

## Michigan Tech Water Newsletter

Please send water-related items to post in the weekly email to Carol Asiala at [glrcadmin-l@mtu.edu](mailto: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.

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### 1. EPA BOSC Nominations Open

The U.S. Environmental Protection Agency is seeking nominations for technical experts to serve on its Board of Scientific Counselors (BOSC), a federal advisory committee to the Office of Research and Development (ORD). The BOSC provides independent scientific and technical peer review, consultation, advice, and recommendations for each of its research programs.

- Information on the BOSC can be found at <https://www.epa.gov/bosc>
- Information on ORD's research can be found at:  
<https://www.epa.gov/aboutepa/about-office-research-and-development-ord>

Individuals and organizations can nominate themselves or others by using the [nomination form](#) on the BOSC website. The nomination period is open until June 30, 2017.

Please contact the BOSC Designated Federal Officer, Tom Tracy ([tracy.tom@epa.gov](mailto:tracy.tom@epa.gov)), for assistance.

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### 2. Highlights

**Gordon Paterson (Bio Sci)** is the principal investigator on a project that has received a \$97,104 research and development grant from the Michigan Department of Natural Resources. The



**Friday, June 23, 2017**

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**PhD Defense: John Baeten, Indust Heritage & Archaeology**

Advisor: Nancy Langston

*“A Landscape of Waste and Water: Heritage Legacies and Environmental Change in the Mesabi Iron Range”*

Academic Offices 201                      1:00 pm

**July 22-27, 2017**

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**Summer Keweenaw Geotours by Land and Boat**

**Bill Rose (GMES) and Erika Vye (GLRC)**

Five different one-day geotours are offered, focusing on Keweenaw Geoheritage, and using the RV Agassiz:

July 22: Glacial Geology

July 24: Lavas and the great rift

July 25: The Keweenaw Fault

July 26: Redbed sediments filling the Rift

July 27: Mining wastes and Lake Dynamics

For registration and more information, see this [link](#).

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#### **4. Outreach**

**[Investigations Aboard the Agassiz for Students in Grades 4-12](#)**

- **Aquatic Food Web & Lab Investigation**
- **Mine Waste Remediation & Torch Lake Restoration**
- **Navigation Exploration**
- **Lake Superior’s Ring of Fire**

Register [online](#) or at [wupcenter.mtu.edu](http://wupcenter.mtu.edu).

The Ride the Waves Program is made possible with a generous grant from General Motors (GM) and Michigan Tech's Great Lakes Research Center. More than 3,000 youth have benefited from GM’s support, now in its fifth year.

For more Information, contact Joan Chadde or Lloyd Wescoat or call 7-3341.

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#### **5. 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 2017](#)** has been announced. The table of program elements with updated due dates will be kept current in the **“Open RFPs of ongoing interest”** section of this newsletter.

### **2017 SOUTH FL INITIATIVE**

EPA-R4-SFL-2017-01

Environmental Protection Agency

Deadline: July 25, 2017

### **Harmful Algal Bloom Research Initiative**

Ohio Department of Higher Education, Ohio Sea Grant College Program, the Ohio State University, and the University of Toledo

Pre-proposal Deadline: July 27, 2017

Proposal Deadline: October 12, 2017

### **Request for Information (RFI): Clean Water Technologies**

DE-FOA-0001676

Department of Energy, Golden Field Office

Deadline: July 28, 2017

### **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

### **2017 Chi-Cal Rivers Fund**

National Fish and Wildlife Foundation

Grant funding for work in the Chicago and Calumet region will be awarded in three categories:

- Green Stormwater Infrastructure
- Habitat Enhancement
- Public-Use Improvement

Deadline: July 10, 2017

### **Gulf of Mexico Program Cooperative Agreements 2017**

EPA-GM-COOPERATIVE-AGREEMENTS-2017-1

Environmental Protection Agency

Deadline: August 4, 2017

### **MI DEQ Nonpoint Source Implementation RFP (FY2018)**

#### **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 \(FY2018\)](#)

#### **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

### [Climate Program Office 2018](#)

NOAA-OAR-CPO-2018-2005133

Department of Commerce, NOAA

Deadline: September 11, 2017

### **ORAU Membership Benefits Highlight – ORAU Travel Grants**

The ORAU Travel Grants Program provides up to \$800 to fund faculty or staff members of ORAU member institutions to travel to meet with researchers at ORNL, Y-12, ORAU work sites or another ORAU member institution. The purpose of the program is to support new collaborations (proposed partners have no strong current ties) with well-defined outcomes (joint white paper/proposal to an identified opportunity or publication as a result of data collected during the proposed visit).

To learn more about eligibility, selection criteria, restrictions and application process, please visit the ORAU University Partnerships Member Only web page at:

<http://www.ornl.gov/university-partnerships/members-only/travel-grants/default.aspx>.

**APPLY NOW!** The application cycle for all travel to be completed by September 30, 2017 is still open, and limited funds are available.

For additional information, please contact the University Partnerships Office at [University.Partnerships@ornl.gov](mailto:University.Partnerships@ornl.gov).

### **ORAU**

University Partnerships Office

[University.partnerships@ornl.gov](mailto:University.partnerships@ornl.gov)

[www.ornl.gov](http://www.ornl.gov)

ORAU provides innovative scientific and technical solutions to advance research and education, protect public health and the environment, and strengthen national security. Through specialized teams of experts, unique laboratory capabilities and access to a consortium of more than 100 major Ph.D.-granting institutions, ORAU works with federal, state, local and commercial customers to advance national priorities and serve the public interest. A 501(c)(3) nonprofit corporation and federal contractor, ORAU manages the Oak Ridge Institute for Science and Education (ORISE) for the U.S. Department of Energy (DOE).

### **BLM NV Groundwater Modeling in Nevada**

L17AS00066

Department of the Interior, Bureau of Land Management

Deadline: June 20, 2017

### **Fox River Natural Resource Damage Assessment**

F17AS00186

Department of the Interior, Fish and Wildlife Service

Deadline: December 31, 2017

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From: **middleeastnorthafrica** <middleeastnorthafrica@jie.org>

Date: Wed, Apr 19, 2017 at 4:20 PM

Subject: Please share: Fulbright Postdoctoral Fellowships in 2018-19

To: "drshonna@mtu.edu" <drshonna@mtu.edu>

Dear Dr. Shonnard,

We are writing share information about postdoctoral fellowship opportunities with the Fulbright US Scholar Program. We hope that you will share this message with eligible colleagues and graduate students, or recommend someone via our [online referral system](#). We will follow up with all referred individuals, providing tailored guidance on the application process and directing them to the most appropriate awards. Highlights for the 2018-19 competition include:

#### **Postdoctoral Fellowship to Israel**

These unique and prestigious grants are open to researchers in all academic disciplines and support programs of work for up to 20 months (two academic years). Applicants may be hosted by any accredited institution of higher education or research center in Israel. To be eligible for a Fulbright fellowship beginning in 2018, candidates must have received their Ph.D. degrees no earlier than April 2015. Holders of tenure track positions are not eligible to apply. Individuals who have already begun postdoctoral research activities in Israel prior to the application date are also not eligible.

#### **Fulbright-EHESS Post-Doctoral Award (Junior Research) to France**

The Ecole des Hautes Etudes en Sciences Sociales (EHESS) is an esteemed university located in Paris, France. The first mission of the EHESS is to help young researchers acquire an international scientific background through the quality of its training, the international profiles of its professors and the quality and scope of its research. In addition to pursuing his or her own research, the grantee will participate in a seminar series conducted by the associated research center. French language proficiency sufficient to complete the research project is required, and applicants must obtain their Ph.D. by June 2018 to be eligible.

Applicants are welcome to join us on May 10 at 2PM EST for our annual [Fulbright Grants for Postdoctoral and Early Career Applicants](#) webinar. You can also explore hundreds of other grant opportunities in our [Catalog of Awards](#). Applications are due August 1, 2017.

For additional information, please contact [middleeastnorthafrica@iie.org](mailto:middleeastnorthafrica@iie.org) or [EuropeEurasia@iie.org](mailto:EuropeEurasia@iie.org).

Best regards,

**Fulbright U.S. Scholar Program**

Institute of International Education

1400 K Street NW, Suite 700 • Washington, DC 20005

[MiddleEastNorthAfrica@iie.org](mailto:MiddleEastNorthAfrica@iie.org) • [EuropeEurasia@iie.org](mailto:EuropeEurasia@iie.org)

**IIE** • *The Power of International Education*

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## 6. Request Contribution numbers for GLRC Publications

Please email Carol Asiala ([glrcadmin-1@mtu.edu](mailto:glrcadmin-1@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-1@mtu.edu](mailto:glrcadmin-1@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.

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## 7. Reports and Action Plans

### [Federal Science Partners Periodic Update](#)

June 16, 2017

### [Great Lakes Connections](#)

International Joint Commission newsletter

June 2017

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## 8. Conferences & Webinars

### **June 20-22, 2017**

[Great Lakes Panel on Aquatic Nuisance Species](#)

Erie, Pennsylvania

### **June 21, 2017**

[Great Lakes-St. Lawrence River Water Resources Regional Body](#)

9:00 am EDT

Niagara-on-the-Lake, Ontario

### **June 22, - August 3, 2017**

#### **Ohio Sea Grant Stone Lab Guest Lectures**

Thursdays, 6:00 - 9:00 pm EDT

#### [June 22:](#)

Research Brief: Victor Serveiss, Environmental Advisor, International Joint Commission

Guest Lecture: James White, Director of Sustainable Infrastructure, Port of Cleveland

#### [June 29:](#)

Research Brief

Stephen Jacquemin, Department of Biological Sciences, Wright State University – Lake Campus

Guest Lecture

Yvonne Vadeboncoeur, Department of Biological Sciences, Wright State University

#### [July 6:](#)

Research Brief: Jeanine Refsnider, Department of Environmental Sciences, University of Toledo

Guest Lecture: Matthew Child, Physical Scientist, International Joint Commission

#### [July 13:](#)

Speakers: Harmful algal bloom (HAB) experts from NOAA's 2017 Harmful Algal Bloom

Forecast will share some of the forecast information and background on algal blooms.

#### [July 20:](#) REU Student Presentations

#### [July 27:](#)

Research Brief: Jiyong Lee, College of Public Health, The Ohio State University

Guest Lecture: Craig Butler, Director, Ohio Environmental Protection Agency (OEPA)

#### [August 3:](#)

Research Brief: Elizabeth Marschall, Department of Evolution, Ecology and Organismal Biology, The Ohio State University

Guest Lecture: Janice Kerns, Fairport Harbor Fisheries Research Unit, Ohio Department of Natural Resources (ODNR)

### **June 30, 2017 - Early Bird Workshop Deadline**

[Training Workshop: Using In-Situ Water Quality Sensors - Lagrangian and Eulerian Applications](#)

CUAHSI and the University of Florida

Workshop Dates: November 7 – 9, 2017

Gainesville, FL

**July 20-21, 2017**

**[2017 Naval Future Force Science and Technology \(S&T\) EXPO](#)**

Walter E. Washington Convention Center in Washington, D.C.

**July 25-27, 2017**

**[CUAHSI's 2017 Conference on Hydroinformatics](#)**

***Swimming in Data without Drowning in the Deluge***

University of Alabama in Tuscaloosa, AL

Registration Deadline: July 10

**October 25-27, 2017**

**[Michigan Aquatic Restoration Conference](#)**

Boyne Falls, MI

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**9. Open RFPs of ongoing interest**

**[2017 National Fish Habitat Action Plan](#)**

F17AS00016

Department of the Interior, Fish and Wildlife Service

Deadline: Applications are accepted on a rolling basis

**Fulbright U.S. Scholar Program**

**[Postdoctoral Fellowship to Israel](#)**

These unique and prestigious grants are open to researchers in all academic disciplines and support programs of work for up to 20 months (two academic years). Applicants may be hosted by any accredited institution of higher education or research center in Israel. To be eligible for a Fulbright fellowship beginning in 2018, candidates must have received their Ph.D. degrees no earlier than April 2015. Holders of tenure track positions are not eligible to apply. Individuals who have already begun postdoctoral research activities in Israel prior to the application date are also not eligible.

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### **National Fish Passage Program**

F17AS00030

Department of the Interior, Fish and Wildlife Service

Deadline: September 30, 2017

### **Coastal Program F17AS00014**

Department of the Interior, Fish and Wildlife Service

Deadline: September 30, 2017

### **FY2016 to FY2017 NOAA Broad Agency Announcement (BAA)**

**NOAA-NFA-NFAPO-2016-2004791**

Department of Commerce, NOAA

Deadline: September 30, 2017

### **Partners for Fish and Wildlife**

F17AS00015

Department of the Interior, Fish and Wildlife Service

Deadline: September 30, 2017

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## NSF Announcements:

Program Nbr	Title	Proposal Deadline
16-509	<a href="#">Long-Term Ecological Research (LTER) New Site Competition</a>	No date set for next year yet Pre-Proposal: Feb. 1, 2016 Full Proposal: Aug. 2, 2016
16-503	<a href="#">National Science Foundation Research Traineeship Program (NRT)</a>	No date set for next year yet LOI: December 9, 2016 Prop: February 7, 2017
15-609	<a href="#">Division of Environmental Biology (core programs) (DEB)</a>	Pre-Proposal: Jan. 23, 2017 Full Proposal: Aug 2, 2017
16-500	<a href="#">Long Term Research in Environmental Biology (LTREB)</a>	Pre-Proposal: Jan. 23, 2017 Full Proposal: Aug 2, 2017
17-543	<a href="#">Antarctic Research</a>	May 23, 2017
16-571	<a href="#">Partnerships for International Research and Education (PIRE)</a>  Limited Submission –Internal Deadline:	Pre-Proposal: Sept 14, 2016 Full Proposal: Apr 24, 2017 August 3, 2016
15-555	<a href="#">Faculty Early Career Development Program (CAREER)</a>	July 19, 2017: BIO, CISE, EHR July 20, 2017: ENG July 21, 2017: GEO, MPS, SBE
14-559	<a href="#">Opportunities for Promoting Understanding through Synthesis (OPUS)</a>	August 1, 2017
15-506	<a href="#">Science, Technology, and Society (STS)</a>	August 3, 2017
15-577	<a href="#">Collections in Support of Biological Research (CSBR)</a>	August 14, 2017
PD 98-1650	<a href="#">Biological Oceanography</a>	August 15, 2017
PD 98-1610	<a href="#">Physical Oceanography</a>	August 15, 2017
PD 98-1670	<a href="#">Chemical Oceanography</a>	August 15, 2017
PD 98-1620	<a href="#">Marine Geology &amp; Geophysics</a>	August 15, 2017
17-566	<a href="#">Geography and Spatial Sciences Program</a>	September 7, 2017
PD 17-7643	<a href="#">Environmental Sustainability</a>	October 20, 2017
PD 17-1417	<a href="#">Chemical and Biological Separations</a>	October 20, 2017
PD-17-1440	<a href="#">Environmental Engineering</a>	October 20, 2017
PD 09-6882	<a href="#">Environmental Chemical Sciences (ECS)</a>	October 31, 2017
13-589	<a href="#">Oceanographic Facilities and Equipment Support</a> Ship Operations Oceanographic Technical Services Oceanographic Instrumentation Shipboard Scientific Support Equipment Ship Acquisition and Upgrade & Other Facility Activities	November 15, 2017 November 15, 2017 December 15, 2017 December 15, 2017 Accepted Anytime
15-536	<a href="#">Research Experiences for Teachers (RET) in Engineering and Computer Science</a> Limited Submission – Internal Deadline:	November 1, 2017 ? not posted yet for 2017
15-600	<a href="#">Integrated Earth Systems (IES)</a>	November 14, 2017
14-601	<a href="#">Dynamics of Coupled Natural and Human Systems (CNH)</a>	November 21, 2017
16-506	<a href="#">Improvements in Facilities, Communications, and Equipment at Biological Field Stations and Marine Laboratories (FSML)</a>	December 8, 2017
15-568	<a href="#">Earth Sciences Postdoctoral Fellowships (EAR-PF)</a>	January 9, 2018
15-504	<a href="#">Major Research Instrumentation Program (MRI)</a> Limited Submission –Internal Deadline:	January 10, 2018 October 25, 2017
16-517	<a href="#">National Robotics Initiative (NRI)</a>	January 11, 2018
PD 98-1680	<a href="#">Ocean Technology and Interdisciplinary Coordination</a>	February 15, 2018

17-527	<a href="#">NSF Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM)</a>	March 28, 2018
15-558	<a href="#">Hydrologic Sciences (HS)</a>	Accepted Anytime
PD-06-5740	<a href="#">Climate and Large-Scale Dynamics</a>	Accepted Anytime
15-560	<a href="#">Geomorphology and Land-use Dynamics (GLD)</a>	Accepted Anytime
<a href="#">15-516</a>	<a href="#">Earth Sciences: Instrumentation and Facilities (EAR/IF)</a>	Accepted Anytime
16-595	<a href="#">Arctic Research Opportunities</a>	Accepted Anytime

## [NASA ROSES 2017](#)

APPENDIX	PROGRAM	NOI/Step 1 DUE DATE [2]	PROPOSAL DUE DATE
A.1	<a href="#">Earth Science Research Program Overview</a>	N/A	N/A
A.2	<a href="#">Land-Cover/Land-Use Change</a>	4/3/2017 (NOI)	6/8/2017
A.8	<a href="#">Supporting UN Sustainable Development Goals 14 and 15 in the Context of Climate Variability and Change</a>	TBD	TBD
A.9	<a href="#">ECOSTRESS Science Team</a>	TBD	TBD
A.10	<a href="#">Physical Oceanography</a>	5/30/2017	6/30/2017
A.11	<a href="#">Ocean Salinity Science Team</a>	7/31/2017	8/31/2017
A.14	<a href="#">Ocean Vector Winds Science Team</a>	9/29/2017	10/30/2017
A.16	<a href="#">Cryospheric Science</a>	5/16/2017	6/16/2017
A.17	<a href="#">IceBridge Research</a>	10/3/2017	11/3/2017
A.19	<a href="#">Solar Irradiance Science Team</a>	8/4/2017	10/6/2017
A.20	<a href="#">Atmospheric Composition: Laboratory Research</a>	N/A	5/26/2017
A.23	<a href="#">Fire Impacts on Regional to Global Scales: Emissions, Chemistry, Transport, and Models</a>	N/A	6/16/2017
A.24	<a href="#">DSCOVR Science Team</a>	TBD	TBD
A.25	<a href="#">Terrestrial Hydrology</a>	<b>06/28/2017</b>	<b>8/03/2017</b>
A.29	<a href="#">Rapid Response and Novel Research in Earth Science</a>	N/A	Rolling submissions through 3/29/2018
A.33	<a href="#">Science Team for the OCO Missions</a>	N/A	9/14/2017
A.34	<a href="#">Earth System Science Pathfinder (ESSP) Venture-class Science Investigations: Earth Venture Suborbital-3</a>	TBD	TBD
A.36	<a href="#">New (Early Career) Investigator Program in Earth Science</a>	7/31/2017	8/31/2017
A.37	<a href="#">The Science of Terra, Aqua, Suomi NPP, and JPSS</a>	<b>6/19/2017</b>	<b>8/17/2017</b>
A.39	<a href="#">Earth Science Applications: Health and Air Quality</a>	TBD	TBD
A.40	<a href="#">Earth Science Applications: Disaster Risk Reduction and Resilience</a>	TBD	TBD
A.42	<a href="#">Advancing Collaborative Connections for Earth System Science</a>	TBD	TBD
A.45	<a href="#">Computational Modeling Algorithms and Cyberinfrastructure</a>	5/25/2017	7/27/2017
E.2	<a href="#">Topical Workshops, Symposia, and Conferences</a>	N/A	Rolling submissions through

			03/29/2018
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## 10. Graduate Certificate in Sustainable Water Resources Systems

Currently enrolled students can download the [Certificate Degree Schedule](#) 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](mailto:nspr@mtu.edu)) in the Graduate School.

### Request from CWS:

If you plan to complete the certificate, please email Carol Asiala ([mtcws@mtu.edu](mailto:mtcws@mtu.edu))

- If you are not already on the **glrc-student-community-I** 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.

### Links to certificate degree schedule:

CWS Web page: [http://www.mtcws.mtu.edu/education\\_gradcert.html](http://www.mtcws.mtu.edu/education_gradcert.html)

Grad School:

<http://www.mtu.edu/gradschool/administration/academics/forms-deadlines/pdfs/Certificate-s-ICSW.pdf>

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## 11. Student Research Grants (**August 11**) and Travel Grants (**June 30**)

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

**December 9, 2016**    **March 3, 2017**    **August 11, 2017**

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 **2 weeks in advance** of planned travel.

Applications for **Travel and Research** grants are online at:

<http://www.mtu.edu/greatlakes/about/documents/glrc-travel-grant-app.pdf>

Student advisors must be a faculty member of the GLRC (**CWS Faculty**) 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;
- 

## **12. Colloquium Course – UN5100 – next offered: Spring 2018**

### **Water & Society Colloquium Course**

**Spring 2017 Topic:** *“Holistic Health Assessment for a Waterborne Contaminant from Multiple Perspectives”*

**Course Number:** UN5100, CRN 13023, 1 credit

**Time/Location:** Tuesdays 3:35-4:25 in **Dow 875 (Confirmed)**

**Course Organizer:** Noel Urban ([nurban@mtu.edu](mailto:nurban@mtu.edu))

[http://www.mtcws.mtu.edu/education\\_colloquium.html](http://www.mtcws.mtu.edu/education_colloquium.html)

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.

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## **13. Seminar Speaker Support Program**

Great Lakes Research Center members can apply for 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 [mtcws@mtu.edu](mailto:mtcws@mtu.edu).

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## **14. 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>

**CUAHSI members will now receive discounted registration rates for CUAHSI events and workshops.**

Michigan Tech faculty, staff and students are CUAHSI members, and are eligible for the member discount. The member discounts will go into effect for the [2017 CUAHSI Conference on Hydroinformatics](#). Simply choose the CUAHSI member registration type when registering to receive the discounted rate. The member discounts for CUAHSI training workshops will go into effect starting in 2018.

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## **15. Job Opportunities**

### **[Stormwater Program Coordinator, Environmental Programs](#)**

Grand Valley Metro Council

Posted on June 12, 2017

### **[Director, Maine Sea Grant \(id:41595\)](#)**

Sea Grant

Review begins on July 17, 2017

### **[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)

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## **16. Student Opportunities**

### **[Fall 2017 Finishing Fellowship Nominations](#)**

Michigan Technological University

Deadline: 4:00 pm on July 6, 2017

**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