

Please send water-related items to post in the CWS weekly email to Carol Asiala at mtcws@mtu.edu. Please include conferences you attend, publications, seminars in your departments, links to water news items and announcements, and notifications of new funding.

- 1. Seminars**
 - 2. Water News**
 - 3. Funding Opportunities**
-

1. Seminars

Friday, October 5, 2007

Colin Brooks, Research Scientist and Manager of Environmental Science Laboratory
Michigan Tech Research Institute (MTRI)

"Using web-based decision support systems to understand the impacts of contamination on Great Lakes rivers and human health"

M&M (building 12), room U113

2:00 p.m.

"Michigan Tech Research Institute (MTRI) poster presentations

Fisher Hall on the first floor near the Aftermath Café

9:00 to 11:30 AM

1:30 to 4:30 PM

MTRI staff will discuss current projects, collaborations with Michigan Tech departments and staff, and areas of research interest. Please stop by to view current activities, and to explore opportunities to develop new working relationships.

October 29–31, 2007

[Making a Great Lake Superior 2007](#)

On the waterfront in Duluth, MN

Duluth Entertainment and Convention Center

[More links and information in Sept 17 newsletter](#)

September 15 – October 25, 2007

"Paradise Lost? Climate Change in the North Woods,"

Omphale Gallery in Calumet, MI.

<http://www.wisc.edu/cbe/K12/paradiselost.html>

June 22 - 25, 2008

Sustainability 2008: Green Practices for the Water Environment

Deadline for Abstract Submittal Deadline: November 12, 2007

Gaylord National on the Potomac

National Harbor, Maryland USA

2. Water News

CheckMyLake.org is a new website for checking the safety of Minnesota lakes.

6 die from brain-eating amoeba in warm lake waters; health officials tracking cases

Daily Mining Gazette, Saturday, September 29, 2007

Lake Superior sets record for low water

AP via Yahoo! News - Oct 01 3:24 AM

Retreating Ice: A blue Arctic Ocean in summers by 2013?

International Herald Tribune - Oct 01, 2007

More articles at:

<http://www.uswaternews.com/homepage.html>

3. Funding Opportunities

To submit research proposals through the Center for Water and Society, add "CWS" to the DEPT/CENTER/INSTITUTE(S) column for identifying the PI's and co-PI's. The transmittal sheet must then be signed by the CWS Director, Alex Mayer, on page 3.

(If Alex Mayer is unavailable to sign transmittal sheets, John Sutherland can also sign for CWS)

Faculty Environmental Management Participation at the U.S. Army Environmental Center

Oak Ridge Associated Universities (ORAU)

Oak Ridge Institute for Science and Education (ORISE)

Faculty Opportunities

<http://fundingopps.cos.com/alerts/36711>

Dynamics of Coupled Natural and Human Systems (CNH) - NSF 07-598

National Science Foundation (NSF)

<http://fundingopps.cos.com/alerts/101235>

Center for Water and Society Web Site: <http://www.mtcws.mtu.edu>

The **Center for Water and Society** is co-sponsoring this event of the Environmental Engineering Seminar Series with Civil & Environmental Engineering and Biological Sciences

Monday, October 8, 2007

Thomas E. Croley II
Great Lakes Environmental Research Laboratory
"Great Lakes Hydrology Modeling with the Advanced Hydrologic Prediction System"

Dow 642

3:00 p.m.

This seminar is co-sponsored by Civil & Environmental Engineering, Biological Sciences, and the Center for Water and Society

Abstract

The Large Basin Runoff Model, Lake Thermodynamic Model, trans-watershed water balances, routing models, and regulation models are used at the Great Lakes Environmental Research Laboratory (GLERL) to estimate basin runoff, lake evaporation, channel flows, and lake levels in the Great Lakes for use in long-term routing determinations, water resource operation decisions, operational hydrology studies, and long-term forecasting. Data availability over large areas, large-basin applicability, computation requirements, and model application costs often preclude the use of detailed watershed models, designed for small scales, for large-scale applications. The GLERL applies the Large Basin Runoff Model to each of the 121 watersheds in the Great Lakes basin and applies the Lake Thermodynamics Model to the 7 main water bodies and use both with water balances, routing, and regulation models in their forecasting and simulation packages. The former is the Great Lakes Advanced Hydrologic Prediction System (AHPS), used daily to make extended probabilistic forecasts of many hydrological variables, including lake levels, at GLERL and at several US and Canadian agencies concerned with operational decision making. The latter uses AHPS at GLERL in many of their climate change impact assessments and management evaluations.

Seminars Postponed (previously scheduled for Oct 8 at 3:00)

Rabi Gyawali
"Water Distribution System: Kathmandu, Nepal"

Santosh Ghimire
"Saving Energy in Municipal Water Distribution Systems"

2nd CWS News Supplement (Week of Oct. 1)

Friday, October 5, 2007

Dr. Elizabeth C. Minor, University of Minnesota, Duluth
"Photodegradation of Natural Dissolved Organic Matter from a Temperate Estuary"
Chem Sci 101 3:00 p.m.

Saturday & Sunday, October 6 & 7, 2007

Family Outdoor Weekend in the Keweenaw

Coordinated by Western Upper Peninsula Center for Science, Mathematics and Environmental Education

Four nature sanctuaries on display include:

- 1. Michigan Nature Association's Redwyn Dunes in Keweenaw County**
(north of Eagle River)
- 2. Keweenaw Land Trust's Paavola Wetlands** (just north of Hancock)
- 3. Copper Country Audubon Club's Bailey Lake Wildlife Sanctuary**
(four miles north of Eagle Harbor in Keweenaw County near the start of Brockway Mountain Drive)
- 4. Bete Grise Preserve in Keweenaw County** (south of Lac LaBelle)

Monday, October 8, 2007

[Dr Jim Walker](#), professor from Northern Illinois University
"The Hydrothermal system at Santa Maria Volcano, Guatemala"
Room U113 M&M building 4:00 p.m.

Friday, October 5, 2007

Colin Brooks, Research Scientist and Manager of Environmental Science Laboratory
Michigan Tech Research Institute (MTRI)
"Using web-based decision support systems to understand the impacts of contamination on Great Lakes rivers and human health"
M&M (building 12), room U113 2:00 p.m.

Michigan Tech Research Institute (MTRI) poster presentations
Fisher Hall on the first floor near the Aftermath Café 9:00 to 11:30 AM
1:30 to 4:30 PM

MTRI staff will discuss current projects, collaborations with Michigan Tech departments and staff, and areas of research interest. Please stop by to view current activities, and to explore opportunities to develop new working relationships.