Michigan Tech Water Newsletter

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.

Recorded Events

Highlights

On-Campus Seminars

New Funding Opportunities

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 (August 11) and Travel Grants (April 28)

<u>Colloquium Course – UN5100 – Spring 2017</u>

Seminar Speaker Support Program

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

Job Opportunities

Student Opportunities

1. Recorded Events

Panel Discussion on April 6, 2017

"Economics of Climate Change" organized by the Economics Club

Moderator: Brianna Koski, Economics Undergrad, VP of the Economics Club

Panelists: Dr. Gary Campbell (SBE), Dr. Sarah Green (CHEM), Dr. Nancy Langston (SS), Dr.

Jessica McCarty (MTRI), Dr. Craig Waddell (HU)

2. Highlights

Zhaohui Wang (ECE/GLRC) wins CAREER Award

Zhaohui Wang (ECE/GLRC) is the principal investigator on a five-year \$500,000 NSF CAREER award for the project, "CAREER: Online Learning-based Underwater Acoustic Communications and Networking"

Joan Schumaker Chadde (CEE/GLRC) is the principal investigator on a project that has received a \$44,518 public service grant from Wayne State University. The project is "Educating Educators and Their Students Everywhere to Prevent New Invaders."

This is a two-year project.

Muxue Zhang was awarded the Third Place at 2017 Poster Presentation ACS Upper Peninsula Student Research Symposium

Muxue Zhang (GLRC) attended at the American Chemical Society (ACS) Upper Peninsula 2017 Student Research Symposium and presented her poster on March 25 at North Michigan University. She was awarded the third place for her poster presentation on her MS thesis work about predicting the reverse osmosis (RO) rejection of toxicologically relevant organics for direct potable reuse application in wastewater reclamation processes. Muxue Zhang is a second year masters student in environmental engineering program at Michigan Tech and works with Dr. Daisuke Minakata, an assistant professor in the Department of Civil and Environmental Engineering. Her work is the part of funded water reuse project looking at the intrinsic interactions between a wide variety of organics and RO membrane using computational chemistry tools.

3. On-Campus Seminars

April 14-15, 2017

Green Talks

Green Campus Enterprise

The purpose is to inform students about the green efforts going on around campus and to give the organizations that are presenting a forum to benefit from each other's experience and resources. Often, different organizations work on similar projects, and there may be opportunities for collaboration or advice.

Noblet Forestry Building G0002 6-7:30pm Friday and 2:00-3:00pm Saturday

Monday, April 17, 2017

Green Film Series: *The Messenger* (2016)

Based upon the award-winning book, Silence of the Songbirds, by Stutchbury, <u>The Messenger</u> is an investigation into the causes of songbird mass depletion, and the people who are working to turn the tide. The film takes viewers on a visually stunning, emotional journey revealing how issues facing birds also pose daunting implications for our planet.

Facilitator: David Flaspohler, SFRES

Forestry, Hesterberg Hall G002 7:00 - 8:30 pm

Thursday, April 20, 2017

Lake Superior Celebration

ART ~ *NATURE* ~ *HISTORY* ~ *MUSIC* ~ *GEOHERITAGE*

Great Lakes Research Center 6:00-8:00 pm

Sponsored by: Lake Superior Stewardship Initiative, Michigan STEM Partnership, Western U.P. Center for Science, Mathematics and Environmental Education, Michigan Tech Center for Science and Environmental Outreach, and the Great Lake Research Center

July 22-27, 2017

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**.

4. 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.

Great Lakes Bay Watershed Education and Training Program (B-WET) FY18

NOAA-NOS-ONMS-2018-2005158

Department of Commerce, NOAA

Deadline: June 2, 2017

<u>Coastal Watershed Restoration Grant Program for the Southeast New England Program</u> (SNEP)

EPA-R1-SNEP-2017

Environmental Protection Agency

Deadline: June 12, 2017

2018-2020 Research Projects

Ohio Sea Grant

- Crude Oil Transport (e.g., risk, economic evaluation of transport methods, outreach and education materials for risk evaluation, spill and emergency preparedness)
- Pharmaceuticals and Personal Care Products (e.g., impacts to biota, ability of both wastewater and water treatment facilities to address these issues, concentrations within receiving waterbodies)
- Tourism and Coastal Economic Development (e.g., market and nonmarket value of the Lake Erie watershed)

- Aquaculture (e.g., research and extension efforts that support improvements in nutrition, reproduction, larval rearing, and genomics that seek to address questions, barriers, or hurdles impeding the advancement of aquaculture initiatives)
- Sensor Technology Development (e.g., nutrient and toxin sensors)
- Environmental Economics

• Environmental Education Curriculum to compliment the Lake Erie Literacy Principles

Pre-proposal Deadline: May 11, 2017

Webinar: June 15, 2017

Full Proposal Deadline: August 3, 2017

Cooperative Ecosystem Studies Unit, Great Lakes Northern Forests CESU

G17AS00052

Department of the Interior, Geological Survey

Deadline: April 14, 2107

Ford College Community Challenge Grant 2017

Ford Motor Company Fund is requesting proposals for an innovative grant-making initiative: The Ford College Community Challenge. This program is designed to empower student-led projects at higher education organizations to catalyze community-building projects that address pressing local needs.

The overarching theme of the Ford College Community Challenge is "Making Lives Better" by:

- Changing the Way People Move Through Smart Mobility
- Driving Social Mobility
- Building Sustainable Communities

"At Ford, we understand that to be a truly sustainable organization, we must play an active role in the larger community, helping address a wide range of vital issues from education to safety to mobility."

Winning proposals must address, in some creative way, a tangible, unmet community need that addresses the issue of *Making Lives Better*. Participants are urged to think broadly and explore a variety of potential topics including infrastructure and workforce needs, education pipeline issues, design issues, new approaches to student volunteerism, etc.

Up to 10 winning proposals will be selected to receive \$25,000 each from Ford Motor Company Fund to support implementation of the proposed projects. Winning proposals must, at a minimum:

- 1. Describe an innovative approach to *Making Lives Better*
- 2. Involve students in a leadership role
- 3. Seek to address an urgent and unmet community need in a tangible way

- 4. Involve a community-based organization as a partner
- 5. Involve the school of business, engineering, or design in some way

Faculty and staff who would like to submit a proposal should contact Pete Cattelino, Office of Industry Relations (<u>picattel@mtu.edu</u>, 487-3486), to obtain a full RFP and further information. Please provide a 1 or 2 sentence overview of your proposal idea.

- Submission deadline of Wednesday, April 26, 2017.
- Twenty proposals from the 1st round will be selected in early June 2017 to advance to the 2nd round of the competition. These proposals will be asked to provide an additional "elevator speech" description of their projects, delivered via video.
- Award winners will be announced and projects implemented in fall 2017.

5. Request Contribution numbers for GLRC Publications

Please email Carol Asiala (<u>glrcadmin-l@mtu.edu</u>) 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 (<u>glrcadmin-l@mtu.edu</u>) 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 Periodic Update April 6, 2017

Great Lakes Connections

International Joint Commission newsletter March 2017

<u>Human Health Effects of Cyanobacterial Toxins in the Great Lakes Region: A Science and Monitoring Assessment</u>

International Joint Commission, February 2017

7. Conferences & Webinars

Wednesday, April 19, 2017

The Current Webinar 27: Nitrogen Management in Tile Drained Landscapes

North Central Region Water Network

<u>Register here</u> 3:00 - 4:00 pm ET

May 10-11, 2017

Untrouble the Waters

Freshwater Lab Summit 2017 University of Illinois at Chicago

May 15-19, 2017

International Association for Great Lakes Research (IAGLR)

IAGLR Theme for 2017: "From Cities to Farms: Shaping Great Lakes Ecosystems" Detroit, MI

Monday, May 15, 2017

Event Invitation - Fish Spawning Reef Planning Techniques

Register now for a professional development seminar on planning techniques for fish spawning reef projects. The seminar is being held in conjunction with the IAGLR conference in Detroit. *You do not need to register for IAGLR to participate.*

This team-taught seminar will explore strategies for establishing fish spawning reefs to promote the recovery of native species. Specific topics will include site assessment and selection, hydrodynamics and sedimentation concerns, reef design and construction strategies, and monitoring of early life stages of fish. Participants will discuss how techniques used in the St. Clair and Detroit rivers could be applied in other locations.

The seminar is open to all types of restoration practitioners, including professional engineers, biologists, project managers, students, researchers and anyone hoping to champion, design or monitor a constructed spawning reef in Great Lakes nearshore areas, connecting channels or larger rivers. Participants will receive a certificate showing they completed 7 hours of continuing education suitable for professional license renewals.

When: 9:00 a.m. - 4:30 p.m., Monday, May 15, 2017

Where: Cobo Center, 1 Washington Blvd, Detroit, Michigan Costs: \$75 for professionals, \$30 for students (includes lunch)

May 31 - June 1, 2017

Emerging Contaminants in the Aquatic Environment Conference

The Illinois Sustainable Technology Center (ISTC) and Illinois-Indiana Sea Grant (IISG)

Champaign, IL

Abstract Deadline: Feb 6, 2017

May 31 - June 2, 2017

Great Lakes and St. Lawrence Green Infrastructure Conference

Detroit, MI

July 20-21, 2017

2017 Naval Future Force Science and Technology (S&T) EXPO

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

8. 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

Conservation Innovation Grant

USDA-NRCS-PR-CIG-17-01

Department of Agriculture, Natural Resources Conservation Service

Deadline: April 28, 2017

BOEM FY 2017 Environmental Studies Program

M17AS00012

Department of the Interior, Bureau of Ocean Energy Management

Deadline: April 28, 2017

Cooperative Training Partnership in Aquatic Toxicology and Ecosystem Research

EPA-G2017-ORD-E1

Environmental Protection Agency

Deadline: May 16, 2017

Cooperative Program for Atmospheric Science Education

NOAA-SEC-OED-2017-2005168

Department of Commerce, NOAA

Deadline: Mary 17, 2017

2018 Urban and Community Forestry Challenge Cost Share Grant Program

USDA-FS-UCF-01-2018

Department of Agriculture, Forest Service

Deadline: May 24, 2017 Due to Dept. Administration Hold on all grant RFP Announcements.

This RFP status is pending.

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

MI DEO Nonpoint Source RFP schedule (based on FY2017)

-plan next year's program in advance

Watershed Plans must be submitted for Approval: Feb 2016

Draft RFP information Released: June 2016 Implementation RFP Released: July 2016

New Watershed Plans must be 319 Approved: 7/20/16

Notice of Intent Letters due: 8/17/16

Invitations for Full Proposals sent via e-mail: 8/31/16

Proposals due: 10/16/16

Projects Awarded: Early Summer 2017

NSF Announcements:

Program Nbr	Title	Proposal Deadline
16-509	Long-Term Ecological Research (LTER) New Site Competition	No date set for next year yet
		Pre-Proposal: Feb. 1, 2016
		Full Proposal: Aug. 2, 2016
16-503	National Science Foundation Research Traineeship Program	No date set for next year yet
	(NRT)	LOI: December 9, 2016
		Prop: February 7, 2017
15-609	Division of Environmental Biology (core programs) (DEB)	Pre-Proposal: Jan. 23, 2017
		Full Proposal: Aug 2, 2017
16-500	Long Term Research in Environmental Biology (LTREB)	Pre-Proposal: Jan. 23, 2017
		Full Proposal: Aug 2, 2017
17-543	Antarctic Research	May 23, 2017
16-571	Partnerships for International Research and Education (PIRE)	Pre-Proposal: Sept 14, 2016
		Full Proposal: Apr 24, 2017
	Limited Submission –Internal Deadline:	August 3, 2016
15-555	Faculty Early Career Development Program (CAREER)	July 19, 2017: BIO, CISE,
		EHR
		July 20, 2017: ENG
		July 21, 2017: GEO, MPS,
		SBE
14-559	Opportunities for Promoting Understanding through Synthesis	August 1, 2017
	(OPUS)	

15-506	Science, Technology, and Society (STS)	August 3, 2017		
15-577	Collections in Support of Biological Research (CSBR)	August 14, 2017		
PD 98-1650	Biological Oceanography	August 15, 2017		
PD 98-1610	Physical Oceanography	August 15, 2017		
PD 98-1670	Chemical Oceanography	August 15, 2017		
PD 98-1620	Marine Geology & Geophysics	August 15, 2017		
PD 17-7643	Environmental Sustainability	October 20, 2017		
PD 17-1417	Chemical and Biological Separations	October 20, 2017		
PD-17-1440	Environmental Engineering	October 20, 2017		
PD 09-6882	Environmental Chemical Sciences (ECS)	October 31, 2017		
13-589	Oceanographic Facilities and Equipment Support			
	Ship Operations	November 15, 2017		
	Oceanographic Technical Services	November 15, 2017		
	Oceanographic Instrumentation	December 15, 2017		
	Shipboard Scientific Support Equipment	December 15, 2017		
	Ship Acquisition and Upgrade & Other Facility Activities	Accepted Anytime		
15-536	Research Experiences for Teachers (RET) in Engineering and	November 1, 2017?		
	<u>Computer Science</u>	not posted yet for 2017		
	Limited Submission – Internal Deadline:			
15-600	Integrated Earth Systems (IES)	November 14, 2017		
14-601	Dynamics of Coupled Natural and Human Systems (CNH)	November 21, 2017		
16-506	Improvements in Facilities, Communications, and Equipment at	December 8, 2017		
	Biological Field Stations and Marine Laboratories (FSML)			
15-568	Earth Sciences Postdoctoral Fellowships (EAR-PF)	January 9, 2018		
15-504	Major Research Instrumentation Program (MRI)	January 10, 2018		
	Limited Submission –Internal Deadline:	October 25, 2017		
16-517	National Robotics Initiative (NRI)	January 11, 2018		
PD 98-1680	Ocean Technology and Interdisciplinary Coordination	February 15, 2018		
17-527	NSF Scholarships in Science, Technology, Engineering, and	March 28, 2018		
	Mathematics (S-STEM)			
15-558	Hydrologic Sciences (HS)	Accepted Anytime		
PD-06-5740	Climate and Large-Scale Dynamics	Accepted Anytime		
15-560	Geomorphology and Land-use Dynamics (GLD)	Accepted Anytime		
<u>15-516</u>	Earth Sciences: Instrumentation and Facilities (EAR/IF)	Accepted Anytime		
16-595	Arctic Research Opportunities	Accepted Anytime		

NASA ROSES 2016

APPENDIX	PROGRAM	NOI/Step 1 DUE DATE [2]	PROPOSAL DUE DATE
A.3	Ocean Biology and Biogeochemistry	02/13/2017 Step-1	04/13/2017 Step-2
A.25	Rapid Response and Novel Research in Earth Science	N/A	Rolling Submissions through 3/31/2017
A.51	Earth Science Applications: Food Security and Agriculture	2/17/2017	4/7/2017
E.3	Topical Workshops, Symposia, and Conferences	N/A	Rolling Submissions through 3/31/2017

NASA ROSES 2017

APPENDIX	PROGRAM	NOI/Step 1 DUE DATE [2]	PROPOSAL DUE DATE
A.1	Earth Science Research Program Overview	N/A	N/A
A.2	Land-Cover/Land-Use Change	4/3/2017 (NOI)	6/8/2017
A.8	Supporting UN Sustainable Development Goals 14 and 15 in the Context of Climate Variability and Change	TBD	TBD
A.9	ECOSTRESS Science Team	TBD	TBD
A.10	Physical Oceanography	5/30/2017	6/30/2017
A.11	Ocean Salinity Science Team	7/31/2017	8/31/2017
A.14	Ocean Vector Winds Science Team	9/29/2017	10/30/2017
A.16	<u>Cryospheric Science</u>	5/16/2017	6/16/2017
A.17	IceBridge Research	10/3/2017	11/3/2017
A.19	Solar Irradiance Science Team	8/4/2017	10/6/2017
A.20	Atmospheric Composition: Laboratory Research	N/A	5/26/2017
A.23	Fire Impacts on Regional to Global Scales: Emissions, Chemistry, Transport, and Models	N/A	6/16/2017
A.24	DSCOVR Science Team	TBD	TBD
A.25	<u>Terrestrial Hydrology</u>	5/24/2017	7/12/2017
A.28	Earth Surface and Interior	3/31/2017	5/15/2017
A.29	Rapid Response and Novel Research in Earth Science	N/A	Rolling submissions through 3/29/2018
A.33	Science Team for the OCO Missions	N/A	9/14/2017
A.34	Earth System Science Pathfinder (ESSP) Venture-class Science Investigations: Earth Venture Suborbital-3	TBD	TBD
A.36	New (Early Career) Investigator Program in Earth Science	7/31/2017	8/31/2017
A.37	The Science of Terra, Aqua, Suomi NPP, and JPSS	TBD	TBD
A.39	Earth Science Applications: Health and Air Quality	TBD	TBD
A.40	Earth Science Applications: Disaster Risk Reduction and Resilience	TBD	TBD
A.42	Advancing Collaborative Connections for Earth System Science	TBD	TBD
A.43	Making Earth System Data Records for Use in Research Environments	4/21/2017	5/22/2017
A.45	Computational Modeling Algorithms and Cyberinfrastructure	5/25/2017	7/27/2017
E.2	Topical Workshops, Symposia, and Conferences	N/A	Rolling submissions through 03/29/2018

9. Graduate Certificate in Sustainable Water Resources Systems

Currently enrolled students can download the <u>Certificate Degree Schedule</u> 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 (<u>nspr@mtu.edu</u>) in the Graduate School.

Request from CWS:

If you plan to complete the certificate, please email Carol Asiala (<u>mtcws@mtu.edu</u>)

- 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.

Links to certificate degree schedule:

CWS Web page: http://www.mtcws.mtu.edu/education_gradcert.html Grad School:

 $\frac{http://www.mtu.edu/gradschool/administration/academics/forms-deadlines/pdfs/Certificate}{s-ICSW.pdf}$

10. Student Research Grants (August 11) and Travel Grants (April 28)

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 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).

<u>Travel Awards</u>: 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 (<u>CWS Faculty</u>) 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 – Spring 2017

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 (<u>nurban@mtu.edu</u>)

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.

12. 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 <u>Seminar Speaker Request</u> form should be emailed to Carol Asiala at mtcws@mtu.edu.

13. 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

14. Job Opportunities

Civil Engineer (Hydraulics)

U.S. Army Corps of Engineers
Job Announcement Number SWGJ178713641936974R
1 vacancy in the following location: Buffalo, NY

Opened: Monday 4/3/2017 Closes: Wednesday 4/19/2017

Habitat Restoration Engineer/Scientist

NOAA Great Lakes Environmental Research Lab in Ann Arbor, M Posted April 11, 2017

Director of the Lake Erie Center

University of Toledo Application review in early April 2017

Director of Freshwater Research
Director of Marine Research
Shedd Aquarium

IAGLR Job Board

Job Opportunities in the Great Lakes

<u>The Stewardship Network – Job Postings</u>

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)

15. Student Opportunities

Superior Watershed Partnership summer positions

posted April 3, 2017

Michigan Sea Grant Fellowships

University of Michigan + Michigan State University, NOAA

Deadline: May 26, 2017

Graduate fellowships with Michigan Sea Grant or a partner organization

• Michigan Sea Grant Graduate Student Fellowship: May 26, 2017

May 15-19, 2017

International Association for Great Lakes Research (IAGLR)

IAGLR Theme for 2017: "From Cities to Farms: Shaping Great Lakes Ecosystems" Detroit, MI

Graduate Research & Training Scholarship Program (GRTSP)

NOAA

Applications accepted twice per year

Sea Change - climate change on Lake Superior through sailing experience

- month-long voyage May 5 June 4, 2017
- seeking crew, ages 18-25
- includes data collection, research, citizen engagement
- also view web page: http://www.amicusadventuresailing.com/sea-change.html

Research Associateship Programs

The National Academies

4 application deadlines throughout the year

Participating agencies include: NOAA and EPA