



Environmental and Occupational Health Student Association Newsletter

October 6, 2018

"WORKING SAFELY MAY GET OLD, BUT SO DO THOSE WHO PRACTICE IT" - UNKNOWN

IN THIS ISSUE

Welcome to EOHSA!

As a new school year begins, so does another year full of potential for professional development and growth! The Environmental and Occupational Health Student Association is an organization combined with the university's former environmental and industrial hygiene clubs. We hope to kick off this year at a running start and have the most member involvement as possible!

The aim of EOHSA is to facilitate a smooth transition for all our members from college students to qualified and exceptionally employable professionals. In order to reach this goal, we will be arranging guest lecturers to increase relevant knowledge on today's topics of interest, training opportunities, and networking with local professionals. We will also be engaging in community service activities as they arise throughout the semester.

What is Environmental and Occupational Health?

The fields of environmental and occupational health focus on evaluating and addressing the chemical, physical, and biological risks people are exposed to in their daily lives. Industrial hygiene is

part of this field but focuses primarily upon workplace exposures. Interests in this field range from toxicology, epidemiology, water quality, air quality, microbiology, risk assessment, environmental modeling, and much more!

Local Parent Chapters

The Environmental and Occupational Health Student Association is affiliated with a variety of professional associations and student members are encouraged to apply for membership into these national organizations.

These organizations include the American Society of Safety Engineers (ASSE) and the American Industrial Hygiene Association (AIHA).

Both groups have local chapters here in Arizona with active professionals in the public health field. Members of these chapters are excited to work with this student group and greatly encourage student attendance at their monthly meetings. The specific dates will be mentioned at each EOHSA meeting by the ASSE and AIHA vice presidents and will be included in the quarterly newsletters.



First Meeting: Fit Testing Activity

Students learned about the importance of fit testing, how fit testing is done, and practiced donning and doffing respirators provided by Layla from the University of Arizona's Risk Management Services.

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Previous Research/Internships

Second year graduate students describe their internship sites, experiences, and projects. Internship projects ranged from water quality to fit testing employees to vector surveillance.

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Previous Research/Internships



Mosquito Surveillance in Pima County, Arizona

"My internship was done at the Pima County Health Department and I worked with the vector control program. During my internship I learned how to trap for mosquitoes, identify the sex and species of mosquitoes, test certain mosquito species for West Nile virus, and use Geographic Information Systems to map out the locations of these traps around the county. My goal was to assist the vector program in ensuring that all inhabited regions of the county were adequately represented in current surveillance efforts."

-Jamaica Dillard



3-D Printer Exposure Assessment with Risk Management Services

"I did an industrial hygiene internship at Risk Management Services, I conducted an exposure assessment on 3D printers to study if the ultra-fine particles and VOCs released by the printers impair indoor air quality."

-Layla Gabir



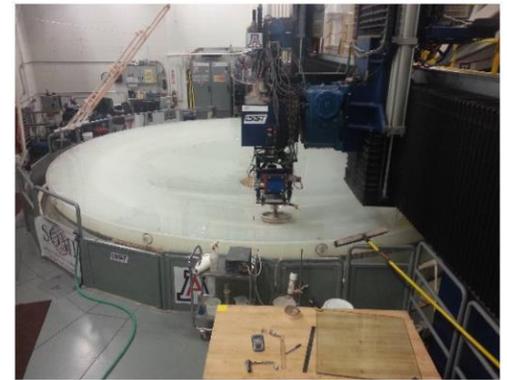
WEST Center Water Treatment

"My internship involves research on alternative water treatment processes at the Water, Energy and Sustainable Technologies (WEST) Center with the Snyder Research Group. Currently, the primary treatment processes used in the US and other parts of the world can be costly and unfeasible to certain populations. Alternative treatment processes that utilize ozone and bio-activated carbon in series or magnetic ion exchange resin can change current potable reuse standards. My internship is focused on the MIEX study compares the attenuation effects of multiple magnetic ion exchange resins on trace organic compounds, including pharmaceuticals."

-Derek Liu

in geotechnical, environmental, and materials testing. I had the opportunity to conduct various industrial hygiene assessments for exposure to organic and inorganic contaminants as well as measure occupational noise. My internship incorporated a wide variety of projects not limited to ventilation evaluations at major plating facilities, supervision of a vapor mitigation system at a state superfund site, and numerous inspections of asbestos before the demotion/renovation of a facility."

-Gabriel Mancillas



Terracon Consultants Inc.

"I'm currently working as an Industrial Hygiene intern at the University of Arizona Richard F. Caris Mirror Lab. I am identifying water-related health hazards in the facility and developing a water management plan to manage risks associated with these hazards. I'm also pursuing a research project examining transport of a waterborne virus through two types of agricultural irrigation systems."

-Jordan Senia



Terracon Consultants Inc.

"My internship was at Terracon Consultants Inc., a national consulting firm that specializes

WANT TO ADD TO THE NEWSLETTER?

If there is information you would like to see in future newsletters or if you have anything to add to the newsletters, please send an email to Jamaica Dillard at jamaicad@email.arizona.edu

Important Dates to Remember:

- **October 9** – ASU Safety Leadership in Planning, Design, and Construction Workshop (must be registered)
 - Ira Fulton Schools of Engineering, 8:00AM-4:00 PM
- **October 15** – U.S. Public Health Service JRCOSTEP Preliminary Screening begins for EH
 - Call 1-888-225-3302 Mon-Fri 9:00AM-4:00PM EST
- **October 19** – Influenza Pandemic Exercise (must be registered)
 - Drachman Hall, 2:00-4:30PM (must have registered by Sep. 20th)
 - Counts as an IPE for 1st year MPH students
- **October 22** – Safety Q&A Meeting with Lorraine Santiago and Steve Holland
 - Drachman Hall Rm A123-125, 12:00-1:00PM
- **October 24** – ASSP Colossal Caves Awards Meeting
 - Colossal Caves, 6:00-8:30PM



Current Scholarship and Internship Opportunities

ASSP MacCallum Scholarship

- Information about the scholarship as well as the application can be found at <https://southaz.assp.org/scholarships/>
- Students who are members of the Southern Arizona Chapter are given priority for this scholarship so join and apply!
- Important Dates:
 - **September 1** – Application period begins
 - **December 1** – Application period ends
 - **~April 1** – Award recipients announced



**AMERICAN SOCIETY OF
SAFETY PROFESSIONALS**

Southern Arizona Chapter

Honeywell Industrial Hygiene Internship

- Eligibility Criteria / Selection Process:
 - Completing Junior year of undergraduate studies or within 1 year of acquiring Master's degree in health, safety, environmental, industrial hygiene, or a related field by May 2019
 - Graduation Date – May 2020
 - Must be available from mid-May 2019 to August 2019 (12 week internship commitment)
 - Send any resumes/inquiries to paul.holzman@honeywell.com and/or heidi.roeber@honeywell.com by **October 26, 2018**