Advisement Newsletter
October 8, 2020

**Upcoming Events:**

**Ask an Expert- Game Plan to Succeed in Any Interview: Virtual, Technical, and more:** -TODAY!
Thursday, October 8, 2020 | 3-4pm | ZOOM Link, Handshake Link

**BYU Robotics Competition:** -Registration Due TOMORROW!
Monday, November 9 - Friday, November 13, 2020 | Click [here](#) to register.
Deadline for registration is October 9, 2020. See details below.

**American Nuclear Society (ANS) Helion Energy Workshop:**
Friday, October 9, 2020 | 10-11am | ZOOM Link

**Virtual BYU Engineering Club Rush:**
Tuesday, October 13 - Friday, October 16, 2020 | @byuengineering on Instagram

**SIOY Business and Engineering Meet-up:**
Tuesday, October 13, 2020 | 5-7pm | Network to form your ideal team of innovators from across campus.
Prizes! Find ZOOM link [here](#).

**Ask an Expert- Networking to Land an Internship:**
Tuesday, October 13, 2020 | 12-pm | ZOOM Link, Handshake Link
Thursday, October 15, 2020 | 3-4pm | ZOOM Link, Handshake Link

**BYU Association for Computing Machinery (ACM) Tech Talk with Qualtrics**
Tuesday, October 13, 2020 | 7pm | ZOOM Link

**2-Minute Pitch Workshop:**
Thursday, October 29, 2020 | 12-1pm | Get the Zoom link [here](#) the day of the event.
Have a great idea? Learn from a professional trainer how to boil it down to a clear, concise and compelling pitch.
Did you know that the Electrical and Computer Engineering Department has a Slack Channel? [Click here to join!]

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**Experiential Learning Opportunities:**

**BYU Library Experiential Learning Grant:**
Apply for your chance at a $500-$2,000 grant! The Harold B. Lee Library is inviting submissions for Experiential Learning Grants. Funding is available to students and library faculty for projects that provide experiential education to students, where the outcome of the funding addresses a special need of the library, and/or where the library is a key partner in the project. All undergraduate and graduate students are eligible to apply. [Detailed grant requirements and applications found here.](#) Applications due by Friday, October 16, 2020. Awards will be announced by October 31. Questions? Email David Pixton at [david_pixton@byu.edu](mailto:david_pixton@byu.edu).

**Clubs:**

**American Nuclear Society (ANS) Helion Energy Workshop:**
Friday, October 9, 2020 | 10-11am | [ZOOM Link](#)
Helion Energy is a startup company that is working to make nuclear fusion a feasible energy source. They will be discussing how to make a good resume, how to find an internship, and ultimately, how to find a job! This is a great opportunity to talk with a company working in the nuclear sector. We hope to see you there!

**Virtual BYU Engineering Club Rush:**
Tuesday, October 13 – Friday, October 16, 2020 | via Instagram stories
Check out [@byuengineering](https://www.instagram.com/byuengineering/) on Instagram all week to see highlights of different BYU Engineering clubs. This includes Concrete Canoe, BYU Rocketry, BYU Baja, and many more!

**The Association for Computing Machinery (ACM), BYU Chapter**
The Association for Computing Machinery was founded in 1947 and is the largest educational and computing society in the world! BYU’s ACM Chapter is just a small part of the worldwide ACM community. We host awesome events and activities such as tech talks, hands-on workshops, hackathons and recruitment dinners, and are the go-to Computer Science club at BYU. We strive to connect our students with the industry, and prepare them to go out and change the world in tech. And, you don’t need to be a computer engineer to join! All are welcome! You can learn more about our club at [acm.byu.edu](mailto:acm.byu.edu)

**BYU ACM Tech Talk with Qualtrics**
Tuesday, October 13, 2020 | 7pm | [ZOOM Link](#)
Join us in listening to and networking with representatives from Qualtrics as they discuss their new tech and projects! Hosted by BYU’s ACM.
Please refer to ECEn Department Advisement Board outside of 450 EB and Club Board on the 4th floor of the CB for more club options and information.

Competitions:

BYU Robotics Competition: -Registration Due TOMORROW!
Monday, November 9 - Friday, November 13, 2020 | ZOOM
“Princess ping-pong has been captured! Can your robot make it through the maze in time to save her?”
All ECE students are invited to participate in a new week-long robotics competition, hosted by the ELC and IEEE! Students may sign up in teams of 3-5 individuals who will be given kits and funding to design and assemble their robots. Registration is free and cash prizes will be awarded to the winners. Click here to register. For more information, contact the ELC (ECEn Shop) at ecenshop@gmail.com.
Deadline for registration is October 9, 2020.

Student Innovator of the Year (SIOY) Competition
What’s your “million-dollar idea?” Compete for a piece of $50,000 to make your idea a reality. Past SIOY competitors have gone on to get funding from ABC’s hit TV show, Shark Tank!
The BYU College of Engineering hosts a student competition each year in partnership with the Marriott School’s Rollins Center for Entrepreneurship and Technology. The annual SIOY competition, open to all BYU students, has kickstarted now-successful companies Owlet, Khione, and MyoStorm over its 10-year history. Students receive up to $400 in funding to kickstart their idea and compete for a piece of $50,000 to make their idea a reality.
Competitors apply Fall 2020 and compete Winter 2021
Questions? Email SIOY@byu.edu

SIOY Business and Engineering Meet-up:
Tuesday, October 13, 2020 | 5-7pm | ZOOM
Don’t do it alone. Network to form your ideal team of innovators from across campus. You may leave part of a new business venture! Prizes! Find Zoom links and additional details here.

Lucid 8th Annual Programming Competition:
Saturday, October 17, 2020 | 9am-2pm | TBA
Compete virtually against students from universities across the western US for a chance to win great prizes. Solve as many problems as you can in 4 hours in the language of your choice. It’s always a good time—you won’t want to miss it!
For more information and to register, visit lucid.co/programming-competition.

Employment & Internship Opportunities:
For the latest jobs and internship postings, please visit Handshake - BYU’s online job board. Employers who want to hire BYU graduates or offer internships to current students post job openings and campus events to this website, making them accessible to students. Just like LinkedIn, employers can view student profiles and students can network as they apply for jobs and internships. For the most up-to-date information on companies and employers, visit the Handshake website. To create a student Handshake profile, go to handshake.byu.edu and log in with your BYU NetID and password. Don’t forget to download the Handshake app! Available for both iOS and Android.

Hiring Undergrad Research Assistant—Dr. Mazzeo
Dr. Mazzeo is looking to hire an undergraduate research assistant to help with data processing. Specifically, he is looking to hire a student to help with analyzing images and videos to create maps of vertical electrical impedance data that were collected recently on a concrete structure. Please send a resume with a letter of interest to bmazzeo@byu.edu

Hiring Undergrad Research Assistant—Dr. Peterson - Application Due TOMORROW!
Dr. Cammy Petersen and Dr. John Salmon have started a project to design, analyze, and test components for a multi-agent aircraft system (aircraft may include both manned and unmanned). Including autonomous flight control, autopilot, and advanced collision and avoidance systems technologies. They are looking for 2-3 students with significant programming experience who could start in October 2020. These students should be interested in or willing to do the following:

- Develop, analyze, and build upon existing autopilot programs for small fixed-wing design droves
- Research and assess novel collision avoidance techniques for increasing efficiency, safety, and robustness in integrating multiple UAS in the National Air System
- Develop and test hardware systems in preparation for experimental flight tests

Preferred experience: aerospace controls, dynamics, optimization, mechatronics, and programming

*should be mentioned in your application.

Pay: $12/hour and adjusted based on experience.

To apply: send the following in an email, copied to both Dr. Petersen cammy.petersen@byu.edu and Dr. Salmon johnsalmon@byu.edu, by October 9th:

- Resume
- Unofficial Transcript
- A few paragraphs describing your interest

Hiring TAs for Lab 240/301—Dr. Smalley

Dr. Smalley is looking for additional 240/301 Lab TAs. They are accepting applications now! If you are interested in becoming a TA, email Dr. Smalley at smalley@byu.edu.

Employer Info and Recruitment Sessions:

Micron Info Sessions

Micron Technology is excited to be hosting an upcoming series of Panel-Style information sessions for students across the country! During these sessions, we will have a panel of experts from Micron available to answer your questions about what they do at Micron. You may sign-up to attend one of the sessions that aligns with your major by using the links below using your University email address:

Friday, October 9, 2020 | 4-5pm | Industrial Engineering
Tuesday, October 13, 2020 | 4-5pm | Chemical Engineering/Materials Science
Thursday, October 15, 2020 | 4-5pm | Computer Science/Data Science/Information Systems
Tuesday, October 20, 2020 | 4-5pm | Business (Sales, Finance, HR)

Texas Instruments Virtual Grassroots Recruiting Info Session

Thursday, October 15, 2020 | 6:30-7:30 pm | Handshake Event Registration

Chances are, you have heard of Texas Instruments, but you may not know that we create a lot more than calculators. In fact, TI is a global semiconductor design and manufacturing company operating in 35 countries and producing 100,000+ analog ICs, embedded processors, software, and tools. Please join us for an information session about what we do at Texas Instruments, and the great career opportunities that are available here. We will include an in-depth discussion of the new product development process in the analog semiconductor industry. We will describe how each type of engineering position at TI fits into that process. The password for the Webex meeting is TexInst@BYU2020. Register here.

National Security Agency (NSA) Virtual Recruitment Events

Navigating the Security Clearance Process -TODAY!
Thursday, October 8, 2020 | 4-5pm | Register here

Everyone who works at NSA requires a Top-Secret Security Clearance - full-time employees, interns and beyond. How does it work? Are the rumors true? Whether you’ve already applied to an NSA position or are simply curious about the process, this session will give you insight into the NSA applicant Security Clearance process. We’ll discuss background checks, psychological testing, the polygraph exam, and more!

NSA: Changing the Cybersecurity Game
NSA's Cybersecurity directorate is charged with preventing and eradicating cyberthreats to National Security Systems, the Department of Defense, the Defense Industrial Base, weapons systems, and more. Cybersecurity at NSA collaborates across industry and government in classified and unclassified spaces, working at cyberspeed to secure our Nation. Join this session to learn more about the opportunity to be a part of this diverse team of problem solvers and learn more about the NSA Cybersecurity mission.

Upcoming Career Center “Ask an Expert” Events:

**Game Plan to Succeed in Any Interview: Virtual, Technical, and more:**
- **November 11, 2020 | 3-4pm**
  - Zoom Link, Handshake Link
  - We will prepare you for an interview in whatever setting you are in. Whether it is online or in person. Learn to have a successful interview and come with any questions you may have.

**Networking to Land an Internship:**
- **November 16, 2020 | 12-1pm**
  - Zoom Link, Handshake Link
  - Thursday, November 18, 2020 | 3-4pm
  - Zoom Link, Handshake Link
  - Your best option to getting a job these days is through the people you know. We will show you how to reach out to employers at your most desired companies, build your network, and get the internship you desire. We will also give you helpful resources to find alumni.

**Negotiation 101:**
- **November 23, 2020 | 3-4pm**
  - Zoom Link, Handshake Link
  - Thursday, November 25, 2020 | 3-4pm
  - Zoom Link, Handshake Link
  - When you are getting your first job offer, many don’t know that there are things that they can negotiate within their job offer. And if they do, may don’t know how to do it. In this session we will go over how to discuss these topics the best way.

**Managing Bias as a Professional:**
- **November 30, 2020 | 12-1pm**
  - Zoom Link, Handshake Link
  - Thursday, December 2, 2020 | 3-4pm
  - Zoom Link, Handshake Link
  - Everyone has their own personal bias that plays a role in their everyday lives. In this presentation, we will discuss how to manage your bias as a professional and how to use it to your advantage and benefit.

**Message from Tony Jewkes, Career Director, Engineering & Technology**
As we progress through the semester with students still in need of help finding jobs and internships, please feel free to promote my services. Each week I maintain hours each day to meet with students one-on-one to help with their career search needs. Appointments can be made in the Student Services suite in 246 EB, in the Career Studio in the WSC or by calling 801-422-6535.

Please refer to ECEn Department boards near 450 EB and 460 CB for Non-BYU Summer Research Opportunities, Internships, and Employment!

**Scholarships:**
Please refer to ECEn Department Advisement Board outside of 450 EB for non-BYU scholarship opportunities.