Lectureship Award



Professor Nicholas Kotov has been named the 2021 MRS David Turnbull Lecturer for his "foundational discoveries in interface-based engineering of self-organizing materials." Kotov will present "Nanoscale Biomimetrics: From Self-Assembled Nanocomposites to Chiral Nanostructures" on Dec. 2 during the MRS Annual Meeting in Boston. [Read more.](#)

Remembering CK Tien, wife of TY Tien

We were saddened to learn of the recent passing of Chin-Kai (CK) Tien, wife of former MSE faculty member TY Tien. The Tiens, who escaped mainland China during the Communist revolution, came to Ann Arbor in 1966. During their 40 years here, CK taught Chinese language, owned a Chinese grocery store in Kerrytown, and obtained her realtor license. She was 93. [Read more](#).



Job/Research Opportunities

ATI looking for titanium product engineer

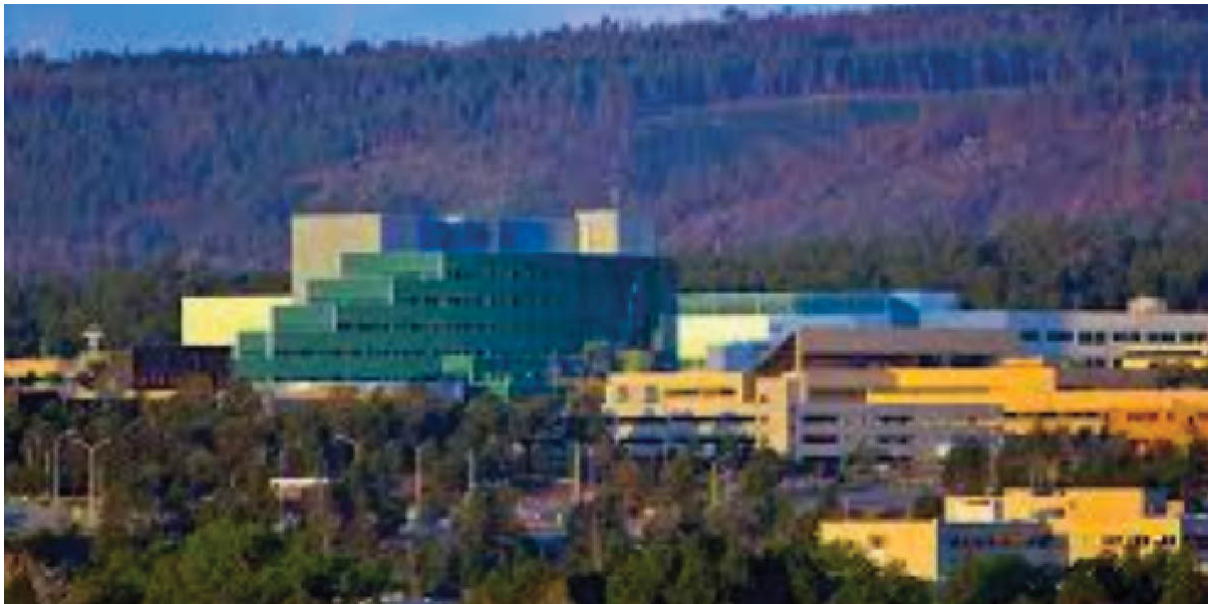


Full-time position at ATI Specialty Materials in Monroe, N.C.

ATI is looking for a titanium product engineer in Monroe, North Carolina, about 45 minutes southeast of Charlotte. The position involves managing the product lines that manufacture titanium billet (used in closed-die forgings for aerospace & defense industries) and titanium bar (used, for instance, in aeroengine & biomedical industries). Like the other engineers in this department, they work

closely with the sales team, operations team, and quality team to make sure ATI customers receive high quality materials while always improving the processes of manufacturing. There's no requirement for already knowing titanium metallurgy – ATI can teach that on the job. [Click here](#) for more information and/or to apply.

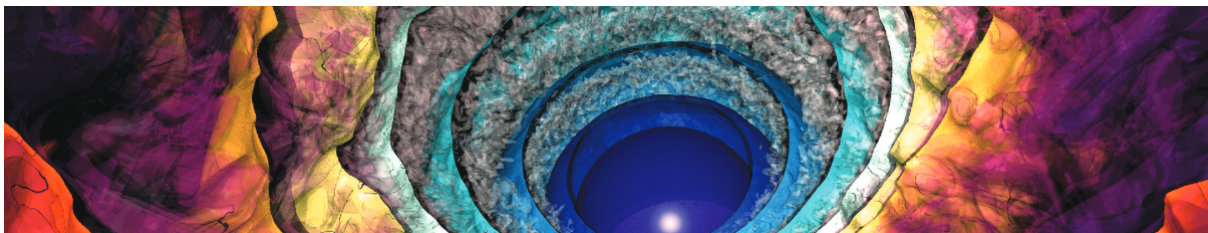
Postdoc position at Sandia Nat'l Labs



Postdoc researchers for Computational Materials and Data Science group in Albuquerque, N.M.

Sandia National Laboratories is hiring postdoctoral researchers in Mesoscale Materials Modeling. Job ID: 679128. [Click here](#) to learn more and/or apply (Search for job number '679128').

Dept. of Energy (DOE) Graduate Fellowships



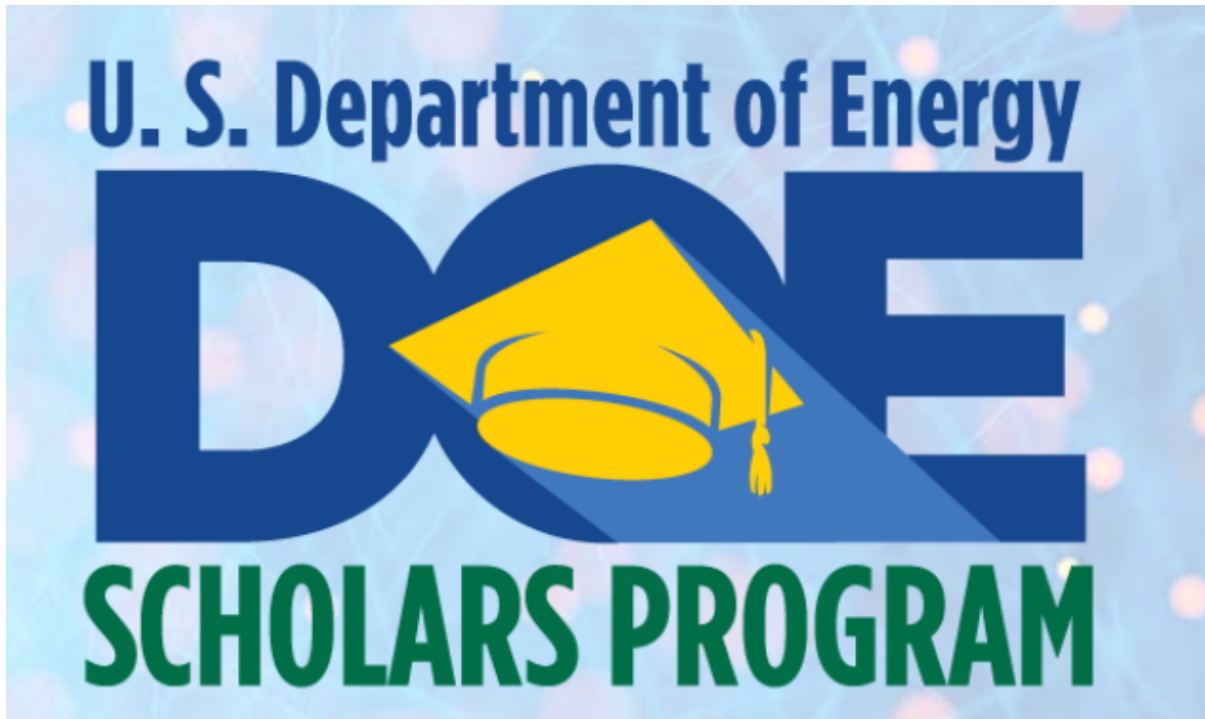
[DOE Computational Science Graduate Fellowship for PhD Students](#)
Application deadline January 12, 2022

[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 of 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.orau.gov/doescholars>

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

Questions? doescholars@orise.orau.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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Our mailing address is:

2300 Hayward St.
3062 H.H. Dow Building
Ann Arbor, MI 48109

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