Dear CSE Students:

Welcome to the third newsletter of 2018.

**Message from the UG Advisor:** No message from the UG Advisor for this issue.

**Message from the Grad Program Assistant:** Please do not forget to pay your tuition fees by **March 2** if you are a TA or RA. If you have done so already, no further action is needed. If you are defending a thesis/dissertation this semester, please be aware of all the deadlines. See **Catherine Burton** if you need assistance.

Attached are announcements for the following (please note that this listing does not imply University or Department endorsement):

- Raytheon Information Session on February 14th
- Calling all female founders! Apply for WBENC’s Student Entrepreneur Program
- $1500 Grants for Pell Students for Study Abroad
- ExxonMobil LOFT Fellowship
- Research Experiences for Undergraduates Summer Program in Ubiquitous Sensing
- Handshake
- PathU – Mobile Application Developer
- InvestorPlayground – Mobile Application Developer
- Washington University Summer Engineering Fellowship Program
- ORNL Science Education and Workforce Development Virtual Career Fair

Regards,

Ken Christensen
Professor and Associate Chair of UG Affairs
Raytheon
Information Session
Wed., Feb. 14th, 2018 “Date with Raytheon”
Location: ENA 105, 5:00pm – 6:30pm

Opportunities for full-time, co-op, interns
Majors — STEM, Systems Software, Analytics,
Cyber Security

3.0 minimum GPA required

Many positions across Raytheon require the eligibility to obtain
a security clearance. Non-U.S. citizens may not be eligible to
obtain a security clearance. The Defense Industrial Security
Clearance Office (DISCO), an agency of the Department of
Defense, handles and adjudicates the security clearance process.

Raytheon is a global technology leader that
provides innovative solutions to customers
in 80 nations. As one of the most admired
industry leaders, we provide the most advanced
technology in the world in the strategic
business areas of homeland security, missile
defense, precision engagement and intelligence
surveillance reconnaissance. Through
strategic vision, disciplined management
and world-class talent, Raytheon is
delivering operational advantages for
customers every day while helping them
prepare for the missions of tomorrow.

www.raytheon.com/campus
Calling all female founders! Apply for WBENC’s Student Entrepreneur Program

DO YOU KNOW A Female Founder?

Here’s Her Chance to Win $10,000!

WBENC’s Student Entrepreneur Program is a week-long business development program for women entrepreneurs enrolled full time at a college or university in the U.S. Applications are now being accepted for the 2018 program, which takes place June 17-22, 2018 in Detroit, Michigan.

Reasons to Apply:

- A week of entrepreneurship focused curriculum that culminates in a Pitch Competition awarding $10,000 in seed capital.
- Attendance is FREE for accepted students – including travel, lodging, expenses, and access to the conference.
- Takes place during WBENC’s National Conference & Business Fair, giving students access to a network of over 4,000 attendees.
- Students will receive mentoring from America's largest Fortune 500 companies and some of the most successful Women’s Business Enterprises.
- Experiential learning is provided through off-site visits to accelerators, Women’s Business Enterprises, and corporate campuses.

Applications are due by February 23, 2018.

Learn more at www.wbenc.org/SEP

Apply Today!

Stay Connected.
$1500 Grants for Pell Students for Study Abroad

Dear All,

I am forwarding the announcement from Financial Aid that they will again be giving $1500 GRANTS to eligible Pell Students for a study abroad experience this summer.

Feel free to share throughout your college. We are actively spreading the word as well!

Note: It is important that students go first to the Education Abroad Gateway Office (MSC 3301) before going to Financial Aid!

Thanks for helping to spread the word.

Amanda

Amanda C. Maurer
Director, Education Abroad, USF World
University of South Florida
4202 E. Fowler Avenue CGS 101
email: amaurer@usf.edu
Tampa, FL 33637
Telephone: 813-974-4126  FAX 813-974-4613
ExxonMobil LOFT Fellowship

Exxon Mobil Corporation, one of the world’s largest publicly traded International oil & gas companies, has partnered with the Hispanic Heritage Foundation (HHF) to create fellowships in STEM fields (Science, Technology, Engineering, and Math) for Hispanic college students. Through HHF’s Latinos On Fast Track (LOFT) program, ExxonMobil seeks to nurture motivated college students across the country, with a passion for Engineering and Science.

Selected students will be exposed to a top quality company by participating in this signature mentoring program. Each student will be paired up with one of ExxonMobil engineers/scientists to learn how their knowledge is applied in a corporate setting.

**Fellowship Components**
The Fellowship consists of five 1-hour meetings with a mentor (virtual or in person), participation in the Harvard-certified ExxonMobil mentor program (on-line), an exclusive curriculum to introduce Fellows to the organization and company career opportunities, and a $1,000 educational grant. In addition, there exists the possibility to interview for ExxonMobil positions (internships/full-time) upon successful completion of the Fellowship.

**Fellowship Requirements**
This opportunity is highly competitive and open to **freshman, sophomores, juniors, seniors and graduate students attending a 4-year college or university**.

- Fellowship applicants with the following majors will be given priority:
  - Mechanical Engineering
  - Chemical Engineering
  - Civil Engineering
  - Electrical Engineering
  - Computer Engineering
  - Geoscience

Applicants with these majors will be considered also: Chemistry, Environmental Engineering, Industrial Engineering, Material Sciences, Mathematics, Materials Engineering, Petroleum Engineering, Physics, Computer Science and Geology

**Other Requirements:**
- Must plan to pursue a career in the fields/majors listed above
- Have a GPA of 3.5 or higher
- Be a U.S. citizen or legal permanent resident of the United States with a valid Social Security Number at the time of application.
  All legal permanent residents must submit a copy of their valid permanent resident card or passport stamped I-551 (not expired).

For the 2018 ExxonMobil LOFT Fellowship.

If you have questions please contact Julian@hispanicheritage.org. Please use “ExxonMobil LOFT Fellowship” in the subject line.

The 2018 ExxonMobil LOFT Fellowship Application will close April 20, 2018, @11:59 p.m.

This opportunity available through the LOFT program are for Hispanic students. Others interested should contact the company's website directly.
Research Experiences for Undergraduates
Summer Program in UBIQUITOUS SENSING

May 21 to July 27, 2018

The Department of Computer Science and Engineering at the University of South Florida in Tampa, FL offers research summer opportunities for qualified junior and senior undergraduate students in the area of Ubiquitous Sensing. The program, funded by the National Science Foundation’s Research Experiences for Undergraduates (REU) program, will select ten (10) students every year to work for 10 consecutive weeks during the summer in research projects. During that time, students will share their experiences with fellow participants, attend seminars, acquire oral and written presentation skills, and learn how to conduct independent research. Students will be awarded a stipend of approximately $6200 plus travel and on campus housing.

Research projects will be on Ubiquitous Sensing, a new area of research that encompasses the integration of smartphones with sensors and Internet technologies to address large-scale societal as well as individual problems.

Current research projects are mainly in the areas of:

- **Transportation**
  - Indoor and outdoor navigation systems for visually impaired people
  - Vehicle counter and traffic estimator
  - System to characterize and assess bicyclists vulnerabilities
- **Health care**
  - Application to help people with Congestive Heart Failure conditions
  - Application to analyze walking patterns to help people with hip and knee replacements and other walking conditions
  - Fall detection and fall prevention systems
- **Security (biometrics)**
  - Automatic authentication system based on people’s gait

In all these projects, students will learn Android programming to develop the applications and collect raw sensor data. Then, they will apply computer science algorithms and techniques to the data to help people navigate, improve their health, authenticate users, recognize the user activity, analyze walking patterns, etc. according to each project.

We are receiving applications until March 1st, 2018. Please visit [http://reu.cse.usf.edu/index.html](http://reu.cse.usf.edu/index.html) for more information.
WHAT is Handshake?

USF’s official student career portal!!

Handshake is super easy to use! Your account is waiting for YOU!!
• Just login to your MyUSF account using your USF Net ID username and password
• Go to “MY RESOURCES” tab; click on “Find A Job (Handshake)”
• THAT’S IT! You’re IN!!

WHY use Handshake?

Create a Professional Profile & Upload a Resume – so Employers looking for USF grads can find YOU!!

Find Jobs or Career-Related Experience to Build Your Resume – find the right fit for you and increase your chances of full-time employment right out of school!
• Full-time jobs
• Internships
• Cooperative Education (co-op)
• Part-time jobs
• On-campus jobs
• Volunteering
• Leadership Programs

Make Opportunities Happen Right from Your Phone – download the Handshake mobile app for iPhones!

Receive Career Services – schedule appointments with your Career Consultant, visit Career Express or find resources on resumes, interviews and more!!

Look for Recruiting Events with Top Employers – learn more about the fields and companies that interest you!
• Career Fairs
• Employer Spotlights
• Info sessions
• Careers & Coffee

Questions about using your Handshake account?? Find answers here: https://support.joinhandshake.com/hc/en-us

Please contact us for more information, or to request a reasonable accommodation.

(813) 974-2171 / FL Relay 711 / CareerServices@usf.edu

www.usf.edu/career-services
Looking for a mobile application developer!

The goal is to develop a sleek new innovatively designed mobile application for High school graduates and college undergraduates to gain insight on what career would be best for them and lead them to living a self-fulfilling life. This is going to be a non-profit application that allows students to take a career test and show them what careers fit them best, then shows them the best majors for that career and then the best schools for those majors. This will simplify the college research process for students and hopefully give back to the students using the app by giving the money generated from the app to scholarships for the students using the app to aid in

**Time investment**
The app has the design developed already. Just coding is needed; I would like it to be finished as soon as possible.

**Payment**
I’m willing to negotiate pricing based upon time allocated towards the development.

**Contact Info**
Name: Stefan G. Creadore
Phone: 813-770-6508 (text only)
Email: S creadore@mail.usf.edu

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**Universities**

**University of South Florida**
Tuition Average: In-state: $21,410
Out-of-State: $32,324
Acceptance Rate: 47.5%
Total enrollment: 31,111
National Ranking: 169

**Florida State University**
Tuition Average: In-state: $17,419
Out-of-State: $32,585
Acceptance Rate: 56%
Total enrollment: 41,867
National Ranking: 97
Looking for a mobile application developer!

The goal is to develop a sleek new innovatively designed mobile application for rookie and veteran investors to interact. I’m really looking for some quality work here requiring database experience and website/mobile app integration of a registration/login system along with the ability to incorporate live a live chat box and forums into the application and be able to run on a crossplatform (IOS, Android, Windows, etc.). If interested please contact me!

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Washington University in St. Louis

Nearly 60 of Washington University’s graduate and undergraduate programs rank in the top 25 by U.S. News & World Report, including the School of Medicine at No. 7, Brown School of Social Work at No. 2 and Biomedical Engineering at No. 12.

Through innovative research, the university is committed to creating the new knowledge necessary to achieve a bright and sustainable future.

More than 3,000 research projects underway each year and $613 million in research support at WashU

School of Engineering & Applied Science

As an engineering school, we aspire to discover the unknown, educate students and serve society. Our strategy focuses intellectual efforts and builds on strengths, particularly as applied to medicine and health, energy and environment and security. Through innovative partnerships with academic and industry partners — across disciplines and across the world — we will contribute toward solving the greatest challenges of the 21st century.

Graduate programs in:

- Biomedical Engineering
- Computer Science & Engineering
- Electrical & Systems Engineering
- Energy, Environmental & Chemical Engineering
- Mechanical Engineering & Materials Science

Summer Engineering Fellowship Program

May 29–July 27, 2018

Learn more & apply:
engineering.wustl.edu/wusef

“WUSEF allowed me to step into the world of high quality academic research. It really opened my eyes to how fulfilling the work can be and helped me understand what I want to pursue.”

— Debby Fowler, WUSEF Fellow

Campus Box 1185
One Brookings Drive
St. Louis, MO 63130-4899

ejboyd@wustl.edu

P: (314) 935-6193 • F: (314) 935-4014

Stipend, transportation, housing and food costs included
About the Washington University Summer Engineering Fellowship

The Washington University Summer Engineering Fellowship (WUSEF) program is designed to encourage exceptional students from diverse backgrounds to conduct engineering research. Fellows will enjoy a rewarding summer research experience at one of the top universities in the U.S. Each fellow will engage in an independent research project under the guidance of a faculty member in the School of Engineering & Applied Science at Washington University.

Projects will be in the general areas of mechanical engineering, electrical engineering, biomedical engineering, chemical engineering, computer science and materials science. Potential applications include medicine, renewable energy, pollution control and nanotechnology.

Fellows will be selected for their intellectual promise, curiosity and motivation. Prior research experience is not necessary. Students from mathematics and the physical sciences, as well as engineering, are welcome to apply.

Program dates:
May 29–July 27, 2017
Application deadline: February 19, 2018

How to apply:
Visit engineering.wustl.edu/wusef to complete the application form.

In addition, the following documents are required:
• Personal statement
• Resume
• Unofficial transcript
• Two references (at least one of these must be from a faculty member at student’s current institution)

Eligibility:
WUSEF selects participants based on academic achievement, leadership, curiosity, motivation and commitment to diversity. Applications are welcome from students meeting the following criteria:
• Sophomore, junior or senior continuing undergraduate studies in Fall 2018
• Pursuing a major in engineering, mathematics or physical and life science (physics, chemistry or biology)
• Students must be a citizen or non-citizen national of the United States or an individual who has been lawfully admitted for permanent residence in the United States.
• The School of Engineering & Applied Science aims to encourage diversity in the field of engineering. Students from underrepresented backgrounds (African-American, Latino, Native American, those from underprivileged backgrounds and women) are encouraged to apply.

Program benefits:
• Research experience with a faculty mentor at a leading university
• Preparation for graduate school admissions tests
• Social networking activities with other undergraduate researchers
• $5,000 stipend with free campus housing and travel to and from St. Louis; $120 per week food stipend
• Public transportation passes for travel in St. Louis

Program details:
• Work full-time on a research project for the program duration
• Attend program events, seminars and workshops with other fellows
• Give a presentation on the research at a research symposium

“Working on a research project, touring local engineering companies, and exploring the city meant I was always doing something new. It’s a fantastic opportunity and I would recommend it to any engineering student wanting to learn and try something new.”
— Tristan Ford, WUSEF Fellow

engineering.wustl.edu/wusef
ORNL Science Education and Workforce Development Virtual Career Fair: February 22, 2018

All times reflect Eastern Standard Times.

12:00 PM: Virtual Career Fair opens and recruiters are LIVE to chat from 12:00-3:00 pm.

12:00-1:00 PM: Dr. Jeremy Busby, Dr. Melanie Mayes, and Julie Ezold will be LIVE in the Meet an ORNL Mentor booth to chat.

- Dr. Jeremy Busby is the Division Director for the Materials Science and Technology Division in the Physical Sciences Directorate at ORNL. His contributions range from light water reactors to sodium reactors and space reactor systems as well as research in support of the ITER project.
- Dr. Melanie Mayes is an ORNL Senior Staff Scientist and Multi-scale Environmental Processes Team Leader with the Environmental Sciences Division and the Climate Change Science Institute.
- Julie Ezold has over 25 years of experience in the nuclear sciences and is currently the Californium-252 Program Manager. She is responsible for the technical aspects as well as the program management activities of each curium target campaign.

1:00-2:00 PM: Dr. Robert Duckworth and Marie Urban will be LIVE in the Meet an ORNL Mentor booth to chat.

- Dr. Robert Duckworth is a Senior R&D Staff Member in the Fusion and Materials for Nuclear Systems Division at Oak Ridge National Laboratory.
- Marie Urban is a Staff Scientist in the Geographic Information Science and Technology Group at ORNL. She is the Principal Investigator for the Population Density Tables (PDT) project and has been for the past decade.

2:00-3:00 PM: Dr. Erin Webb and Jay Billings will be LIVE in the Meet an ORNL Mentor booth to chat.

- Dr. Erin Webb is a Senior R&D Staff Member in the Environmental Sciences Division at Oak Ridge National Laboratory and Joint Associate Professor in the Department of Biosystems Engineering and Soil Science at the University of Tennessee.
- Jay Billings is a Research Scientist in the Computer Science Research Group of the Computer Science and Mathematics Division at ORNL. His research focuses on the design and implementation of modeling and simulation tools for energy science, a large part of which has been related to the study of scientific workflows in an HPC context.

3:00 PM: Virtual Career Fair closes
ORNL Science Education & Workforce Development Virtual Career Fair

February 22
Noon-3 p.m. EST

Discover the variety of research opportunities offered at Oak Ridge National Laboratory, the Department of Energy’s largest science and energy lab!

Chat live with scientists and recruiters, explore program booths, and learn about the ORNL experience!

REGISTER TODAY!