

A Water Luncheon Seminar



► Presented by:
The Water Management Association of Ohio
and
The Ohio Water Resources Center

July 29, 2015; 11:30 a.m. - 1:00 p.m.

Wilma H. Schiermeier Olentangy River Wetland Research Park,
The Heffner Building, 352 Dodridge St. Columbus, OH 43202



From St. Rt. 315, exit east onto Ackerman Rd, continue past Olentangy River Rd onto W. Dodridge St, then left into Park driveway.

The Legion of Bloom: Algae, Remote Sensing, and Lake Erie

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The City of Toledo Water emergency of August 2014 brought to the nation's attention the threat algae blooms present to cities, Lake Ecosystem, and the way of life for Lake Erie. As a result the algae bloom mitigation effort is actively managed by multiple stakeholders, visible, and accountable for results.

This presentation breaks out the Lake Erie's algae bloom process into its main components: geography drivers, nutrient loading sources (agriculture, water discharge practices), and climate (global warming). The presentation will describe the cyanobacteria byproducts, spectral signatures, and the remote sensing platforms used in the bacteria characterization. A signature-driven model for the early identification of an algae bloom event will be discussed. Ohio nutrient mitigation efforts will be described (Senate Bill 150, and Senate Bill 1). Finally, a forensic view of Great lake St. Mary's algae bloom events will be presented with the goal of providing a lessons learned framework.

Please register by July 24, 2015. Late or on-site registrations cost \$5 extra and are not guaranteed a meal. For registered engineers who need Professional Development Hours (PDHs), this presentation offers 1 PDH.

WMAO Member (\$15) Nonmember (\$18) Student (\$7) Special meal? _____

Name _____

Organization _____

Address _____

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Please send form and check to: WMAO-Luncheon, 8440 E. Washington St. #206, Chagrin Falls OH 44023.

OR, register online with a credit card at: www.wmao.org.