

Restoration news bites:

- ◆ ERIE IGERT Trainees Stacey Blersch & David Spiering recently worked with Groundwork Buffalo's Green Team on a restoration project at Tiff Nature Preserve as part of ERIE's K-12 outreach.
- ◆ ERIE IGERT Trainee David T.R. Stewart was awarded the Best Ph.D. Student Platform Presentation Award at the *Laurentian Chapter of the Society of Environmental Toxicologists and Chemists (SETAC) Annual Meeting*.
- ◆ ERIE IGERT Trainee Sarah Whiteway & Ph.D. candidate Colleen Bronner presented a poster on stream mitigation policy assessment at the *Clean Water Act at 40: Facing the Future Conference* co-authored by Amy Bartlett (Program Coordinator), Doug Lambert (ERIE IGERT Trainee), Dr. Sean Bennett (ERIE Co-PI), & Dr. Alan Rabideau (ERIE PI). A paper on this work has been accepted for publication in the *Journal of the American Water Resources Association (JAWRA)*.
- ◆ ERIE IGERT Trainee Valerie Goodness presented a poster "Interdisciplinary evaluation of a wetland enhancement project for the Tuscarora Nation" at the 2012 NSF IGERT Trainee Video & Poster Competition. The poster highlighted recent ERIE Practicum work and was co-authored by Trainees Doug Lambert & Sarah Whiteway.
- ◆ ERIE IGERT Trainee Susan Macintosh was the recipient of the Otto Hutzinger Student Award for Outstanding Student Presentation at the *2012 Dioxin Symposium*.

Summer 2012 Stream Ecosystem Restoration Workshops



Participants practice surveying fish with U.S. Fish and Wildlife Service's Ray Li. Photo credit: Doug Lambert

This past summer we had a successful series of workshops focused on stream ecosystem restoration. Participants learned the latest in both restoration science and applied skills from leading researchers and practitioners.

We are already busily planning the 2013 workshops. They are tentatively slated to begin on May 28th and run through June. Please stay tuned to the [workshop webpage](#) for updates. We will also continue offering a Certificate in Stream Restoration to those participants who complete the required workshops.

Courses for 2013 will include introductory workshops on stream physical and ecological processes, stream restoration design and project management, and stream assessment and monitoring. Other workshop topics will include riparian ecology and restoration, modeling of alluvial channels, invasive species management, bioengineering, stream and groundwater interactions, streambank stability analysis, and more!

Thank you to everyone who helped make our 2012 program a success!



Participants preparing to quantify stream flow with UB's Dr. Chris Lowry. Photo credit: Doug Lambert

Welcome 2012 ERIE IGERT Trainees

This fall the ERIE IGERT doctoral Program welcomes four new Trainees: Jonathon Pleban (Geography), Beynan Ransom (Civil Engineering), Luke Scannell (Civil Engineering), and Joshua Wallace (Chemistry). This is the last incoming cohort to the ERIE IGERT Program. To find out

more about all of the ERIE IGERT Trainees past and present, visit our [ERIE People](#) page.

These students bring a wealth of knowledge and experience to our program. We congratulate them and wish them the best of luck!

Please Donate Now!

Please consider donating to the **Ecosystem Restoration Scholarship Fund**. Your tax-deductible gift will support summer student research in ecosystem restoration in the Great Lakes and western New York Region. **Your support is greatly appreciated.** Donations are accepted [online](#). Thank you!



ERIE REU students and staff visiting Forest Lawn Cemetery with Buffalo Audubon Society.



Logan Brunner (middle), winner of the best poster at the REU Symposium, and his phytoremediation project team.

Summer 2012 ERIE REU Program

This summer the ERIE Research Experience for Undergraduates (REU) hosted nine students from across the United States. These bright and talented students were chosen from a pool of over 250 applicants. The 2012 students were: Richard Alcalá (California State Polytechnic University Pomona), Elliot Alexander (SUNY College of Environmental Science & Forestry), Aubrey Beckinghausen (University at Buffalo), Logan Brunner (John Hopkins University), Peter Byrley (University at Buffalo), J. Oliver Haugland (Marquette University), Meghan Heintz (Humboldt State University), Eileen Oelhaf (Hobart & William Smith Colleges), and Lee Joan Villafuerte (Worcester Polytechnic Institute).

The REU students conducted ecosystem restoration related research under the guidance of professors with assistance from doctoral students and outside partners such as the Tuscarora Environment Program. Projects ranged from phytoremediation of groundwater, restoration of river meanders, wetland enhancement, low-tech drinking water treatment, and more. They also had weekly environmental ethics and values workshops led by ERIE IGERT Trainee Robert Earle and weekly social outings focused on the environment of the WNY area over their 9-week stay at UB.

We hope to continue this program in 2013 and beyond pending funding. We will send out updates regarding the application period for next summer once more information is available. Please visit our [ERIE REU webpage](#) for more information.

ERIE IGERT Trainee Shannon Seneca Graduates!



Shannon Seneca (middle) at graduation with M.S. students Schuyler Chew (left) and Beynan Ransom (right).

Shannon Seneca is the second ERIE IGERT Trainee to complete their Ph.D. Dr. Seneca graduated in May and is the first female Native American to earn a doctorate in engineering at UB! Shannon's dissertation was entitled "Evaluation of a Natural Zeolite Permeable Treatment Wall in the Removal of Strontium-90 from Groundwater: Installation to Long-term Performance." Shannon and her advisor, Dr. Alan Rabideau (ERIE IGERT Principal Investigator), worked on the project through a unique partnership with West Valley Nuclear Services, U.S. Department of Energy, and Amec Geomatrix, who recently won the National Ground Water Association's 2011 Ground Water Remediation Award for this innovative groundwater restoration project.

You can read more about Shannon in this [UB Reporter article](#).

Congratulations, Shannon and we wish you the best of luck in all of your future endeavors!

We hope you enjoyed the first issue of the ERIE Newsletter. Please share with others who may be interested. If you have any suggestions, comments, or concerns, please contact Amy Bartlett, Program Coordinator, at amyb@buffalo.edu.

You can find more ERIE news and information at www.erie.buffalo.edu

Thank you!