



# GREAT LAKES RESEARCH CONSORTIUM

*Research, Education and Outreach on behalf of our Great Lakes*

## 2009-2010 Seminar Series

Presentation title	Name	Home Institution	Semester preference
Climate Change and Great Lakes Levels Management in the Context of Climate change. Will the Well Run Dry? Valuing Water before we Run Out"	Dr. A.P. Lino Grima	University of Toronto	Fall
Paleolimnological Studies of the Peace-Athabasca Delta: An Effective Approach to Assess Natural & Human-Induced Changes at a Landscape Scale	Roland Hall	University of Waterloo	Fall
Physics-Based Stochastic Modeling of Groundwater Flow and Contaminant Transport	Dr. Igor Jankovic	SUNY Buffalo	Fall
Five millennial-long paleo-hydrographs for the Upper Great Lakes constructed from ancient shorelines	Dr. John Johnston	University of Waterloo	Fall
Mercury Exposure: Different Chemical Forms Result in Different Toxicological Effects	Dr. Paul Kostyniak	University at Buffalo	Fall
Revitalization of Great Lakes Governance	Dr. Gail Krantzberg	McMaster University	Fall
Winter Assessment of Microbial Biomass and Metabolism in Lake Erie	Dr. Michael Twiss	Clarkson University	Fall
Biodegradation of pharmaceuticals in biological treatment systems	Dr. Diana Aga	University at Buffalo	Spring/Winter
Eutrophication Risk Assessment and Adaptive Management Implementation in Hamilton Harbour: A Bayesian Approach	George Arhonditsis	University of Toronto	Spring
Resource Sheds in the Great Lakes	Dr. Joe Atkinson	University at Buffalo	Spring
Risk assessment of PCB in fish: How to overcome deficiency of congener-specific PCB measurements?	Dr. Satyendra Bhavsar	University of Toronto	Spring
1. Global trends in mercury and metal biomagnification in the Great and large lakes of the world 2. Role of invasive and introduced species in foodwebs of large lakes and Great Lakes (Lakes Champlain, Simcoe, Nipigon, Ontario, Erie)	Dr. Linda Campbell	Queen's University	Spring
Differences in Water Consumption Choices in Canada: the Role of Socio-demographics, Experiences, and Perceptions of Health Risks	Diane Dupont	Brock University	Spring
Isolation and Characterization of hydrocarbon degrading bacteria from soils from Western New York	Dr. Jeffrey Lodge	Rochester Institute of Technology	Spring
Aquatic Invasive Species of the Great Lakes Basin: Introductions, Impacts, and Management	Charles O'Neill	New York Sea Grant	Spring
Round gobies in tributary streams: seasonal abundance, community effects, and energy consumption.	Dr. Chris Pennuto	Buffalo State College	Spring
1. Persistent Organic Pollutants in Male Common Carp and Steelhead Trout in Eastern Lake Erie 2. Type E Botulism in Lake Erie: Inter-Annual Differences and Trophic Transfer	Dr. Alicia Perez-Fuentetaja	Buffalo State College	Spring

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Environmental and Energy Benefits of Biofuels - A Lifecycle Perspective	Dr. Susan Powers	Clarkson University	Spring
Polyunsaturated fatty acids in the Lake Michigan food web and their effect on yellow perch reproductive success	Dr. Jacques Rinchard	SUNY Brockport	Spring
Algal pigments as biomarkers to assess diet, nutrition, and health of organisms from Lake Erie and Lake Ontario	Dr Katherine Alben	Environmental Health Sciences, University at Albany and New York State Dept Health	Either
Preventing Biofouling without Poisons: Lessons from Bioengineering	Dr. Robert Baier	University at Buffalo	video conference (no travel)
1.Toxic Cyanobacteria in the Great Lakes: Problems, Issues and Solutions. 2. Algal bio-diesel: Is it a solution to our current energy needs?	Dr. Greg Boyer	SUNY ESF	Either
Water Resources Research at the Syracuse Center of Excellence and Its Importance for Economic Development in Central Upstate NY	Dr. Lisa Cleckner	Syracuse Center of Excellence, Syracuse University	Either
Geospatial statistics and public service learning in community based environmental and urban brownfield science and policy.	Dr. Joseph Gardella	University at Buffalo	Either
Peak Oil, energy return on investment and our economic future	Dr. Charles Hall	SUNY-ESF	Either
Population monitoring, trophic relationships, and levels of bioaccumulative chemicals of concern in mink, a sentinel species.	Jim Haynes	SUNY Brockport	Either
Mercury in the Environment: Cycling and Sources	Dr. Thomas Holsen	Clarkson University	Either
1. Conservation biology of Blanding's turtles in northern New York 2. Conservation strategies for spruce grouse at the edge of the range 3. Edge of the Range: Conservation of Blanding's turtles in northern New York.	Dr. Glenn Johnson	SUNY Potsdam	Either
Long-term population and ecosystem response to the large-scale removal of a dominant non-native piscivore—smallmouth bass—in north temperate lake ecosystems	Dr. Clifford Kraft	Cornell University	Either
Locating and mitigating hotspots of road mortality of turtles and other herpetofauna along rural highway networks	Dr. Tom Langen	Clarkson University	Either
Climate Change Mitigation benefits of Managed Forests	Dr. Bob Malmshemer	SUNY ESF	Either
Lake and Watershed Interactions: Responses of Aquatic Plants, Algae, and Bacteria to Changes in Nutrient Inputs from Agricultural Watersheds	Dr. Joseph Makarewicz	SUNY Brockport	Either

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1. The Uncommon Loon: Population Genetics and Type E Botulism in <i>Gavia immer</i> . 2. The Decline of Eastern Hellbenders in the New York Allegheny Drainage.	Amy McMillan	SUNY Buffalo	Either
1. Fish Gelatin : A use for skin, scales and bones? 2. Slaughtering Aquacultured Fish — the Animal Welfare Issues.	Dr. Joe Regenstein	Cornell University	Either
Turning Inducible Defenses On and Off: Adaptive Responses of Zooplankton Prey to a Gape-Limited Predator	Dr. Howard Riessen	Buffalo State College	Either
Design of Experiments in Ecological Systems: some methods and issues	Jorge Luis Romeu	Syracuse University	Either
Interactions at the edge of distributions - on the importance of understanding distributions in Great Lakes pelagia	Dr. Lars Rudstam	Cornell University	Either
1. Sustaining the Worlds Wetlands; Story of GL Wetlands Policy Consortium 2. Facilitation of Revitalization of Onondaga Creek; An Urban Creek with multiple stakeholders	Dr. Richard Smardon	SUNY-ESF	Either
Fatty Acids and Thermal Tolerance in Freshwater Alewives	Dr. Randal Snyder	Buffalo State College	Either
Water and the Ecocity	Dr. William Tully	SUNY-ESF	Either
1. Air Pollution Dispersion, the effects of Shear on plumes from point sources 2. An overview of the skeptical scientific evidence surrounding the role of humans in climate change.	Dr. Chris Walcek	University at Albany	Either
A cleaner and energy independent America through chemistry, materials and public participation.	Dr. Stanley Whittingham	Binghamton University	Either