



UA Water Sustainability Program News

- April, 2012

FUNDING OPPORTUNITIES

- **WRRC SUMMER WRITING INTERNSHIP** - The Water Resources Research Center is accepting applications for the 2012 Montgomery & Associates Summer Writing Internship. This year's topic will be water contaminants of emerging concern. Students from UA, ASU and NAU are eligible to apply. DEADLINE: FRIDAY, APRIL 20, 2012. wrrc.arizona.edu
- **WEES WORKSHOP AND SPEAKER GRANTS** - The Water, Environmental and Energy Solutions Initiative is offering funding for UA faculty, staff and student groups to host speakers and workshops in FY2013. DEADLINE: MONDAY, APRIL 30, 2012. wees.arizona.edu

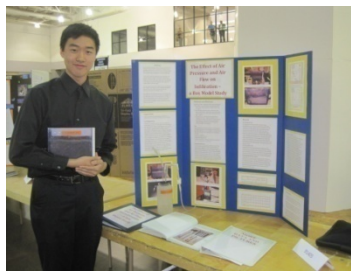
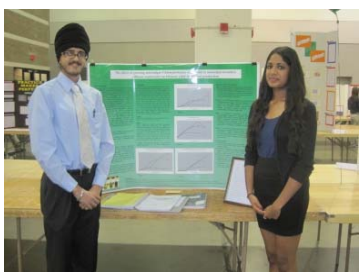
EVENTS

WSP Student Fellowship Presentations, April 12, 2012, 3:30 to 5:30 pm. Catalina Room, UA Student Union Memorial Center. Refreshments will be served.

- *Graduate Research Presentations*
 - Monica Ramirez**, PhD Candidate - Gardenroots: A Citizen Science Program to Empower Communities Neighboring Contamination, Soil, Water and Environmental Science - Advisors: Raina Maier, Janick Artiola, Mark Brusseau
 - Kevin Ray**, MS Candidate - Sensitivity to Residential Water Demand to Recent Price Increases in Urban Phoenix Communities, Agricultural and Resource Economics - Advisors: Satheesh Aradhyula, Gary Thompson
 - Berenise Rivera**, PhD Candidate - Analyzing Water Samples for Sources of Contamination Using PCR and qPCR, Soil, Water and Environmental Science - Advisor: Channah Rock
 - Lucia Rodriguez-Freire**, PhD Candidate - Bioremediation of Arsenic-Contaminated Groundwater through the Formation of Arsenic Sulfide Minerals, Chemical and Environmental Engineering - Advisor: Reyes Sierra
 - Becky Witte**, MS Candidate - Probabilistic Risk Assessment to Determine Possible Failures in the Tucson, Arizona Water Supply, Hydrology and Water Resources - Advisor: Larry Winter
- *Undergraduate Research Presentations*
 - Rachel Maxwell** - Measuring the Accumulation of Polychlorinated Biphenyls in Mixed Conifer Forest Soils, Santa Catalina Mountains, AZ, Soil, Water and Environmental Science - Advisor: Jon Chorover
 - Brian Scott Sheppard** - The Effect of Wildfire on Rangeland Sustainability in the San Rafael Valley, Hydrology and Water Resources - Advisor: Martha Whitaker

TRIBUTES

- Sharon Megdal , WSP director, was recognized for her innovative work linking water conservation to environmental enhancement, at UA Innovation Day, March 6. She was one of five UA faculty to receive a UA at the Leading Edge award for performing cutting-edge research and translating that research into real-world application. See the video: http://www.youtube.com/watch?feature=player_embedded&v=kGPLwT6IABk
- Raina Maier, professor, Soil, Water and Environmental Science, has been named Director of the UA Superfund Research Program. She previously served as Associate Director. Superfund is a WSP affiliated center focused on hazardous waste risk and remediation in the Southwest. Former Director Jay Gandolfi has stepped down after directing the program for the past 13 years. Superfund was refunded by NIEHS for another five-year period, 2010-2015.
- WSP-SWES Day Awards - WSP provided awards for the 1st Place Oral Presentation that went to Corin M Hammond for his talk on *Biogeochemical transformation of metal(loid)s during phytostabilization, Iron King Mine tailings, Dewey-Humboldt, AZ* and for the 1st Place Poster Presentation that went to Juliana Gil-Loaiza for her poster on *Scaling Phytostabilization from Greenhouse to Field-Scale at the Iron King Mine-Humboldt Smelter Superfund Site*. SWES Day was held March 29 during Earth Week, sponsored by the School of Earth and Environmental Sciences: www.sees.arizona.edu/sees/ew2012/
- WSP-SARSEF Awards - WSP is pleased to announce awards for the top three water-related projects by high school students in this year's Southern Arizona Regional Science and Engineering Fair, March 13-19: **1st Place**: Sumedha Ravishankar & Sirtaj Singh, "The Affects of Growing *Chlamydomonas reinhardtii* in Municipal Secondary Effluent Wastewater on Biomass Yield For Biofuel Production", Empire High School, Tucson; **2nd Place**: Emerson Patricio & Dayanara Sixkiller, "Babosphere", Baboquivari High School, Sells; and **3rd Place**: Stephen Yao, "Effect on Infiltration by Air Pressure and Air Flow", University High School, Tucson. Hear more from these outstanding students and their innovative projects April 12 at the WSP Fellowship presentations.



NEW MEDIA

- Guzin Bayraksan, assistant professor, Systems and Industrial Engineering, and Bob Arnold, professor, Chemical and Environmental Engineering teamed up on a WSP grant last year on water reuse. One of the products is a 14 minute video on water reclamation in the Tucson region. See the video on YouTube: <http://youtu.be/wMlae-xZKY0>