Michigan Tech Water Newsletter - October 29, 2018
Please send water-related items to post in the weekly email to Carol Asiala at glrcadmin-l@mtu.edu. We would especially like to include on-campus seminar announcements, off-campus conferences and webinars, and notifications of new funding and other member highlights.

Highlights
On-Campus/Local Seminars
Dr. Chin H. Wu, University of Wisconsin-Madison
New Funding Opportunities
World Water Day 2019: Leaving No One Behind (Human Rights and Refugees)
Request Contribution numbers for GLRC Publications
Reports and Action Plans
Conferences & Webinars
Open RFPs of ongoing interest
Graduate Certificate in Sustainable Water Resources Systems
Student Research Grants (December 7) and Travel Grants (November 30)
Colloquium Course – UN5100 – next offered: Spring 2019
Seminar Speaker Support Program
Job Opportunities
Student Opportunities

1. Highlights

IAGLR Call for Sessions now open
Deadline: November 21, 2018
IAGLR Conference will be June 10-14, 2019 at The College at Brockport, State University of New York.

2. On-Campus/Local Seminars

Monday, October 29, 2018
Dylan Miner, Director of American Indian & Indigenous Studies, Associate Professor
Residential College in the Arts & Humanities, Michigan State University
This Land is Always
Environmental Engineering Graduate Seminar
GLRC 202 3:00 pm
Dr. Miner's visit is part of a joint effort between the Department of Visual and Performing Arts, The Rozsa Center, and Civil and Environmental Engineering. The artist's work is on display in the exhibit, "GAAGO WIIKAA MIZHISOGWASINOO" (Never Empty) in the Rozsa Gallery through November 10. This program is supported in part by the Visiting Professor Lecturer/Scholar Series (VPLSS) which is funded by a grant to the Provost's Office from the State of Michigan's King-Chavez-Parks Initiative.

Monday, October 29, 2018
Dr. Bill Farrand, Space Sciences Institute, Boulder, CO
Orbital and Rover-based Examination of Phyllosilicate and Sulfate Minerals in Ancient Martian Terrains
Tuesday, October 30, 2018
Thomas Weaver had to cancel his participation in this discussion, but the meeting will still take place, and Amy Marcarelli and Chris Adams will fill in. A meeting with Tom Weaver will be rescheduled for another date.

Thomas Weaver, Supervisory Hydrologist and Section Chief
U.S. Geological Survey
Stream Gauges on the Keweenaw Peninsula: Why they are important and how we get them back
GLRC 202 7:00 pm
During the 2018 Father’s Day flood, the stream gauge on the Pilgrim River was swept away. Gauges on Coles Creek and the Montreal River had been discontinued in 2016, and on the Gratiot River in 2018, when funding ended. This presentation will address what we can learn from data collected at these gauges, why stream data is important for infrastructure design and repair as well as fishery and ecology management, and how we can support the USGS in continuing the collection of stream data in our watersheds.
Sponsored by the Copper Country Chapter of Trout Unlimited In collaboration with Michigan Technological University and the Houghton Keweenaw Conservation District

Monday, November 5, 2018
Dr. Chin H. Wu, University of Wisconsin-Madison
Unexpected Rip Currents Induced by A meteotsunami in Lake Michigan
EPSSI seminar
M&M U113 4:00 pm

Wednesday, November 7, 2018
Masters Defense: Parth Parimalbhai Bhatt, Geographic Information Science
Co-advisors: Ann Maclean and Curtis Edson
Forestry G002 2:00 pm to 3:00 pm

Thursday, November 8, 2018
Linda Deegan, Senior Scientist
Woods Hole Research Center
Trouble on the Edge: Coastal ecosystems in changing times
Distinguished Ecologist Lecture Series, SFRES
U. J. Noblet Forestry Building, G002 12:30 pm

Thursday, November 8, 2018
Climate and Energy Negotiation role playing event
This year we will play the World Energy Simulation game.
Each participants will join a team for one of these energy and economic sectors: Energy Supply, Energy Efficiency, Land and Agriculture, Population and Consumption, Carbon Pricing, and Climate Activists.
Can these sectors balance their interests to devise a global energy scenario that will lead to a safe and equitable clean energy future?

Instructors, please let Sarah Green (sgreen@mtu.edu) know if you'd like her to track participation by students in your classes. (She can add your course number to the registration form.)

GLRC 202 5:30 - 8:30 pm

Details about the simulation game at https://www.climateinteractive.org/programs/world-energy/

3. New Funding Opportunities

New proposals can be submitted through the Great Lakes Research Center. Director Guy Meadows’ signature will be needed on the PI signature page of the transmittal sheet.

**NASA ROSES 2018**
The NASA ROSES 2018 announcement has come out. At the end of the [Open RFPs of ongoing interest](#) section of the newsletter, there is a condensed version of Table 3 which lists the NASA ROSES opportunities which GLRC members will have the most interest in and which will be funded this year.

**Research Seed Funding**
Michigan Tech College of Engineering
Stage 2 Proposals due: November 1, 2018

**Undergraduate and Graduate Research Fellowships** (must be US citizen)

**Research Seed Grants**
**Educational Program Support (Pre-college Education, Public Outreach, Teacher Training)**
Michigan Space Grant Consortium
Internal Michigan Tech Deadline: **Noon on Wednesday, November 7, 2018**
Important: review and follow [Michigan Tech Guidelines](#)
16th Annual P3 Awards: A National Student Design Competition Focusing on People, Prosperity and the Planet
EPA-G2019-P3-Q1 – Air Quality
EPA-G2019-P3-Q2 – Safe and Sustainable Water Resources
EPA-G2019-P3-Q3 – Sustainable and Healthy Communities
EPA-G2019-P3-Q4 – Chemical Safety
EPA
Deadline: December 11, 2018

Cooperative Ecosystem Studies Unit, Great Lakes Northern Forests CESU
G19AS00010
Department of the Interior, Geological Survey
Deadline: November 14, 2018

Coastal
F19AS00027
Department of the Interior, Fish and Wildlife Service
Deadline: September 30, 2019

Partners for Fish and Wildlife
F19AS00024
Department of the Interior, Fish and Wildlife Service
Deadline: September 30, 2019

Theme Leaders for the 2019 National Water Center Innovators Program Summer Institute
CUAHSI
Application Deadline: November 18, 2018
Institute dates: June 10-July 25, 2019

Science & Technology Policy Fellow
American Association for the Advancement of Science (AAAS)
Deadline: November 1, 2018

World Water Day, March 22, falls on the Friday after Spring break next year, so we have chosen to hold our Michigan Tech World Water Day events during the week of March 25.

We are looking for Faculty or Research Scientist and grad student volunteers to serve on the committee to plan for World Water Day 2019. Our events will be held during the week of March 25. Please contact Carol Asiala (glreadmin-l@mtu.edu) if you would like to serve on this committee.

Keep in mind that the Poster Competition includes entries from graduate and undergraduate students in 2 categories. The Original Research posters include research and student thesis work.
on any aspect of water. The Coursework/Informational posters include presentation of
coursework or literature based research. Faculty are encouraged assign posters in their Spring
courses, if appropriate for the course.

Faculty may also want to consider assigning attendance at the World Water Day lecture and
panel discussion and green film in their Spring courses if applicable.

5. Request Contribution numbers for GLRC Publications

Please email Carol Asiala (glrcadmin-l@mtu.edu) when you are preparing publications. We are
continuing to follow in the time-honored tradition of many Institutes by recognizing Contribution
Numbers in papers that we publish in the peer-reviewed literature. You are welcome to
participate. All you need to do is -

1. Contact Carol Asiala/Beth Hoy (glrcadmin-l@mtu.edu) to request a Contribution Number.
Please provide as much citation info as possible - author(s), title, journal/book, etc.

2. Add to your acknowledgements section, "This is Contribution No. _ of the Great Lakes
Research Center at Michigan Tech."

3. Get back to Carol when your paper is in print and give her the volume and page numbers.

Your participation is welcomed for this effort to enhance the visibility of the GLRC.

6. Reports and Action Plans

Federal Science Partners Updates

Great Lakes Connections
International Joint Commission newsletter
October 2018

7. Conferences & Webinars

OneNOAA Science Seminars Series
Currently scheduled webinars: September 2018 - December 2018

Friday, November 2, 2018
18th Annual Great Lakes Water Conference
REGIONAL WATER AND MORE
University of Toledo College of Law

Friday, November 2, 2018
A Day in the Life of a Summer Institute Fellow: An Introduction to the CUAHSI National Water Center Summer Institute Experience
CUAHSI
Speakers: Danielle Tijerina, CUAHSI; Lauren Grimley, The Water Institute of the Gulf; Kelly Flint, San Diego State University
Registration is free! You must register for the series in order to attend. To register, click here

Thursday, November 15 - Abstract Deadline
Wetland Science Conference
Wetlands Yesterday, Today, and Tomorrow
Wisconsin Wetlands Association
Conference Dates: February 19-21, 2019, Madison, WI
We offer Student Scholarships! The deadline for the scholarship application is January 11, 2019. We really want to encourage student participation. We offer discounted student registration rates as well as student scholarships. Priority for these scholarships is given to students who are giving oral presentations or posters at the conference. We will also be hosting a student presentation competition with cash prizes for the best presentations.

Friday, November 16, 2018
Introduction to the National Water Center and the National Water Model in collaboration with the CUAHSI Summer Institute
CUAHSI
Speakers: NCAR and National Water Center Staff
Registration is free! You must register for the series in order to attend. To register, click here

Friday, November 30, 2018
The Summer Institute Research Experience: Highlights from Past CUAHSI National Water Center Summer Institute Research and 2019 Summer Institute Themes
CUAHSI
Speakers: Fred Ogden, NWC; Ehab Meselhe, The Water Institute of the Gulf
Registration is free! You must register for the series in order to attend. To register, click here

February 19-21, 2019
Wetland Science Conference
Madison, WI
Call for Abstracts

8. Open RFPs of ongoing interest

Competition for a Cooperative Institute for the North Atlantic Region
NOAA-OAR-CIPO-2019-2005601
Department of Commerce, NOAA
Deadline: November 05, 2028
Michigan Translational Research and Commercialization (MTRAC) Ag BIO Award
Michigan State University MTRAC Innovation Hub for AgBio
Deadline: November 6, 2018
Areas and Scope: Accelerating commercial development, eligible MTRAC AgBio research relate to food, fuel & fiber, either as inputs or outputs. This includes bio-derived/bio-based materials, natural resources and animal health.
Coordinate submissions with Brenda Da Costa (bdacosta@mtu.edu, 487-1094), Michigan Tech MTRAC Commercialization Program Director

Competition for a Cooperative Institute for Research in the Atmosphere
NOAA-OAR-CIPO-2019-2005602
Department of Commerce, NOAA
Deadline: November 14, 2028

IMPLEMENTATION OF THE COMPLIANCE/PREVENTION UNDERGROUND STORAGE TANK PROGRAM AND THE CLEANUP OF LEAKING UNDERGROUND STORAGE TANK PROGRAM
EPA-OLEM-OUST-18-04
Environmental Protection Agency
Deadline: November 15, 2018

Climate Program Office FY 2019
NOAA-OAR-CPO-2019-2005530
Department of Commerce, NOAA
LOI Deadline: September 10, 2018
Proposal Deadline: November 20, 2018

Virtual Consortium for Translational/Transdisciplinary Environmental Research (ViCTER) (R01 Clinical Trial Optional)
RFA-ES-18-007
Department of Health and Human Services, National Institutes of Health
Deadline: December 1, 2018

National Estuarine Research Reserve System (NERRS) Collaborative Science Program 2019
NOAA-NOS-OCM-2019-2005778
Department of Commerce, NOAA
Deadline: December 3, 2018

Desalination and Water Purification Research Program for Fiscal Year 2019
BOR-DO-19-F001
Department of the Interior, Bureau of Reclamation
Deadline: December 13, 2018

NOAA Marine Debris Research Program
NOAA
NOAA-NOS-ORR-2019-2005817
Deadline: December 14, 2018
Coastal Zone Management (CZM) Program 2020
Michigan Department of Natural Resources, Office of the Great Lakes (OGL)
- Habitat
- Hazard Management
- Water Quality
- Public Access
- Community Development
Deadline: December 14, 2018

Collaborative Science, Technology, and Applied Research (CSTAR) Program
NOAA-NWS-NWSPO-2019-2005754
Department of Commerce, NOAA
Deadline: December 14, 2018

FY19 Dr Nancy Foster Scholarship Program
NOAA-NOS-ONMS-2019-2005832
Department of Commerce, NOAA
Deadline: December 17, 2018

CZM Projects of Special Merit Competition - FY2019
NOAA-NOS-OCM-2019-2005819
Department of Commerce, NOAA
Deadline: December 19, 2018
Review Eligibility Requirements

National Oceanographic Partnership Program (N OPP)
N00014-18-S-B007
Department of Defense, Office of Naval Research
Deadline: December 21, 2018

TAT Grant Program
TATFY19
Department of Agriculture, Utilities Programs
Deadline: December 31, 2018

Solid Waste Management Grant Program
SWMFY2019
Department of Agriculture, Utilities Programs
Deadline: December 31, 2018

2019 Ecological Effects of Sea Level Rise Program
NOAA-NOS-NCCOS-2019-2005813
Department of Commerce, NOAA
Deadline: January 16, 2019
2020 Partners for Fisheries Monitoring Program
F19AS00022
Department of the Interior, Fish and Wildlife Service
Deadline: January 31, 2019

National Competitive Harmful Algal Bloom Programs
NOAA-NOS-NCCOS-2019-2005810
Department of Commerce, NOAA
Deadline: February 4, 2019

National Estuarine Research Reserve System (NERRS) Land Acquisition and Construction Program for Fiscal Year 2019
NOAA-NOS-OCM-2019-2005800
Department of Commerce, NOAA
Deadline: February 8, 2019
Review Eligibility Requirements

Commercial Fishing Occupational Safety Training Project Grants
RFA-OH-19-005
Department of Health and Human Services
Centers for Disease Control and Prevention - ERA
Deadline: February 15, 2019

FY2019 Office of Weather and Air Quality Research Programs
NOAA-OAR-OWAQ-2019-2005820
Department of Commerce, NOAA
Deadline: March 20, 2019

Interpreting the Conditions of the Nation's Freshwater, Wetland and Coastal Resources
US EPA
Research Associateship Programs, Fellowship Office, Policy and Global Affairs
Deadlines: February 1; May 1; August 1; November 1

MI DEQ Nonpoint Source Implementation RFP (FY2018, shown here for FY2019 planning)

2018 Draft Schedule for Implementation Grants
2/17/17: Watershed Plans must be submitted for Approval
6/12/17: Draft RFP information Released
7/19/17: RFP Released
7/19/17: Watershed Plans must be 319 Approved
7/25/17: Webinar – RFPs, Eligibility, Priorities, and NOI form
8/16/17: Notice of Intent Letters due
8/30/17: Invitations for Full Proposals sent via e-mail
9/12/17: Webinar – Priorities, Project and application tips
10/13/17: Proposals due
Proposal Review
Projects Awarded Early Summer 2018
**MI DEQ Nonpoint Source RFP schedule (FY2018)** shown here for FY2019 planning

**2018 Draft Schedule for Planning Grants**
6/12/17: Draft RFP information Released  
7/19/17: RFP Released  
7/25/17: NPS Webinar  
9/11/17: Proposals due  
Proposal Review  
Projects Awarded Mid-January 2018 -OR- after Federal FY18 Budget Approval

**2018 ERDC Broad Agency Announcement**
US Army  
Deadline: January 31, 2019

**FY18 Long Range Broad Agency Announcement (BAA) for Navy and Marine Corps**
Science and Technology
N00014-18-S-B001  
Department of Defense, Office of Naval Research  
Deadline: September 28, 2018

**FY 2018 – 2020 - Broad Agency Announcement (BAA) Announcement Type: Initial**
NOAA-NFA-NFAP0-2018-2005418  
Department of Commerce, NOAA  
Deadline: September 30, 2020

**Army Research Office BAA for Basic and Applied Scientific Research**
US Army  
Deadline: March 31, 2022

**NSF Announcements:**

<table>
<thead>
<tr>
<th>Program Nbr</th>
<th>Title</th>
<th>Proposal Deadline</th>
</tr>
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</table>
| 16-503      | Limited Submission –Internal Deadline: National Science Foundation Research Traineeship Program (NRT) | October 15, 2018  
LOI: December 6, 2018  
Proposal: February 6, 2019 |
| 17-573      | Advancing Informal STEM Learning (AISL)                              | November 7, 2018                               |
| 17-584      | Discovery Research PreK-12 (DRK-12)                                 | November 14, 2018                              |
| 17-590      | Improving Undergraduate Science Education: Education and Human Resources (IUSE:EHR) | December 11, 2018  
(Development and Implementation)  
Oct 1, 2018 - Sept 30, 2019  
(Explosion and Design ) |
| 17-512      | Division of Environmental Biology (core programs) (DEB)             | Pre-Proposal: Jan. 23, 2018  
Full Proposal: Aug 2, 2018        |
<p>| 17-513      | Long Term Research in Environmental Biology (LTREB)                 | Accepted Anytime                               |
| 18-510      | Research Coordination Networks in Undergraduate Biology Education (RCN-UBE) | January 22, 2019                                |
| 17-537      | Faculty Early Career Development Program (CAREER)                  | July 18, 2018: BIO, CISE, EHR                 |</p>
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Deadline</th>
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<tbody>
<tr>
<td>14-559</td>
<td><strong>Opportunities for Promoting Understanding through Synthesis (OPUS)</strong></td>
<td>August 1, 2018</td>
</tr>
<tr>
<td>15-506</td>
<td><strong>Science, Technology, and Society (STS)</strong></td>
<td>February 2, 2018, August 3, 2018</td>
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<tr>
<td>15-577</td>
<td><strong>Collections in Support of Biological Research (CSBR)</strong></td>
<td>August 13, 2018</td>
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<tr>
<td>PD 98-1650</td>
<td><strong>Biological Oceanography</strong></td>
<td>February 15, 2018, August 15, 2018</td>
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<tr>
<td>PD 98-1610</td>
<td><strong>Physical Oceanography</strong></td>
<td>February 15, 2019, August 15, 2019</td>
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<tr>
<td>PD 98-1670</td>
<td><strong>Chemical Oceanography</strong></td>
<td>February 15, 2019, August 15, 2019</td>
</tr>
<tr>
<td>17-566</td>
<td><strong>Geography and Spatial Sciences Program</strong></td>
<td>September 5, 2019</td>
</tr>
<tr>
<td>PD 17-7643</td>
<td><strong>Environmental Sustainability</strong></td>
<td>October 22, 2018</td>
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<tr>
<td>PD 17-1417</td>
<td><strong>Chemical and Biological Separations</strong></td>
<td>Archived</td>
</tr>
<tr>
<td>PD-17-1440</td>
<td><strong>Environmental Engineering</strong></td>
<td>October 22, 2018</td>
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<tr>
<td>PD 09-6882</td>
<td><strong>Environmental Chemical Sciences (ECS)</strong></td>
<td>October 31, 2018</td>
</tr>
<tr>
<td>15-536</td>
<td><strong>Limited Submission – Internal Deadline: Research Experiences for Teachers (RET) in Engineering and Computer Science</strong></td>
<td>August 8, 2018, September 19, 2018</td>
</tr>
<tr>
<td>15-600</td>
<td><strong>Integrated Earth Systems (IES)</strong></td>
<td>November 14, 2018</td>
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<tr>
<td>18-503</td>
<td><strong>Dynamics of Coupled Natural and Human Systems (CNH)</strong></td>
<td>next deadline not set</td>
</tr>
<tr>
<td>16-506</td>
<td><strong>Improvements in Facilities, Communications, and Equipment at Biological Field Stations and Marine Laboratories (FSML)</strong></td>
<td>December 14, 2018</td>
</tr>
<tr>
<td>15-568</td>
<td><strong>Earth Sciences Postdoctoral Fellowships (EAR-PF)</strong></td>
<td>October 24, 2018</td>
</tr>
<tr>
<td>15-504</td>
<td><strong>Major Research Instrumentation Program (MRI)</strong></td>
<td>January 22, 2019, October 24, 2018</td>
</tr>
<tr>
<td>18-583</td>
<td><strong>Improving Undergraduate STEM Education: Pathways into Geoscience (IUSE; GEOPATHS)</strong></td>
<td>LOI: September 21, 2018 Proposal: Nov 19, 2018</td>
</tr>
<tr>
<td>16-517</td>
<td><strong>National Robotics Initiative (NRI)</strong></td>
<td>February 5, 2019</td>
</tr>
<tr>
<td>PD 98-1680</td>
<td><strong>Ocean Technology and Interdisciplinary Coordination</strong></td>
<td>February 15, 2019</td>
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<tr>
<td>17-593</td>
<td><strong>Long-Term Ecological Research (LTER) -renewal proposals only</strong></td>
<td>March 2, 2018</td>
</tr>
<tr>
<td>17-527</td>
<td><strong>NSF Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM)</strong></td>
<td>March 28, 2018</td>
</tr>
<tr>
<td>18-545</td>
<td><strong>Innovations at the Nexus of Food, Energy and Water Systems</strong></td>
<td>September 26, 2018</td>
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<tr>
<td>15-558</td>
<td><strong>Hydrologic Sciences (HS)</strong></td>
<td>Accepted Anytime</td>
</tr>
<tr>
<td>PD-06-5740</td>
<td><strong>Climate and Large-Scale Dynamics</strong></td>
<td>Accepted Anytime</td>
</tr>
<tr>
<td>15-560</td>
<td><strong>Geomorphology and Land-use Dynamics (GLD)</strong></td>
<td>Accepted Anytime</td>
</tr>
<tr>
<td>15-516</td>
<td><strong>Earth Sciences: Instrumentation and Facilities (EAR/IF)</strong></td>
<td>Accepted Anytime</td>
</tr>
<tr>
<td>16-595</td>
<td><strong>Arctic Research Opportunities</strong></td>
<td>Accepted Anytime</td>
</tr>
<tr>
<td>18-530</td>
<td><strong>Antarctic Research</strong></td>
<td>Accepted Anytime</td>
</tr>
<tr>
<td>PD 98-1620</td>
<td><strong>Marine Geology &amp; Geophysics</strong></td>
<td>Accepted Anytime</td>
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**NASA ROSES 2018**

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<tr>
<th>APPENDIX</th>
<th>PROGRAM</th>
<th>NOI/Step 1 DUE DATE [2]</th>
<th>PROPOSAL DUE DATE</th>
</tr>
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<tbody>
<tr>
<td>A.1</td>
<td>Earth Science Research Overview</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>A.2</td>
<td>Land Cover Land Use Change</td>
<td>08/01/2018 (Step-1)</td>
<td>03/01/2019 (Step-2)</td>
</tr>
<tr>
<td>A.7</td>
<td>ECOSTRESS Science Team</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>A.25</td>
<td>Rapid Response and Novel Research in Earth Science</td>
<td>N/A</td>
<td>Rolling submissions through 03/29/2019</td>
</tr>
<tr>
<td>A.35</td>
<td>SERVIR Applied Sciences Team</td>
<td>10/25/2018 (Step-1)</td>
<td>04/25/2019 (Step-2)</td>
</tr>
<tr>
<td>A.41</td>
<td>Advanced Information Systems Technology</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>E.2</td>
<td>Topical Workshops, Symposia, and Conferences</td>
<td>N/A</td>
<td>Rolling submissions through 03/29/2019</td>
</tr>
</tbody>
</table>

9. **Graduate Certificate in Sustainable Water Resources Systems**

Currently enrolled students can download the [Certificate Degree Schedule](http://www.mtu.edu/gradschool/documents/policies-procedures/forms/certificates-icsw.pdf) to plan their coursework. When they have completed the required courses, or are enrolled in the last ones, the certificate degree schedule should be submitted to Nancy Byers Sprague (nspr@mtu.edu) in the Graduate School.

**Request from GLRC:**
If you plan to complete the certificate, please email Carol Asiala (glrcadmin-l@mtu.edu)
- If you are not already on the glrc-student-community-l email list, you will be added and will receive announcements of water-related activities and the opportunity to apply for travel and research grants.
- We would like to keep a list of students working towards the certificate, and then we also have an idea of which students need to enroll in the UN5100, the Water and Society colloquium course.
- For questions about the certificate, please contact Cory McDonald or Carol Asiala (glrcadmin-l@mtu.edu)

**Links to certificate degree schedule:**
Grad School:
10. Student Research Grants (December 7) and Travel Grants (November 30)

**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.

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<tr>
<td>December 7, 2018</td>
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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.).

Applications and Requirements for Research Grants are online at: [http://www.mtu.edu/greatlakes/about/documents/glrc-studentresearchgrant.pdf](http://www.mtu.edu/greatlakes/about/documents/glrc-studentresearchgrant.pdf)

The research should support the Center's mission ([http://www.mtu.edu/greatlakes/about/documents/strategic-plan.pdf](http://www.mtu.edu/greatlakes/about/documents/strategic-plan.pdf)).

**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 2 weeks in advance of planned travel.

Applications for Travel grants are online at: [http://www.mtu.edu/greatlakes/about/documents/glrc-travel-grant-app.pdf](http://www.mtu.edu/greatlakes/about/documents/glrc-travel-grant-app.pdf)

Student advisors must be a faculty member of the GLRC or the students must be supported on a GLRC-affiliated research grant.

Students will also be required to indicate how they would like to provide a return on the GLRC investment. Options include:

a. presenting a poster at World Water Day in March;
b. assisting with preparations for World Water Day;
c. assisting with GLRC-sponsored outreach activities;

11. Colloquium Course – UN5100 – next offered: Spring 2019

**Water & Society Colloquium Course**

**Course Number:** UN5100, CRN 13023, 1 credit  
**Time/Location:** Tuesdays 3:35-4:25 in Dow 875  
**Course Organizer:** Noel Urban ([nurban@mtu.edu](mailto:nurban@mtu.edu))

Each week, participants will read a journal paper or scientific report in preparation of discussion sessions on Tuesdays. Select films from the Green Film series (held Thursday evenings) will be used in lieu of the paper/Tuesday discussions. Students not registered for the course and faculty are encouraged to participate.
Discussion sessions will be led by a group of students and faculty. This group will prepare a few questions or comments the week preceding the discussion and send these to the class as a way to begin focusing the discussion. The group will begin the discussion session with a 10-minute summary of the major issues covered by the preceding week’s reading and repeat the discussion questions.

This course (or SS 5325) is required for the CWS Graduate Certificate in Sustainable Water Resources Systems.

12. Seminar Speaker Support Program
Great Lakes Research Center members can apply for $500 in assistance in bringing seminar speakers to Michigan Tech. Lecture topics should be of interest to the GLRC, and the visit should correspond with GLRC goals. The Seminar Speaker Request form should be emailed to Carol Asiala at glrcadmin@mtu.edu.

13. Job Opportunities

Post-doctoral Research Associate - Aquatic Ecology and Conservation
Department of Fisheries and Wildlife, Michigan State University
Posted: October 29, 2018

Climate Change Job Vacancies
International Institute for Sustainable Development (IISD) Community

IAGLR Job Board
Job Opportunities in the Great Lakes

The Stewardship Network – Job Postings

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)

14. Student Opportunities
16th Annual P3 Awards: A National Student Design Competition Focusing on People, Prosperity and the Planet
EPA
Deadline: December 11, 2018

FY19 Dr Nancy Foster Scholarship Program
NOAA-NOS-ONMS-2019-2005832
Department of Commerce, NOAA
Deadline: December 17, 2018

Undergraduate and Graduate Research Fellowships (must be a US citizen)
Michigan Space Grant Consortium
Internal Michigan Tech Deadline: Noon on Wednesday, November 7, 2018
Important: review and follow Michigan Tech Guidelines

IAGLR Scholarships
International Association for Great Lakes Research
- David M. Dolan Scholarship ($3,000)
- Norman S. Baldwin Fishery Science Scholarship ($3,000)
- IAGLR Scholarship ($2,000)
Deadline: December 1, 2018

Graduate Research & Training Scholarship Program (GRTSP)
NOAA
Applications accepted twice per year

Research Associateship Programs
The National Academies
4 application deadlines throughout the year
Participating agencies include: NOAA and EPA
Energy Accounting System Modeling of Urban Water Systems
Deadline: November 1, 2018