

# WISER NEWSLETTER

WOMEN IN SCIENCE, ENGINEERING, AND RESEARCH AT OAKLAND UNIVERSITY  
[WWW.OAKLAND.EDU/RESEARCH/WISER](http://WWW.OAKLAND.EDU/RESEARCH/WISER)

FEBRUARY 2018

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## Soundings Series

[www.oakland.edu/research/soundings-series](http://www.oakland.edu/research/soundings-series)

### **Nuts and Bolts: Writing Tweets, Brights and Soundbites!**

**Wednesday, March 7, 3-4:30 p.m. Oakland Room, Oakland Center**

**With Julia Rodriguez (OU Libraries), Holly Shreve Gilbert (Journalism), and Crystal VanKooten (Writing and Rhetoric)**



The Nuts and Bolts workshops are special sessions of the Soundings Series featuring hands-on practice of scholars' best tips and tricks!

In this workshop, you will learn to craft Tweets, compose brights (short pieces for blogs/press), and create soundbites about your work.

Walk away with digital pieces and phrases that you can use to share your work with the world and become a public scholar! Bring your laptop and/or smart phone to use for writing and recording at this event.

### **Coming Soon from the Soundings Series:**

#### ***Reaching the Public: Translating Teaching to a General Audience***

Wednesday, March 28, 3-4:30 p.m. 242 Elliott Hall

With Karen Miller (History)



**On YouTube: Soundings Series with Barbara Oakley**

*Escaping the Ivory Tower: How to Grow Your Public Impact*

Recorded January 2018, [click here for video](#).

## PI Academy: Mentors on Campus!

[www.oakland.edu/research/pi-academy](http://www.oakland.edu/research/pi-academy)

Our PIs (junior faculty) have been matched with mentors from top universities— and they'll be visiting campus soon! Check out website regularly for updates. Many mentors will be visiting in March and April.



Upcoming visits include:

Guest: Mohammad Shahidepour (IIT), Engineering  
Seminar: 10:30 a.m. **Feb. 27**, in 242 Kresge Library  
Mentor for S. Ali Arefifar

Guest: Ronald Askin (Arizona State), Engineering  
Seminar: 1:30 p.m. **Mar. 5**, in 281 Engineering Center  
Mentor for Nasim Nezamoddini

## CETL STEM Workshop Series—March 8 and March 28

RSVP on the [CETL website](#)

### **Scientific Practices/Applications for Transforming STEM Undergraduate Education**

March 8, noon-1:30 p.m. in 200A Elliott Hall

This workshop features Rasul Chaudhry, Randy Westrick, Shailesh Lal, and Luis Villa-Diaz.

- Review approaches for interactive STEM classroom education, learn to enhance student competitiveness in the job market, and discuss active teaching and assessment methods.

### **STEM and Education: Community Partnerships**

March 28, noon-1:30 p.m. in 200A Elliott Hall

This workshop features Tom Raffel with Anica Bowe and David Secord from the SEHS.

- Discuss how to develop multidisciplinary partnerships and projects (using examples from OU) and share strategies to establish connections in the community.

## **Meet Michael Spires, Research Development Officer**

Michael joined OU in August 2017. Meet with him to learn more about grant applications and opportunities. Bring your own lunch and chat!

- Monday, February 2 from 11 a.m.– 1 p.m. in Room 127, Oakland Center
- Friday, March 16 from 11 a.m.– 1 p.m. in Room 125, Oakland Center

Michael works with faculty, departments, centers and programs. Researchers and scholars should contact him as soon as they have an idea for which they plan to seek external funding, and as that idea is transformed into a proposal ready for submission. RDOs can help with the following aspects of proposal development and positioning:

- Identifying and prioritizing appropriate funding sources
- Understanding and responding to proposal guidelines and requirements
- Polishing proposal drafts
- Responding constructively to reviewer comments on declined proposals



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**OR**  
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Save the Date! The Spring 2018 National Science Foundation (NSF) Grants Conference will take place on **June 4-5, 2018** in Detroit, Michigan. This is a great chance to learn more about funding and interact with NSF Program Officers.

The two-day event will be held in the [Detroit Marriott at the Renaissance Center](#). Registration will open on **Thursday, March 15<sup>th</sup> at 12:00 PM EST**. We anticipate the conference will **reach capacity very quickly**, so we encourage you to **register as soon as it opens**.

Check [NSFgrantsconferences.com](http://NSFgrantsconferences.com) for the most up-to-date information. (You may also contact the NSF via email at: [grants\\_conference@nsf.gov](mailto:grants_conference@nsf.gov).) If interested in attending, please contact your department chair.

## STEM Faculty Highlights

S. Ali Arefifar (Electrical and Computer Engineering) was elevated to the Senior Member of IEEE, the Institute of Electrical and Electronics Engineers. This is the highest grade for which IEEE members can apply and recognizes technical and professional excellence.

Student Sami S. Albouq and Erik M. Fredericks (Computer Science & Engineering) won the best paper award at the ACM Symposium on Design and Analysis of Intelligent Vehicular Networks and Applications. The paper was titled *Detection and Avoidance of Wormhole Attacks in Connected Vehicles*. To learn more, visit [Erik's research webpage](#).

Barbara Oakley (Industrial & Systems Engineering) became an IEEE Fellow. This title is a distinction reserved for select IEEE members with extraordinary accomplishments. Congratulations to Barb on a well deserved recognition!

Fifteen Oakland University students presented their research at the annual Sigma Xi Student Research Conference in Raleigh, NC. Genna Wilber, a student who works with Luis Villa Diaz (Biology), won the undergraduate division award in the category of Physiology. More information on [OU's Sigma Xi website](#).

Colin Wu (Chemistry) received a \$150,000 grant from the American Heart Association to study how damaged DNA is repaired in human cells. Colin and his students use biochemical, biophysical, and structural methods to determine the molecular basis of these mechanisms. The work sponsored by this award will be especially useful for development effective strategies for detecting, treating, and curing cardiovascular disease. To learn more, visit [Colin's research webpage](#). (Details from OU's CBR website.)

Beth Zou (SECS Associate Dean, Mechanical Engineering) won the SAE McFarland Award. This award recognizes individuals for their sustained outstanding contributions toward the work of the SAE Engineering Events and for enhancing the interchanges of technical information. Well done, Beth!



### WISER Leadership Team News!

Sanela Martic (Chemistry) recently joined WISER as the newest member of the WISER Leadership Team! An active member of the WISE@OU cohort since the program began at OU, Sanela will now help guide the activities and initiatives of the WISER program to further advance faculty careers at OU. Thank you, Sanela!