Michigan Tech Center for Water and Society Newsletter

Please send water-related items to post in the CWS weekly email to Carol Asiala at mtcws@mtu.edu. We would especially like to include on-campus seminar announcements, off-campus conferences and webinars, and notifications of new funding.

1. On-Campus Seminars
3. Reports and Action Plans
4. Conferences & Webinars
5. Open RFPs of on-going interest to CWS
6. New Funding Opportunities
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8. CWS Student Research and Travel Grants
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11. Job Opportunities
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1. On-Campus Seminars

Monday, February 9, 2015
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Brian Barkdoll, CEE and Casey Huckins, BIO
“The Role of Bridge Scour in Relation to Stream Restoration”
Environmental Engineering Seminar Series
Fisher 132    3:00 pm

Monday, February 9, 2015
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Dr. Stephen Techtmann, Postdoctoral Research Associate
Dept. of Civil & Environmental Engineering
University of Tennessee, Knoxville
“Environmental Controls on Marine Microbial Community Structure, Function, and Evolution”
Biological Sciences faculty candidate seminar for position in Environmental Microbiology
MEEM 402    4:00 pm

Tuesday, February 10, 2015
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Center for Water & Society Colloquium Course – UN5100
Topic: Impediments to Action
Papers: Oreskes 2013; Cash 2003; Daily 2009
Spring 2015 Theme: Science & Policy
Dow 873    3:35-4:24

Friday, February 13, 2015
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Mary Durfee, SS
“Evaluating Conditions for the Development of the Arctic”
Social Sciences Speaker Series
AOB 201                  4:00 pm

Tuesday, February 17, 2015
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Center for Water & Society Colloquium Course – UN5100
Topic: Impediments to Action
Papers: Oreskes 2013; Cash 2003; Daily 2009
Spring 2015 Theme: Science & Policy
Dow 873                  3:35-4:24

Thursday, February 19, 2015
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Green Film Series presents: Forks Over Knives
Two out of every three of us are overweight. Heart disease, cancer and stroke are the country’s three leading causes of death, even though billions are spent each year to “battle” these very conditions. Millions suffer from a host of other degenerative diseases. What can we do? The film will empower us to live healthier lives by changing the way we understand nutrition. (96 min)
Discussion Facilitator: Ray Sharp, Community Planning & Preparedness, Western U. P. Health Department
G002 Hesterberg Hall, Forestry Building     7:00 – 9:00pm
Cosponsored by: Lake Superior Stewardship Initiative, Michigan Tech Center for Water & Society, Keweenaw Unitarian Universalist Fellowship, and Keweenaw Land Trust

Tuesday, February 24, 2015
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Susan Martin, Social Sciences, emerita
Indigenous Cultural Elements of Keweenaw and Isle Royale
Carnegie Museum Seminar Series: Natural History of the Keweenaw
Carnegie Museum Seminar Room, Downtown Houghton     6:30 - 8:00 pm


Thursday, March 19:
Green Film Series: “DamNation”
Explores changes in national attitude from pride in big dams as engineering wonders to growing awareness that our future is bound to the life and health of our rivers. Where obsolete dams come down, rivers bound to life, giving wild fish the right of return to primeval spawning grounds, after decades without access. DamNation’s majestic cinematography and unexpected discoveries move through rivers and landscapes altered by dams, but also through a metamorphosis in values, from conquest of the natural world to knowing ourselves as part of nature. (87 min)
Forestry G002, 7:00 pm

Monday, March 23:
The World Water Day lecture will be an afternoon talk presented by Dr. Peter Goodwin on river restoration. Dr. Goodwin is the Director of the Center for Ecohydraulics Research at the University of Idaho and also served as the science director for the California Delta Program.
GLRC 202, 4:00 pm

The Center for Water & Society student Poster Competition will also be held on Monday, March 23. The poster competition is open to graduate and undergraduate students. Posters are judged by a panel of 3 faculty members, and cash prizes are awarded in 2 categories: “Original Research” and “Coursework/Informational”.

NOTE: In the Coursework/Informational category of posters, points will be awarded based on how the poster incorporates the World Water Day theme of “Water and Sustainable Development”.

GLRC 202, Students available for discussions 2:30 – 4:00 pm,
Posters on display through Tuesday, March 24

An art exhibit in the GLRC is also planned to coincide with World Water Day.

Tuesday, March 24:
Panel discussion on dams is planned for Tuesday morning. More details will be forthcoming.
GLRC 202, 9:00 am

3. Reports and Action Plans

Great Lakes Update, Volume 192: 2014 Annual Summary
US Army Corp of Engineers Detroit District
Includes analyses of Great Lakes water levels and the meteorological and hydrologic conditions that led to another year of substantially higher water levels in 2014.

3. Conferences & Webinars

Tuesday, February 10, 2015
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Dr. Vince Tidwell of Sandia National Laboratories
Columbia Water Center’s State of America’s Water: Present and Future Webinar Series
CUAHSI Cyberseminar series
12:00 pm EST

February 10-11, 2015
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Great Lakes Waterways Conference
Cleveland, OH

Wednesday, February 11, 2015
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Webinar: learn more about funding through the P2 Program. Register
2015 Community Pollution Prevention Grant Program - Enhancing Local or Regional Recycling Programs
MI DEQ Community P2 Grants Program
Deadline: April 1, 2015

Thursday, February 19, 2015
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R. Benjamin Clark, wetland and water quality specialist for DTE Energy
Webinar: “Zebra & Quagga Mussels: A Great Lakes Battle”
Register Link 12:00 pm EST

Wednesday, February 25, 2015
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Stream Channel Repair and Restoration Following Extreme Flooding Damage: Part 1 - Background and Planning
Webinar Presented by the USDA NRCS East National Technology Support Center
2:00 pm EST
(Part 2 – Design & Implementation will be held on March 26)

February 23 – March 31, 2015
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The 4-week MOOC will feature a new season each week through short lectures and activities covering Great Lakes weather, observed changes in the climate, and societal impacts of climate change.

MOOCs are free, non-credit, online learning opportunities, which are available to anyone interested in learning with us. They are one of the many ways UW-Madison extends our lifelong learning and outreach mission to new audiences.

February 24-26, 2015
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Great Lakes Commission Semiannual Meeting and Great Lakes Day
Washington, DC

February 24-26, 2015
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20th Anniversary Wetland Science Conference, Telling Our Stories
Madison, WI

Friday, March 6, 2015
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Michigan Chapter Soil and Water Conservation Society (SWC) Seminar
“A MATTER OF BALANCE: Feeding our Crops and Protecting our Water in a Changing Climate”
Michigan State University, East Lansing, Michigan 8:00 – 5:00

Tuesday, March 10, 2015
2015 The Great Lakes: Advancing Knowledge and Improvement
The Great Lakes Conference
Kellogg Center, MSU, East Lansing, MI

Wednesday, March 11, 2015

2015 Shoreline and Shallows Conference: Challenges and Successes
Michigan Natural Shoreline Partnership
Kellogg Center, MSU, East Lansing, MI

March 11-12, 2015

2015 Areas of Concern Annual meeting
United States Environmental Protection Agency
Toledo, OH

Thursday, March 12, 2015

Webinar: DEQ Revolving Loan Fund Opportunities and Recent Program Changes
Michigan Department of Environmental Quality
10:00 – 11:30 am EST

Wednesday, March 25, 2015

Watershed Summit
Michigan Water Environment Association
East Lansing, MI

Thursday, March 26, 2015

Stream Channel Repair and Restoration Following Extreme Flooding Damage: Part 2 – Design and Implementation
Webinar Presented by the USDA NRCS East National Technology Support Center
2:00 pm EST

Thursday, April 23, 2015

Webinar: DEQ Wastewater Treatment Technology Webinar
Michigan Department of Environmental Quality
10:00 – 11:30 am EST

May 1-2, 2015

Michigan Lake and Stream Associations: Managing Aquatic Invasive Species in Michigan’s Inland Lakes
Michigan Lake & Stream Associations 54th Annual Conference
Boyne Mountain Resort, Boyne Falls, MI
4. Open RFPs of ongoing interest to CWS

**List of Funding Opportunities announced on an annual basis** (CWS web page)

**Volunteer Stream Monitoring Grant Program**
Michigan Clean Water Corps (MiCorps)
Deadline: February 12, 2015

**Desalination and Water Purification Research and Development (DWPR)**
Search Funding Opp#: **R15AS00019**
Department of the Interior, Bureau of Reclamation
Phase I Application deadline: February 16, 2015
Phase II Application deadline: April 27, 2015

**Desalination and Water Purification Research and Development (DWPR) Pilot**
Search Funding Opp#: **R15AS00021**
Department of the Interior, Bureau of Reclamation
Phase I Application deadline: February 16, 2015
Phase II Application deadline: April 27, 2015

**Engineering for Natural Hazards - PD-15-7396**
National Science Foundation
Deadline: February 17, 2015

**Sustain Our Great Lakes**
**Pre-proposal deadline:** February 18, 2015
Grant funding for work in the Great Lakes basin will be awarded in 1) Stream and Riparian Restoration and 2) Coastal Wetland Restoration
[View Webinar about RFP](#)

**Water Resources Research - National Competitive Grants Program**
G15AS00019
USGS and National Institutes for Water Resources (NIWR)
Investigator's Deadline: February 19, 2015
Institute Approval deadline: March 12, 2015

**Conservation Innovation Grants**
USDA-NRCS-CIG-15-01
Department of Agriculture
Natural Resources Conservation Service
Pre-proposal Deadline: February 24, 2015
Webinar: February 4, 2015

**Research Excellence Fund (REF)**
Michigan Tech
Budget Deadline: March 2, 2015
Deadline: March 5, 2015
NOAA Great Lakes Habitat Restoration Project Grants under the U.S. Great Lakes Restoration Initiative in Areas of Concern
NOAA-NMFS-HCPO-2015-2004351
Department of Commerce, NOAA
Deadline: March 3, 2015

Core Facilities Proposals
Michigan Tech
Deadline: March 5, 2015
Current Core Facilities

Michigan Sea Grant 2015 RFP
1) Integrated Assessment (pre-proposal) – Research that uses integrated methods to address important social and ecological issues affecting the Great Lakes ecosystem and communities, up to $75,000 per year.
2) Core Research (pre-proposal) – Focused on issues currently affecting the Great Lakes ecosystem, up to $115,000 per year.
3) Graduate Student Research Fellowships (proposal) – Funding for graduate students for one or two years, up to $80,000 per year.
Pre-proposal Deadlines for 1) and 2): March 6, 2015
Full Proposal Deadlines: May 29, 2015

Coastal and Estuarine Land Conservation Program - FY 2015 Great Lakes Competition
NOAA-NOS-OCM-2015-2004327
Department of Commerce
Deadline: March 20, 2015

2015 Community Pollution Prevention Grant Program - Enhancing Local or Regional Recycling Programs
MI DEQ Community P2 Grants Program
Deadline: April 1, 2015
Webinar: February 11, 2015 10:00 a.m. EST. The webinar will be to learn more about funding through the P2 Program. Register

Management of UNOLS Marine Technician Pool - 15-525
National Science Foundation
Deadline: April 15, 2015

Cooperative Landscape Conservation and Science Support
Search Funding Opp#: F15AS00000
Department of the Interior, Fish and Wildlife Service
Deadline: September 30, 2015

The Coastal Program
F15AS00005
Department of the Interior, Fish and Wildlife Service
Deadline: September 30, 2015
The Partners for Fish and Wildlife Program
Search Funding Opp#: F15AS00004
Department of the Interior
Fish and Wildlife Service
Deadline: September 30, 2015

Fish and Wildlife Management Assistance
Search Funding Opp#: F15AS00013
Department of the Interior
Fish and Wildlife Service
Deadline: September 24, 2015 (This is an open announcement; proposals will be reviewed and evaluated on a rolling basis)

NASA ROSES 2015 is scheduled to be announced on February 13, 2015

APPENDIX | PROGRAM | NOI/Step 1 DUE DATE | PROPOSAL DUE DATE
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A.4 | Terrestrial Ecology | 1/20/2015 | 3/20/2015
A.27 | Rapid Response and Novel Research in Earth Science | N/A | Rolling Submissions through 03/31/2015
E.2 | Topical Workshops, Symposia, and Conferences | N/A | Submissions through 03/31/2015

5. New Funding Opportunities

To submit research proposals through the Center for Water and Society, select ‘CWS’ for the Institute/Center for project drop box on the transmittal sheet. The transmittal sheet must then be signed by the CWS Director, Noel Urban, on page 4.

If Noel Urban is unavailable to sign transmittal sheets, Carol Asiala (GMES) can also sign for CWS.

Integrated Ocean Observing System (IOOS) Federal Funding Opportunity (FFO)
Great Lakes Observing System (GLOS) is issuing a Request for Pre-Proposals to support development of a collaborative proposal to the Integrated Ocean Observing System (IOOS) Federal Funding Opportunity (FFO).
Pre-proposal Deadline: March 31, 2015

FY 2016 Implementation of the U.S. Integrated Ocean Observing System (IOOS®)
Search for Funding Opportunity Nbr: NOAA-NOS-IOOS-2016-2004378
Department of Commerce, NOAA
Deadline: August 31, 2015
Great Lakes Sediment and Nutrient Reduction Program
Great Lakes Commission
Deadline: April 24, 2015

GLRI: Great Lakes Fish Monitoring and Surveillance Program RFA
US Environmental Protection Program
Deadline: April 17, 2015

Environmental Education (EE) Grants
US Environmental Protection Program
EE Local Grants Deadline: March 6, 2015

6. Graduate Certificate in Sustainable Water Resources Systems

Students must fill out an online application to the Grad School in order to work towards a certificate. Students should apply and be accepted into a certificate program before starting the coursework to be used for the certificate. Only 1/3 of previously completed credits can be applied to the certificate degree schedule.

Link to online application: http://www.mtu.edu/gradschool/programs/certificates/

Links to certificate degree schedule:
CWS Web page: http://www.mtcws.mtu.edu/education_gradcert.html
Grad School: http://www.mtu.edu/gradschool/administration/academics/forms-deadlines/pdfs/Certificates-ICSW.pdf

7. CWS Student Research Grants and Travel Grants

Research Awards: Graduate and undergraduate research awards are now due the first Friday in December and March of each year, and the 2nd Friday in August.

December 5, 2014    March 6, 2015    August 7, 2015

Each award can be up to $750. Awards can also be used to support undergraduate research in formal class settings (e.g. Enterprise, Senior Design, Pavlis, senior thesis, capstone classes etc.). The research should support the Center's mission (http://www.mtcws.mtu.edu/about.html#mission).

Travel Awards: Graduate student travel grants ($500) are also available through the Center for Water and Society to present a water related paper at a conference. Applications are reviewed on the last Friday of each month, and must be submitted at least 1 week in advance of planned travel

Applications for Travel and Research grants are online at: http://www.mtcws.mtu.edu/education_studentgrants.html
To maximize funding for new students we will limit awards to one travel and one research award for Master's students and undergrads, and a maximum of two travel and two research awards for Ph.D. students.

Student advisors must be a faculty member of CWS (CWS Faculty) or the students must be supported on a CWS-affiliated research grant.

Students will also be required to indicate how they would like to provide a return on the CWS investment. Options include:
   a. presenting a poster at World Water Day in March;
   b. assisting with preparations for World Water Day;
   c. assisting with CWS-sponsored outreach activities;

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8. CWS Colloquium Course – UN5100 –Spring 2015

Center for Water & Society Colloquium Course  
Spring 2015 Topic: Science & Policy  
Course Number: UN5100, CRN 13480, 1 credit  
Time/Location: Tuesdays 3:35-4:24 in Dow 873  
Course Organizer: Noel Urban  
http://www.mtcws.mtu.edu/education_colloquium.html

Tuesday, February 10: Impediments to Action  
Papers: Oreskes 2013; Cash 2003; Daily 2009  
Location: Dow 873 3:35-4:24

9. CUAHSI (Consortium of Universities for the Advancement of Hydrologic Science, Inc.)

Michigan Technological University is a member university of CUAHSI (http://www.cuahsi.org) through the support of the Center for Water & Society and the CEE and GMES departments. Explore their website for resources available to faculty and research.

CUAHSI Cyberseminar Schedule: https://www.cuahsi.org/Cyberseminars

10. Job Opportunities

Director of the University of Minnesota Sea Grant College Program  
University of Minnesota Duluth, Duluth, MN, USA  
Review begins March 2, 2015

IAGLR Job Board  
Job Opportunities in the Great Lakes

State of Minnesota  
Hydrologist & Natural Resources positions  
https://statejobs.doer.state.mn.us/JobPosting
Search on Job Grouping=Environmental Sciences
Or Department = Pollution Control Agency   (includes summer jobs for students)

**The Ohio Environmental Council – Careers & Internships**

**Positions posted on CUAHSI web site**
(Careers/fellowships/post-docs/research assistantships/faculty positions)

11. Student Opportunities

**Michigan Sea Grant Fellowships**
- [Great Lakes Commission Fellowship](#) (deadline: February 27, 2015)
- [Michigan Sea Grant Graduate Student Research Fellowship](#) (deadline: May 29, 2015)

**University at Buffalo Research Experience for Undergraduates (REU):**
Ecosystem Restoration through Interdisciplinary Exchange (ERIE)-REU
**Program Dates:** May 27 to August 7, 2015 (10 weeks plus a 3-day orientation)
Application Deadline: February 27, 2015

Center for Water and Society Web Site: [http://www.mtcws.mtu.edu](http://www.mtcws.mtu.edu)