January 30, 2020

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Career Opportunities

BE Club Meeting - Post- Monday, February 3, 6:30 pm, 119 Farrall

Who: All BE and interested students
What: Kevin Rose, engineer, with Post and BE graduate will speak about his career since leaving the halls of Farrall many years ago and career opportunities. Do not miss this opportunity to network with an alum.
When: Monday, February 3, 2020, 6:30 – 7:30 pm
Where: 119 Farrall Hall

FMA/BE Club industry site visits to Fairlife, Butterball Farms, Adams Plastics and the Grand Rapids Alumni Meet and Greet February 7th

Larry Zink, advisor of the Food Marketing Association club, has coordinated industry visits for next Friday, February 7. This is a fantastic opportunity to see the inside operation of multiple companies. Robert Munro and Phil LaMothe will host the Fairlife tour and presentation. They are both recent graduates of the BE program. I will be one of the van drivers, so if you have questions email me @ reesel@msu.edu.

Deadline to sign up Monday February 3rd noon.
Please go to the following Google Docs form to sign up for the trip. Seats are limited

https://docs.google.com/forms/d/e/1FAIpQLSfO-yIs6HGH3wFOCg4NDpQuePb2O-21VECd7S7g5DLw7tMZF0Q/viewform?vc=0&c=0&w=1
RSVP for FMA/BE Club industry site visits to Fairlife, Butterball Farms, Adams Plastics and the Grand Rapids Alumni Meet and Greet, departing East Lansing, Friday, February 7th, 8:00 am returning 8:00 pm. Seats are limited. We will send a confirmation email for those confirmed and regrets to reservations beyond our limit. Only RSVP if you are 99% sure that you will go. We will be hosting an Alumni Meet and Greet with Grand Rapids area alumni.

PLEASE NOTE THE STARTING LOCATION

7:30AM: Meet Morrill Hall of Agriculture Atrium
8:00am: Depart East Lansing
9:45am-12:15pm: Fairlife Tour/Discussion and Lunch https://fairlife.com/
12:45pm – 2:15pm: Butterball Farm Tour/Discussion https://butterballfarms.com/
2:45pm – 4:30pm: Adams Plastics Tour/Discussion https://www.goadams.com/
5:00pm – 7:00pm: Alumni Meet and Greet
8:00/8:30pm Arrive back in East Lansing

Recent Handshake Opportunities (select)

US Food and Drug Administration (FDA)
Job: Technical Information Specialist, GS-1412-12/13
Employer: US Food and Drug Administration (FDA)
Apply before Wednesday, February 5, 2020 11:55 pm EST

Procter & Gamble (P&G)
Job: MBA Brand Management Camp - 2021 Internship
Employer: Procter & Gamble (P&G)
Apply before Friday, February 28, 2020 9:40 pm EST

Unilever
Job: Unilever & Sir Kensington Food Scientist Internship
Employer: Unilever
Apply before Wednesday, March 4, 2020 9:30 am EST

Niagara Bottling, LLC
Job: 2020 Manufacturing Summer Internship- Tacoma, WA
Employer: Niagara Bottling, LLC
Apply before Friday, January 31, 2020 1:20 pm EST
Niagara Bottling, LLC
Job: 2020 Manufacturing Summer Internship- Houston, TX
Employer: Niagara Bottling, LLC
Apply before Friday, January 31, 2020 1:15 pm EST

The Nature Conservancy
Job: Adirondack Invasive Species Management Steward
Employer: The Nature Conservancy
Apply before Monday, March 2, 2020 11:55 pm EST

The Nature Conservancy
Job: Terrestrial Invasive Species Project Coordinator
Employer: The Nature Conservancy
Apply before Monday, March 2, 2020 11:55 pm EST

Stryker
Event name: Freshmen & Sophomore-Speed Networking with the Partners
When: Speed Networking - Thursday, Feb 6, 9:00 am - 3:00 pm

Internships/Part Time

Local Internships & Student Jobs in Handshake (343)
Attached “Local internships & jobs 1-28-20.xlsx” is a list of 163 employment opportunities with MSU departments (internships, part-time and summer jobs) and 180 off-campus employment opportunities in the Lansing area. All 343 internships and part time jobs are posted in your Handshake account at the CareerNetwork.msu.edu website.

It pays to apply for jobs as soon as possible as employers sometimes close postings quickly. You can learn more about AND apply for jobs through the free online Handshake service.

Once at Handshake, you will need to fill out your profile and upload your resume. With your profile and resume in place, you will be able to search for job openings and submit applications by clicking on the "Apply" button in the job description or following the employer’s instructions.

Here is how to quickly find a specific job posting in Handshake:
Log in to your student account in Handshake at msu.joinHandshake.com
Copy and paste a Job ID number from the attached spreadsheet into the search box
Click search, click on the job title, read the details, and apply if appropriate

Good luck with your student job or internship search!

MSU Career Services Network
Agricultural Sciences Professional Internship Offerings at Walt Disney World - apply by April 1

Dear Educational Partner:

Hello from Walt Disney World in Orlando! The Agricultural Sciences team is looking for undergraduate college students and recent graduates who have received their Bachelors’ degree within 12 months of our internships’ start dates to participate in our fun and challenging six-month hands-on internship in several different agricultural and science education fields including Plant Science, Entomology, Biotechnology, and Aquaculture. Feel free to forward this email along to students and career centers at your university.

We would like to ask for your assistance in advertising this internship opportunity to students at your university by forwarding this email to students and faculty. We are currently looking for students to fill internships for the Fall 2020 term (June 2020 – January 2020). Please encourage students to apply as soon as possible to get the process started; applications will open later today (January 17th).

Desired majors include but are not limited to Ag. Communication, Ag. Education, Agribusiness, Agriculture, Agronomy, Aquaculture, Aquatic Biology, Biology, Biotechnology, Botany, Crop Science, Biological and Biosystems/Agricultural Engineering, Entomology, Environmental Horticulture, Fisheries, Food Science, Horticulture, Landscape Design, Marine Biology, Microbiology, Molecular Biology, Ornamental Horticulture, and Plant Science.

Attached, interested applicants will find information on our internship program as well as how to apply.

We would also like to share a video that the Walt Disney Company created to showcase one of our plant science interns, which features her love for agriculture and why she chose to do the internship. You can find the video at this link:  https://www.facebook.com/DisneyWorldCommunity/videos/2336870386546562/?t=74

Interested students should apply online and should attach their cover letter, resume and school transcript to their application. Selected students will be interviewed via phone to further discuss the internship.

Please refer interested students to http://www.disneointerns.com/science. Have them click on “Enter Job Title or Keywords” then do a keyword search for “Agricultural Sciences” to view internship postings about the Plant Science, Entomology, Biotechnology, and Aquaculture internship positions along with many other science related internship openings. If students have any questions with accessing the site, please have them email us directly at WDW.EPCOT.Science.Internship@disney.com.

msu.joinhandshake.com/jobs/3472178

MSU Extension Internships posted on Handshake

MSU Extension is seeking to fill 16 summer 2020 internships across the state. Three of the internships are extremely applicable to BE students.

Great Lakes One Water (GLOW) Resilient Futures Intern
msu.joinhandshake.com/jobs/3468788

Water Resources Intern
msu.joinhandshake.com/jobs/3468945

Crops, Livestock, and Hort. Education Intern - Housing included
msu.joinhandshake.com/jobs/3468994
Scholarships

**Biosystems and Agricultural Engineering Undergraduate Scholarships – Applications due January 31, 2020**

The BAE Department annually awards about $50,000 of scholarships in multiple categories (undergraduate and graduate). All undergraduate BE students should have a “BAE Undergraduate Scholarships” community listed on D2L. The application form can be found there or attached. Please complete the application and upload it along with your current resume to the assignment dropbox found in the same D2L community by January 31, 2020. Questions should be directed to Dr. Reese reesel@msu.edu. There are no guarantees that you will be awarded a scholarship, but if you are successful -- $1,000+ for 1-2 hours of effort is a beneficial use of time. Good luck and please submit those applications and resumes.

**Biosystems and Agricultural Engineering Graduate Scholarships – Applications due January 31, 2020**

The BAE Department annually awards over $50,000 of scholarships in multiple categories (graduate and undergraduate). All BE graduate students should have a “MSU Biosystems and Ag. Engineering Graduate Scholarships” community listed on D2L. The application process can be found there. Please complete and submit to the assignment dropbox found in the same D2L community by January 31, 2020. Questions should be directed to Dr. Nejadhashemi pouyan@msu.edu.

**Jimmy L. Butt Memorial Scholarship Presented by Michigan Section of ASABE - Applications due January 31, 2020**


The Jimmy Butt Memorial Scholarship consists of up to two $500 scholarships to be awarded each year. One for a Freshman/Sophomore student and one for a Junior/Senior student registered as an Agricultural Engineering or Biological Systems Engineering student at a University or College.

Eligibility and Requirements for the 2020 scholarship competition are as follows:

- Must be a Pre-Professional MI section member of ASABE at the time of application
- Must have at least one more semester of classes to complete after the award of the scholarship (Min. 12 credit hours)
- Essay must be 500 words or less in Microsoft Word document with Arial 12 pt. font. The essay would be written on one of the subjects below:
  1. What are the benefits of membership in ASABE?
  2. Why and how do you plan to stay active in a Professional Organization of your choice?
  3. What roles make ASABE such a popular international professional organization? How does your University or College also contribute to these roles?
  4. If you were to volunteer to be on one of the ASABE standards committees, which one would you choose, why would you choose it, and how does that particular standard contribute to the society?

Application and Essay must be submitted by **January 31, 2020**

Submit to **ASABE Michigan Section Scholarship Committee**
College of Engineering - Undergraduate Scholarships - Applications due February 29, 2020
https://www.egr.msu.edu/undergraduate/resources/scholarships

Scholarship Guidelines
The following guidelines govern the scholarship selection process:

1. Academic excellence is the primary criterion, but financial need is considered for some awards. Other awards are based on extracurricular activities, community service, co-op and other work experience, membership in professional and honor societies, career interests, and other relevant information. The one-page resume that you attach to your application should reflect these accomplishments.
2. Applicants must be full-time students, taking a minimum of 12 credits during the semester(s) in which the scholarship will be awarded.
3. A minimum cumulative grade-point average of 3.00 based on credits at MSU (including Fall Semester) is required.
4. New students must have completed a minimum of 12 credits at MSU at the end of Fall Semester.
5. Scholarships will not be awarded for internship or co-op semesters.

The MSU College of Engineering offers more than 300 scholarships to undergraduate students each year totaling approximately $600,000; the individual annual scholarship amounts range from $100 to $13,000.

Incoming first-year students and current engineering students have separate selection processes.

The following faculty members represent their departments on the Undergraduate Awards and Financial Aid Committee. This committee meets at the end of the spring semester to determine scholarship awards and allocate funds for the upcoming academic year. Students will be notified of the outcome of the status of their applications by July.

Dr. Daina Briedis - Chairperson
Dr. Laura Genik - Applied Engineering Sciences
Dr. Luke Reese - Biosystems & Agricultural Engineering
Dr. Pat Walton - Chemical Engineering & Materials Science
Dr. Mehrnaz Ghamami - Civil & Environmental Engineering
Dr. William Punch - Computer Science & Engineering
Dr. Virginia Ayers - Electrical & Computer Engineering
Dr. Patton Allison - Mechanical Engineering

ASABE and ASABE Foundation Scholarship applications due March 15, 2020
ASABE Foundation Engineering Scholarship - $1,500 given annually

William J. Adams, Jr. and Marijane E. Adams Scholarship - $1,500 given annually
Dear colleagues,

We have extended the due date for the Cary Institute of Ecosystem Studies for the summer 2020 REU program in “Translational Ecology” to Monday, January 31st at 11:59 pm. Please share this information with students who may be interested.

Students conduct mentored research projects and have many chances to interact, give and receive feedback and support. They also participate in a rich assortment of enrichment activities, workshops and field trips around the theme of translational ecology.

To apply: https://www.caryinstitute.org/eco-inquiry/reu-program
New application deadline: January 31, 2020, 11:59 pm

Dates: May 20 to August 7, 2020 (12 weeks)
Eligibility: Undergraduate freshmen, sophomores, juniors or first semester seniors. Must be citizens or permanent residents of the U.S. or its possessions. Underrepresented minorities and first-generation college students are encouraged to apply.
Stipend: $6,600 stipend, plus a $900 food allowance and free on-campus housing.
Other support: Assistance is available for travel to and from the program as well.

Research projects for the summer of 2020 include:
• Examining the effects of global change on streams of the northeastern US
• The role of natural enemies in governing symbiotic nitrogen fixation
• Causes of anthropogenic nitrogen deposition and impacts on tropical forest function
• Mosquitoes and ecosystem regulation of disease risk: data visualization and analysis
• Quantifying spatial variation and ecological influences of groundwater fluxes in lakes of northern Wisconsin
• Ecological change in the Sky Lakes on the Shawangunk Ridge
• Understanding the intersection of global change, conservation, and disease risk
• Microbial processes in urban ecosystems
• Examining the impacts of road salt on groundwater used for drinking water
• Urban forest ecology in New York City
• Effect of undergraduate research experiences on career trajectories
• Ecology of urban streams / high school student mentoring

For more information about the Cary Institute, visit http://www.caryinstitute.org/

For more information about the program, contact Kevin Burgio, REU program coordinator (burgiok@caryinstitute.org)

U.S. Department of Homeland Security (DHS) Professional Opportunities for Student Workforce to Experience Research

Hello!
• Are you a student looking for a professional opportunity to learn about homeland security related research to enhance your research interests and career goals?
• Do you want to learn from top scientists and subject matter experts in homeland security related areas?
• Do you want to network with your peers and members of the academic and scientific communities in business, industry, and government research facilities conducting research in DHS relevant areas?

If you answered “Yes”, to the above questions, the HS-POWER program is for you!

The U.S. Department of Homeland Security (DHS) Science and Technology Directorate Office of University Programs sponsors the Professional Opportunities for Student Workforce to Experience Research (HS-POWER) Program for undergraduate and graduate students. HS-POWER is open to students majoring in a broad spectrum of homeland security related science, technology, engineering and mathematics (STEM) disciplines as well as DHS mission-relevant research areas.

As a participant in the HS-POWER Program, you will participate in quality research experiences at federal research facilities and other HS-STEM focused entities nationwide. This experience will provide you a competitive edge as you apply your education, talent and skills in a variety of settings within the DHS enterprise. You will also be able to establish connections with DHS professionals that promote long-term relationships between yourself, researchers, DHS personnel and research facilities.

TO APPLY: Visit- https://www.zintellect.com/Opportunity/Details/DHS-POWER-2020 to learn more and complete the application!

All application components must be received in the system in order to be considered.

Employees of DHS Component agencies or participating partner agencies are not eligible to participate in this program.

**KBS Undergraduate Research Apprenticeship (URA) Program and KBS Internship Program - apply by March 1**

Partners, please share the following with your MSU students and colleagues:

KBS, in partnership with several departments, offers a wide variety of field-based summer courses that include important prerequisite courses in biology and ecology, plus advanced botany, grant writing, wetland ecology, and GIS.

Students can also apply for the KBS Undergraduate Research Apprenticeship (URA) Program and KBS Internship Program! These students pair a KBS summer course with a paid research or internship experience. Work hours accommodate the student's course schedule, and they work in close collaboration with a KBS mentor. Applications for the URA & Internship programs close March 1, 2020.

Links to detailed course and program information can be found at:

KBS courses & programs - [www.kbs.msu.edu/education/undergraduate-program/](http://www.kbs.msu.edu/education/undergraduate-program/)

Any questions can be directed to: KBSsummer@kbs.msu.edu

Thanks!

Beth

______________________
Beth Gerstner, Ph.D. student
Kellogg Biological Station
Michigan State University
University Undergraduate Research and Arts Forum (UURAF) registration due by Feb 13
2020 University Undergraduate Research and Arts Forum--Please Share in your College

Please share with faculty and graduate student mentors.

Registration is open for the 22nd Annual University Undergraduate Research and Arts Forum (UURAF). UURAF is an opportunity for students to showcase their scholarship and creative activity to the university and local community. Students present their work to faculty judges in an oral, poster, or performance presentation.

Students need to register by Thursday, February 13 at 11:59 PM. Registration and other detailed information can be found here: https://www.urca.msu.edu/uuraf/reg .

Encourage faculty to have their undergraduate students participate in the forum. The opportunities for student participation are broad. Last year, 920 students shared their work in an impressive display of student scholarship and talent.

UURAF 2020 will be held in the MSU Union on Friday, March 27 from 8 AM - 5 PM. For additional information, contact Heather Dover, Coordinator for Undergraduate Research, at doverhea@msu.edu or 884-1558. We look forward to seeing you at UURAF.

EnSURE 2020 program is now open
https://www.egr.msu.edu/graduate/ensure

The EnSURE (Engineering Summer Undergraduate Research Experience) program at Michigan State University offers summer research opportunities for high achieving undergraduates who are studying at institutions in the United States or Puerto Rico.
During Summer 2019, the EnSURE program will take place on the MSU campus from May 18 through July 24, 2020.

EnSURE is an "internship in graduate school" and provides participants with an early opportunity to become involved in research by working with faculty mentors in one of eight Engineering departments:

- Biomedical Engineering
- Biosystems & Agricultural Engineering
- Chemical Engineering & Materials Science
- Civil & Environmental Engineering
- Computational Mathematics, Science & Engineering
- Computer Science & Engineering
- Electrical & Computer Engineering
- Mechanical Engineering

Curious about what the undergraduate research experience is all about? Check out this video, http://bit.ly/1uQ6dB8 featuring an EnSURE program alumna and other undergraduates from MSU.

Expectations and Eligibility
As part of EnSURE, students work full-time on a substantive, faculty-guided research project and participate in professional development activities, including attending weekly seminars and completing periodic writing assignments. Due to the intensive nature of this program, it is expected that students will not enroll in summer coursework or accept other employment during the work week. At the discretion of the faculty mentor, it may be possible for students to enroll in limited (4 credits or less) online coursework or independent study; the student is responsible for any enrollment fees.

Applicants must meet all of the following criteria:

- current undergraduate student, studying at an institution in the United States or Puerto Rico, from any institution or major
- eligible for employment in the USA (you must have a social security card before the EnSURE program starts)
- returning for one or more semesters of undergraduate study after Summer 2020 (i.e., not graduating before December 2020)
- minimum cumulative GPA of 3.20 (on a 4.0 scale)
- able to commit to full-time employment on the MSU campus during the 10-week summer program (May 18 to July 24, 2020)
- not taking classes during Summer 2020 (exceptions may be made for up to 4 credits of online coursework, with permission from the faculty mentor)
- at least 18 years old by May 1, 2020

Compensation and Housing
Students participating in the summer research experience are paid $12.50 per hour and typically work 40 hours per week for 10 weeks (up to $5,000 in total compensation). Participants are considered student employees of MSU and are responsible for applicable taxes. Students are responsible for their own meals, housing, transportation and personal expenses; a variety of housing options are available both on-campus (liveon.msu.edu) and in the surrounding area (elmanac.msu.edu).

Application Timeline
Applications for EnSURE are reviewed on a rolling basis until the program is filled. Students will be notified if they are selected by a faculty mentor and will have approximately 2 weeks to accept or reject the offer to participate in EnSURE. Based on previous years, we expect that the EnSURE program will be filled by April 1. Please note that priority is given to students who have not previously completed EnSURE.

Ready to Apply?
The EnSURE program application requires basic contact and demographic information, a resume (.pdf format) and an unofficial transcript (a .pdf printout of your University's grade reporting system is sufficient). Applicants must also submit brief statements (about 500 words each) explaining why you want to participate in EnSURE (what do you hope to learn? do you have any specific skills or prior research experience to contribute?) and why you think it is valuable to foster inclusion and diversity in engineering. You should use these statements as an opportunity to expand briefly on the skills and experiences you have to contribute, and/or what you hope to learn from participating in this summer program.

CLICK HERE to apply for EnSURE 2020. https://www.egr.msu.edu/graduate/form/ensure-student-application

Other Research Opportunities
We typically receive far more applications from outstanding students than we are able to accommodate in the program; in previous years, we were only able to offer summer positions to 20-30% of applicants. In addition to applying to our summer research program, you may be interested in on-campus opportunities found through venture.msu.edu, in nationwide undergraduate research programs sponsored by the National Science Foundation, and in the SROP (Summer Research Opportunities Program) sponsored by the CIC. Students with experience in composites and materials may also wish to consider the IACMI
Internship Program. MSU students can also identify a variety of on- and off-campus positions on MySpartanCareer.com.