April 18, 2019

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Career Preparation

BE Showcase – Thursday, April 25
April 25, 2019 is a particularly important date for the BAE department – BE Showcase 2019. Fifty-one seniors on 13 teams in the Senior Design Capstone BE 487 class will present their design projects for review and critique. Over two semesters these students have worked on real-world problems for real clients to develop real solutions. Showcase 2019 is the beginning of the end as the projects are publicly presented to the clients, the faculty, the Industry Advisory Board, industry evaluators, parents, friends and other students. Lots of work has gone into these projects, and we’re proud of the work.

Team presentations are 2:30-5:00 pm, and a reception with BE 230 student/industry interaction poster session occurs at 5:00-6:00 pm. This is a great opportunity for any BE student to network with industry representatives. Pack a resume or two and hang around Farrall Hall on April 25 beginning at 2:30 pm.

Auditorium - Room 116 Farrall Hall (Open to all – no registration required)
2:30 pm - 3:40 pm (10 minutes each) Senior Design Team Presentations (7 groups)
  2:30 pm - Get Out Of Weir - GEI Consultants - Master Plan for Red Cedar Weir Removal
  2:40 pm - Partners in Wine - Michigan Craft Beverage Council - Adsorption Media Contact System for Michigan Winery Wastewater Treatment
  2:50 pm - Cold Hardy Greens - Student Organic Farm - Student Organic Farm Hoophouse Winter Internal Cover Design
  3:00 pm - The Rot Roasters - Chestnut Growers, Inc. - Brown Kernel Rot Treatment System for Post-harvest Chestnuts
  3:10 pm - The Canal Pals - Grand Pointe Homeowner’s Association - Sediment Management to Support Boat Traffic
  3:20 pm - Peru Crew - Dr. Alex Castañeda Sabogal & Dr. Ruben Kenny Briceno - Antibiogram- Biosensor Design to Rapidly Detect Antibiotic Resistant Bacteria
  3:30 pm - Trommel Cleaners - Grobbel’s - Trommel Cleaning System Enhancement
  3:40 pm - 4:00 pm Break
4:00 pm - 5:00 pm (10 minutes each) Senior Design Team Presentations (6 groups)
  4:00 pm - Ernie’s Engineers - Kellogg - Sandwich Cookie Process Line Design Improvement
  4:10 pm - Peer Energy - Duke University Carbon Offsets Initiative - Peer Verification Process for Livestock Anaerobic Digester Carbon Offsets
  4:20 pm - Energy Efficienados - Perrigo - Manufacturing Chiller Operation Optimization
  4:30 pm - Probiotic Pros - Dr. Larry Walker - Assay Development for Evaluation of On-farm Probiotic Application
  4:40 pm - Super Modelers - Techmark, Inc. - Improving Potato Storage Ventilation with a Computational Fluid Dynamics Model
  4:50 pm - Invasive Crustacean Eradication - MDNR - Red Swamp Crayfish Control Plan Using Acoustic Stimuli

See the attached full program <be_showcase_2019_program.pdf>.
Reducing Your Foodprint - our own Dr. Kirk!
A Food @MSU Our Table conversation
Tuesday, April 23
3:30-4:50 p.m.
MSU Hub (D101 Wells Hall)
Join students in Dana Kirk and Sandra Logan's ISB/IAH "food waste challenge" course for a discussion on reducing food waste and its benefit to our community and planet. More info at food.msu.edu

Design Day - April 26
designday.msu.edu/
Design Day is open to the public and free. Attendees include corporate clients, families, friends, faculty and students. In addition, hundreds of middle and high school students travel from across Michigan to explore design principles with hands-on activities, encouraging them to pursue careers in engineering. Design Day is held in the Engineering Building. This term the event will be held on Friday, April 26, 2019.

BE End-of-Term BBQ/Cookout - May 2, 11:30 am, 114 Farrall

Who: All BAE students, faculty, and staff
What: Spring Semester 2019 is quickly coming to an end. It’s time to celebrate accomplishments, enjoy time with peers and faculty, congratulate graduates and enjoy a traditional departmental BBQ. Come when you can, enjoy good food and friendly conversation, and leave as needed.
When: Thursday, May 2, 2019, 11:30 am – 1:30 pm
Where: 114 Farrall Hall

Recent Handshake Opportunities

Perrigo
Job: QC Lab Chemist/Analyst
Employer: Perrigo
Apply before: Friday, June 28, 2019 10:00 pm EDT

US Food and Drug Administration (FDA)
Job: Consumer Safety Officer, Medical Devices
Employer: US Food and Drug Administration (FDA)
Apply before: Wednesday, April 24, 2019 11:40 am EDT

Cargill
Job: Cargill Diversity Leadership Summit Food Safety Quality & Regulatory Intern
Employer: Cargill
Apply before: Monday, April 29, 2019 5:00 pm EDT
LEO Pharma Inc.

Job: Clinical Operations Intern
Employer: LEO Pharma Inc.
Apply before: Thursday, May 30, 2019 1:35 pm EDT

Terumo Medical Corporation

Job: Engineering Intern @ Terumo Heart, Inc. - Ann Arbor, MI
Employer: Terumo Medical Corporation
Apply before: Tuesday, April 30, 2019 11:55 pm EDT

JBS

Job: Management Trainee Program
Employer: JBS
Apply before: Saturday, November 30, 2019 1:00 am EST

Arcadis

Job: Entry-Level Water Consultant / Engineer
Employer: Arcadis
Apply before: Saturday, April 27, 2019 10:00 pm EDT

Bristol-Myers Squibb

Job: Quality Compliance Intern
Employer: Bristol-Myers Squibb
Apply before: Friday, April 26, 2019 11:55 pm EDT

Herbalife

Job: Intern, Technical Operations (R&D / Food Science)
Employer: Herbalife
Apply before: Friday, May 3, 2019 9:00 am EDT

Federal Energy Regulatory Commission

Job: FERC Summer Internship 2019 - Energy Industry Analyst
Employer: Federal Energy Regulatory Commission
Apply before: Saturday, May 11, 2019 11:55 pm EDT

Vertex Pharmaceuticals

Job: Co-Op, Biochemical and Biophysical Research
Local Internships & Student Jobs in Handshake (428)
Attached “Local Internships & Jobs 4-16-19.xlsx” is a list of 176 current internship opportunities (plus 252 part-time jobs) that are either on MSU’s campus (or with an MSU department away from campus) or in the Lansing area. All 428 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’s how to quickly locate 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
The Center News

Good Morning Engineering!

We know finals are just around the corner with Design Day only 10 days away!

There are currently 3,000+ Intern/Co-Op and 7,500+ Full-Time positions posted on Handshake, our online career management tool, that are available to engineering students!

Attached <The Center Jobs & Event Report (7).xlsx> is a list of 100+ engineering co-op/internship opportunities (plus 200+ full-time jobs) that are set to expire before April 28. You will also find a list of the upcoming career events and interview schedules taking place on campus targeting engineering students.

NOTE: There are opportunities for Fall Intern / Co-ops in the mix!

We encourage you to share relevant information with your students and we hope this report makes that easier!

Go Green!
Bernadette, Kylie, Rachel, Kyle and Garth
The Engineering Career Team within the
The Center Spartan Engineering
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Opportunities not on Handshake

**MSU Dairy Plant is looking for summer workers - apply now!**
This has been a fantastic opportunity for many BE students and a great resume builder. If you are still looking for summer opportunities, this is a good option.

Hi Dr. Reese,

We are gearing up to hire students for this Summer. Thanks as always for helping us spread the word to Biosystems students! Please see invitation below and attached flyer.

Are you sticking around campus this Summer to take classes? Are you looking for a food related job to bolster your resume? The MSU Dairy Plant is currently accepting applications for the Summer of 2019. The dairy plant offers a unique opportunity for undergraduate students to receive hands-on experience with industry relevant operations including food production, sanitation, and food safety. Students who wish to apply must meet the following qualifications:

- Summer staff is expected to work at least 20 hours a week, although full-time availability over the summer is preferred. The dairy plant is dedicated to accommodating student class schedules.
• Be willing to work hard! Previous food production experience is not required! You will receive on-the-job training for tasks such as proper cleaning and sanitizing, assembly and disassembly of production equipment, packaging product, and so on.
• Previous work experience in any field is preferred.
• Self-motivated, team-oriented individuals thrive at the dairy plant. Students who are exceptional workers will be invited to continue working beyond this Summer.

Interested applicants can contact the MSU Dairy Plant Operations Coordinator, Rodney Clark, at clarkr11@msu.edu

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Delhi Township Internship Positions
From Dr. Safferman.

Delhi Township has 2 internship positions open for this summer at their wastewater treatment plant. The projects are interesting and beyond laboratory work. If you have any students that may be interested please have them contact Sandra Diorka at the email below.

Sandra.Diorka@delhitownship.com

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Staff Engineer Intern Opportunity with LaBella Associates - Charlotte, NC

Job Overview
The Staff Engineer Intern will work closely with other engineers and CAD technicians in the design of solid waste-related projects. The projects are challenging and provide unique design opportunities. This position may develop into a full-time position.

Responsibilities
• Depending on the candidate’s experience, projects may include solid-waste related site development projects: developing master plans, design drawings, design of stormwater management and erosion control systems, technical specifications, and cost estimates.
• Preparing various types of related reports and studies and secure permitting for projects.
• Position will require some travel to clients’ facilities to better understand design issues and to monitor construction progress.

Qualifications

• Minimum requirements include a BS in Civil or Environmental Engineering, Passed the FE Exam with intent to obtain Professional Engineer license, and 0 to 5 years of experience, including solid waste or closely related projects.
• Knowledge of AutoCAD.
• Ideal candidate has the traits of a team player who is enthusiastic about all aspects of engineering and project management and can lead projects from planning and preliminary engineering through design and construction.
• Must have good communication skills, be a team player and be able to relate well to project team and clients.

https://labellapc.applicantstack.com/x/detail/a2nrftox9n66

https://www.labellapc.com/careers