



Topics This Month

Upcoming Events, Important Deadlines, ESGP-SA Activities, Student Spotlight, Update request

Volume 5  
Issue 2

October  
2018

# ESGP NEWS

A monthly newsletter brought to you by the  
Environmental Science Graduate Program



## OSU 2018 Homecoming



### Joke of the Month

Why did the  
researcher defend  
her thesis in a corn-  
field?



She knew the  
audience would  
be all ears and  
easily  
'a-maize-ed'

### ESGP Seminar Series

#### Mark Dilley

Founder and Co-Owner of MAD Scientist & Associates

October 5 , 2018 | 3:00 pm - 4:00 pm 330 | Cunz Hall

#### ***"The Evolution of an Unconventional Environmental Consulting Firm: MAD Scientist Associates."***

*In his seminar, Mark Dilley will discuss some of his company's history, their goals for the future , and he will provide some examples of the services MAD Scientist and Associates offers, as well as projects they have completed. A special emphasis will be given to ecological restoration and public education.*



*Mark Dilley earned a B.S. in Natural Resources (Fisheries Management) in 1991 and a M.S. in Environmental Science (specializing in wetlands) in 2003, both from The Ohio State University. He and his wife Christine are co-owners of a WBE, WOSB, and EDGE-certified environmental consulting firm, MAD Scientist Associates, specializing in ecological and wetland consulting. He is also a lecturer at The Ohio State University, where he teaches Wetland Ecology & Restoration.*

*Mark has over 20 years experience as a field biologist, ecologist, and wetland scientist. He is an EPA-certified Level 3 Qualified Data Collector (QDC) for fish and habitat studies in Ohio, a Certified Senior Ecologist, Certified Ecological Restoration Professional, and Professional Wetland Scientist. Mark has conducted ecological surveys in over 11 states, at a variety of sites, including Department of Energy, NASA, and U.S. military facilities, landfills, and industrial sites. His academic research has focused on biological monitoring of streams and rivers and atrazine (agricultural herbicide) fate and transport processes in constructed wetlands. In his current role, he manages several dozen projects annually involving ecological surveys; environmental education; and wetland delineation, permitting, and assessment. Mark and the MAD Scientist Team also provide restoration design and construction oversight services for a wide variety of public and private clients.*

## Other Events

OCTOBER						
S	M	T	W	T	F	S
					WELL Wrkshp	
	1	2	3	4	5	6
			FF&F			BioArt
						Habitat
7	8	9	10	11	12	13
Science Sun.	AEESP	World food	Career expo			Park Wrkdy
	Film Series	Prof. network				
14	15	16	17	18	19	20
	Film Series		Petal & Metal	Law Fair	Hallo. Pty	Career con.
				Sust. Sum.		Volunteer
21	22	23	24	25	26	27
	Film Series					
28	29	30	31			

**10/05** WELL (Building Standard) Workshop

**10/10** Flannel, Friends, and Fall Beer

**10/13** BioArt Workshop

**10/13** Habitat for Humanity volunteering

**10/14** Science Sundays — Bio-Surfaces

**10/15** AEESP Distinguished Lecture Series

**10/15** Environmental Film Series

**10/16** World Food Day

**10/16** Environmental Professional Network

**10/17** CFAES Career expo

**10/20** Goodale Park Workday

**10/22** Environmental Film Series

**10/24** Fall Petals to the Metal

**10/25** Summit on Sustainability

**10/25** Law Fair

**10/26** Westgate Halloween Party

**10/27** Environmental Career Conference

**10/27** Franklin Park Conservatory volunteering

**10/29** Environmental Film Series



## Important Deadlines

### Graduation Calendar

<i>Application to Graduate due .....</i>	<i>September 7, 2018</i>
<i>Examinations and Reports completed by .....</i>	<i>November 21, 2018</i>
<i>Approved Thesis &amp; Dissertation submitted/accepted by .....</i>	<i>November 30, 2018</i>
<i>Commencement .....</i>	<i>December 16, 2018</i>
<i>End of Semester Deadline .....</i>	<i>January 4, 2018</i>

**For more information .... [Click here](#)**

### ESGP-SA Activities

*Join the Environmental Graduate Science Program Student Association for happy hour this Friday at **Ethyl & Tank** after ESGP seminar (~4:30 PM)*



**Follow the ESGP Student Association on Instagram!**



*For all the latest new on upcoming ESGP-SA events, updates on past activities, and information on how to get involved!*

*'Follow the Environmental Science Graduate Program Student Association for food, fun, and friendship'*

[Link to ESGP-SA Instagram](#)

### Sarah Haines

#### Describe your research/thesis project

*The title of my research project is “Modeling microbial growth in carpet dust at varying relative humidity conditions using the time-of-wetness model”. We spend ~90% of our time indoors and when we’re inside we are exposed to many different aerosols, one of them being microbes. Microbes can actually grow in dust carpet, especially at elevated relative humidity (RH) levels. Your home environment doesn’t stay at a constant RH throughout the day though, so my project looks at how the daily changes in RH in a home could be affecting this microbial growth in carpet. I’ve been all over Ohio the past two years collecting carpet and dust from 19 people’s homes and using it for my experiments. Happy to say I have finally completed all that carpet sampling and am finishing up the analysis for my project!*



#### Are you traveling to present at any interesting upcoming conferences?

*YES! I have been very busy the past couple months traveling to different conferences across the country. This summer I attended The Microbiology of the Built Environment Conference in Biddeford, ME where I presented a poster and Indoor Air in Philadelphia, PA where I gave a platform talk. I also recently attended The AAAR Indoor Aerosol Conference in St. Louis, MS where I again gave a platform talk about my research. The most exciting conference that I have coming up though is the International Astronautical Congress 2018 in Bremen, Germany. I have been working with the Battelle Center on a project to automate my dust and RH experiments on the International Space Station (ISS). Since the ISS lacks gravity, particles float around and do not settle like they do on Earth. Because of this, they can interfere with astronaut’s upper respiratory system. I will be giving a presentation to show why this work on the ISS is necessary for astronaut health. Mostly though I can’t wait to explore the city of Bremen, meet people from all over the world who are passionate about the future of space exploration and have dinner with Bill Nye (the science guy)!*

## **As the ESGP-SA social media chair, what should people do if they want to get more involved with the student association?**

*There are a lot of ways to stay up to date on all the social happenings in ESGP. We have a Instagram page [@esgp\\_sa](#) where we post pictures events and reminders of up and coming events! The best place to go for information on activities though is through our ESGP Student Group on Facebook <https://www.facebook.com/groups/792052630987942/>. Here all our members can post about different events happening on campus or in Columbus be it Frisbee at Fred Beekman Park, Trivia at District PourHouse or just getting a group together to go see a movie at the Gateway! ESGP-SA also sends out a weekly email discussing upcoming events and when we will be having student association meetings (normally at 2:30pm in Cunz 330) so make sure to look out for that! , don't forget to come to Happy Hour at Ethyl and Tank ~4pm after seminar every week. Happy hour is a great way to get to know other ESGPers and make some new friends!*

## **What are some of your favorite autumn activities in Columbus?**

*I'm an avid walker (sometimes runner) and I love going to the trails here in Columbus in the fall. The Olentangy trail runs down along the river and is a great place to get away from campus for a little respite. The Clintonville Farmers Market is another autumn staple and it's pretty close to campus. It runs until November 17th every Saturday from 9am-12pm on N. High Street between Orchard lane and W. Dunedin Rd . There're always some fresh baked goodies as well as tons of different fruits and veggies to choose from. The October and November Short North Gallery Hops are also always a great time especially when they start serving warm apple cider on the street.*

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### Request for Updates

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Please send and recent publications, awards and honors, or other news items to Sam Cochran ([cochran.383@osu.edu](mailto:cochran.383@osu.edu)) so they can be highlighted in the newsletter or on

#### The Environmental Science Graduate Program

The Ohio State University  
3138A Smith Lab, 174 West 18th  
Columbus OH, 43210  
[enviro@osu.edu](mailto:enviro@osu.edu)  
(614) 292-9762