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I. DWRC NEWS

Spotlight on 2012-13 DWRC Undergraduate Internships

UD’s Department of Applied Economics and Statistics (formerly Food and Resource Economics) DWRC intern Tyler Monteith explains the approach he took to what may sound like a complicated project in “The Returns to Best Management Practices: Evidence from Early Proposals for Nutrient Trading in the Chesapeake Bay Watershed”: “Over the past year, I have been working with Dr. Joshua Duke on his research topic of nutrient trading in the Chesapeake Bay watershed, more specifically a newly implemented program in Maryland. As the need for nutrient reductions to the bay increases, targeting non-point sources of water pollution, such as agriculture, are becoming much more viable alternatives. As an extension of Dr. Duke’s original study, we created a subsection for me to focus on - the expected participation rate for this particular trading program in Maryland. This past summer, using agronomic data collected in Maryland, we were able to compare the benefits farmers may accrue from trading to the costs, thereby predicting possible participation rates. The funding from the DWRC for the summer allowed me to get a head start on this project, which is the basis for my current senior thesis project.”
Finishing **DWRC** Graduate Fellow Maryam Akhavan recently won a TOUGH (Transport of Unsaturated Groundwater and Heat) Symposium 2012 Student Fellow Award. (TOUGH is a suite of numerical codes/flow model computer programs developed primarily at Lawrence Berkeley National Laboratory (LBNL)). By winning this award, she was able to attend the symposium from Sep. 17-19 at LBNL to present her paper “Importance of Overland Flow in Denitrification” while having her registration fee, airfare, and hotel costs covered. To learn more about TOUGH and her achievement, visit [http://esd.lbl.gov/research/projects/tough/events/symposia/toughsymposium12/authorinstructions.html](http://esd.lbl.gov/research/projects/tough/events/symposia/toughsymposium12/authorinstructions.html).

### II. JOBS IN WATER RESOURCES

**2012-13 UD WATER undergraduate internships.** Selection is underway. The newest internship projects will be announced in the next issue of Water News.

Visit [http://www.ceoe.udel.edu/prospective/scholarships/index.shtml](http://www.ceoe.udel.edu/prospective/scholarships/index.shtml) for news about fellowships through the **University of Delaware College of Earth, Ocean, and Environment**.

Visit [http://denin.udel.edu/fellowships-internships](http://denin.udel.edu/fellowships-internships) for news about fellowships and internships through the **Delaware Environmental Institute**.

### III. UPCOMING WATER CONFERENCES / EVENTS

**Sunday, Oct. 7, 2012: UD 36th Annual Coast Day.** Rain or shine, 11 AM – 5 PM. Schedule of events and location are found at [http://www.ceoe.udel.edu/coastday/](http://www.ceoe.udel.edu/coastday/).

**Thursday, Oct. 11, 2012: Experience the Estuary Celebration**
Organized by The Partnership for the Delaware Estuary, “**Back to Nature,**” features a cocktail reception, Delaware Bay oyster raw bar, dinner, auctions, and music at Bellevue State Park’s Figure-8 Barn in Wilmington, DE from 5:00 - 8:30 PM. Visit [http://www.delawareestuary.org/news_dinner_reception.asp](http://www.delawareestuary.org/news_dinner_reception.asp).

**Monday, Oct. 15, 2012: Center for Science, Ethics & Public Policy Presentation**
Kathleen Dean Moore, Distinguished Professor of Philosophy at Oregon State University, presents “**Why It’s Wrong to Wreck the World: Climate Change and the Moral Obligation to the Future**” at Brown Lab Auditorium located off the North Green on UD’s main campus in Newark at 7:00 PM. For more information visit [http://www.udel.edu/udaily/2013/oct/moore-earth-100212.html](http://www.udel.edu/udaily/2013/oct/moore-earth-100212.html).
Oct. 15-18, 2012: 28th International Conference on Soils, Sediment, Water and Energy, University of Massachusetts, Amherst, MA

Saturday, Oct. 20, 2012: Cultivating Sustainable Communities
Billed as Historic Penn Farm’s Common Ground Forum, “Cultivating Sustainable Communities” is a conversation with Fred Kirschenmann, Ph.D. with audience participation encouraged. The talk will be held at UD’s Arsht Hall in Wilmington, DE from 1:00 - 3:00 PM. Visit http://historicpennfarm.org or call 302-655-7275 to register.

The meeting, “Visions for a Sustainable Planet,” will be held in Cincinnati, OH. Visit https://www.acsmeetings.org/.

Interested in the water resources of our state, and enjoy getting outdoors to learn about their history, science, and protection? Then consider participating in the

2012 DE AWRA Scavenger Hunt!

Delaware Section of the American Water Resources Association (DE AWRA)
www.deawra.org

WHAT
A statewide water resources scavenger hunt

WHEN
October 20-November 20, 2012

HOW
Teams must consist of 2-4 individuals; team captain must be 18 years or older.

COST
FREE

INFO
Register here: www.deawra.org/scavhunt

WINNER
A cash Grand Prize will be awarded based on speed, creativity, and completeness of package! Other prizes will be given out.

*Pick up clues on October 20, 2012 at the Blackbird Creek Fall Festival, 801 Blackbird Landing Rd., Townsend, DE, at the Activity Tent between 10 a.m. and 4 p.m.; otherwise clues will be posted at http://www.deawra.org/scavhunt no later than midnight on October 23rd.
**Wednesday, Nov. 7, 2012: WRADRB Fall Conference**
The Water Resources Association of the Delaware River Basin presents the conference, **“Energy, Water and the Environment in the Delaware River Basin,”** at the Rutgers EcoComplex in Bordentown, NJ. Visit [http://wradrb.org/events.asp](http://wradrb.org/events.asp), call 610-917-0090, or email wradrb@comcast.net. Directions are found at [http://ecocomplex.rutgers.edu](http://ecocomplex.rutgers.edu). Payment must be received by Nov. 2.


The **Delaware Section of the American Water Resources Association** meeting information is found at [http://www.deawra.org/meetings](http://www.deawra.org/meetings). Learn about the activities of the Delaware Student Section at [http://student.deawra.org](http://student.deawra.org).

The **Delaware Nutrient Management Commission** (as well as other State of Delaware departments) public meeting and workshop information is found at [http://egov.delaware.gov/pmc/](http://egov.delaware.gov/pmc/).
Blue Shades of Green Infrastructure
A discussion on green infrastructure and its impact on water resources.

The Delaware Section of the American Water Resources Association (DEAWRA) is hosting a one-day symposium to discuss green infrastructure in Delaware and its impact on water resources.

DISCUSSION TOPICS
- Auburn Heights
- Wilmington Green Infrastructure Initiatives
- C&D Canal
- Tax Ditches
- Urban Tree Canopy
- First State Pathway Program
- Wetlands as Green Infrastructure
- Bayshores Initiative
- Economic Impacts of Green Infrastructure

Invited Speaker
Secretary Collin O’Mara (Secretary, DNREC)

For more information contact:
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WHEN:
November 28, 2012
9:00 a.m.-3:30 p.m.

WHERE:
St. Jones Reserve
Dover, Delaware

REGISTRATION:
www.deawra.org
Deadline: 11/12/11
Space is limited!

COST:
Members $20
Nonmembers $35*

*Includes one-year DEAWRA membership
As a follow-on to the Sep. 25, 2012 White Clay Wild and Scenic Watershed Symposium held at the Stroud Water Research Center, the presentations have been posted at http://www.whiteclay.org/.


This year marks the 40th anniversary of the Clean Water Act. To commemorate the legislation’s four decades of helping to protect our nation’s water resources, EPA invites you to submit a 15-second video containing only original content that describes the important role water plays in your life. Each video should include the phrase “Water is worth it because…,” but the rest is up to your creativity. Video submissions must be received by Oct. 18, 2012 (deadline extended). To learn more and register, visit http://water.epa.gov/action/cleanwater40c/video-project.cfm.


Welcome new subscribers! Contributions, comments and questions are always appreciated. Water E-News serves citizens interested in topics on Delaware water resources and is published by the Delaware Water Resources Center, University of Delaware. Our address: 113 Townsend Hall, Newark, DE 19716-2103. Phone: 302-831-0847; fax: 302-831-0605; Web: http://ag.udel.edu/dwrc/. Dr. Tom Sims, Director, email jtsims@udel.edu; Maria Pautler, Program Coordinator, email mpautler@udel.edu. To unsubscribe, email mpautler@udel.edu with “Unsubscribe Water E-News” in the subject line.