

# **Great Lakes 2011 Research Conference Highlights CSCOR Science**

## ***List of Presentations***

### **Coastal Hypoxia Research Program (CHRP)**

**Observations of Hypoxia and Linkages to Climatic Changes in Biogeochemical Cycles in Green Bay, Lake Michigan.** J. Klump, P. Anderson, K. Weckerly, D. Szmania, J. Waples, E. Tomzik, T. Valenta, and J. Kennedy (*Session 22; oral presentation, Thursday, June 2, 9:00 a.m. - 9:20 a.m.*)

### **Ecological Forecasting Program (ECOFORE)**

**A 3-Dimensional Advanced Aquatic Ecosystem Model for Lake Erie.** D. Rucinski, D. Beletsky, J. Depinto, D. Scavia, and D. Schwab (*Session 22; oral presentation, Thursday, June 2, 8:00 a.m.-8:20 a.m.*)

**Developing a Modeling Framework for Ecosystem Forecasting: the Lake Michigan Pilot.** J. Read, F. Martinez, R. Kreis, D. Bunnell, D. Schwab, and D. Mason (*Session 31; oral presentation, Wednesday, June 1, 5:00 p.m.-5:20 p.m.*)

**Elucidating Indirect Impacts of Seasonal Hypoxia Development on Fish Populations in Lake Erie Using a Spatially Explicit Individual-Based Model.** D. Goto, D. Rucinski, J. Depinto, S. Ludsin, D. Scavia, and T. Hook (*Session 39; oral presentation, Tuesday, May 31, 1:40 p.m.-2:00 p.m.*)

**Recent Trends in N and P in the Maumee and Sandusky Rivers, Lake Erie Tributaries.** R. Richards (*Session 22; oral presentation, Wednesday, June 1, 9:40 a.m.-10:00 a.m.*)

**Updating Great Lakes Total Phosphorus Loadings.** D. Dolan and S. Chapra (*Session 22; oral presentation, Wednesday, June 1, 8:00 a.m.-8:20 a.m.*)

**Using the Soil and Water Assessment Tool (SWAT) to Evaluate the Impact of Nutrient Source Reduction and Agricultural BMP Implementation on Riverine Loads to Lake Erie.** N. Bosch and J. Allan (*Session 22; oral presentation, Wednesday, June 1, 10:40 a.m.-11:00 a.m.*)

### **Monitoring and Event Response for Harmful Algal Blooms (MERHAB)**

**Blue-Green Algae are not Green Algae - Calibration and Application of *In Situ* Sensors for Cyanobacteria.** G. Boyer, M. Pavlac, E. Konopko, J. Sullivan, and S. Watson (*Session 27; oral presentation, Thursday, June 2, 10:00 a.m.-10:20 a.m.*)

**The Occurrence of Cyanobacterial Toxins in Lake Atitlan, Guatemala - A Cautionary Tale for Toxic Cyanobacteria Research in the Great Lakes.** P. Mayorga and G. Boyer (*Session 22; oral presentation, Thursday, June 2, 2:20 p.m.-2:40 p.m.*)

**Multiple Stressor Research Program (MULTISTRESS)**

**Application of a Fine-Scale Ecosystem Model to Saginaw Bay, Lake Huron.** E. Verhamme, J. Depinto, and T. Redder (*Session 22; oral presentation, Wednesday, June 1, 4:00 p.m.-4:20 p.m.*)

**Distributions, Diets and Growth of Young Walleye in Saginaw Bay, Lake Huron.** S. Stein, S. Pothoven, C. Roswell, and T. Hook (*Session 10; oral presentation, Tuesday, May 31, 4:40 p.m.-5:00 p.m.*)

**Do Sub-Optimal Foraging Strategies Reduce Recruitment of Yellow Perch in Saginaw Bay?** C. Roswell, S. Pothoven, and T. Hook (*Session 10; oral presentation, Wednesday, June 1, 1:40 p.m.-2:00 p.m.*)

**Dreissenid Mussel Influences on Phosphorus Export From Saginaw Bay to Lake Huron.** C. Stow, Y. Cha, T. Nalepa, and K. Reckhow (*Session 18; oral presentation, Tuesday, May 31, 4:00 p.m.-4:20 p.m.*)

**Estimating Impacts of Round Goby Predation on Dreissenid Abundance in Saginaw Bay, Lake Huron.** C. Foley, C. Roswell, S. Pothoven, T. Nalepa, and T. Hook (*Session 11, poster presentation BE-28, Tuesday, May 31, 5:00 p.m.-7:00 p.m.*)

**Factors Influencing Yellow Perch Recruitment in Saginaw Bay, Lake Huron.** L. Ivan, T. Hook, M. Thomas, and D. Fielder (*Session 39; oral presentation, Tuesday, May 31, 9:00 a.m.-9:40 a.m.*)

**Interannual Variability of Circulation in Saginaw Bay.** D. Beletsky, R. Beletsky, D. Schwab, E. Anderson, and G. Lang (*Session 1; oral presentation, Tuesday, May 31, 3:40 p.m.-4:00 p.m.*)