CEE Advising Announcement

September 11, 2009
Week 2

Michigan Technological University
Civil & Environmental Engineering Department

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Announcements:

Test Drive a Concrete Canoe

Just to keep you all in the loop, this Saturday the MTU concrete canoe team will be hosting the annual test drive a concrete canoe day. The test drive will begin at 3:00pm down at the chutes and ladders beach, rides will be available behind Dillman from 2:45 to 3:30pm. This is a great place to enjoy the sun and great company while getting free food. Even if you are not interested in paddling the concrete canoes you are welcomed to come down and socialize.

Ryan Hoensheid (rchoensh@mtu.edu)
Steel Bridge Team Meeting

The Michigan Tech Steel Bridge Team will be having their first general meeting of the year. Here we will describe the team’s functions and what is done at competition along with future positions opening up in the team. The team is currently looking for new members to aid in the design process and fabrication of this year’s bridge.

If you are interested in joining the team you can get more information by attending September 16, 2009 at 6 pm in Dillman 202. Pizza will be served first come first served basis. You can get more details by contacting one of the captains or by going to the web page. http://www.cee.mtu.edu/asce/steel_bridge/index.htm

Launce Sulaty, Captain MTU Steel Bridge Team

Big Ten+ Graduate School Expo

Registration is open for the Big Ten+ Graduate School Expo September 27–28, 2009.

Students will:
- Get an inside look at graduate school and the application process
- Receive advice about funding opportunities from National Science Foundation representatives and other experts
- Network with representatives from more than 50 of the nation’s top graduate institutions
- Attend a premier graduate school fair

This two day mini–conference is especially designed for students interested in graduate education in:
- Science
- Technology
- Engineering
- Mathematics
- Pharmaceutical sciences
- Other science–related disciplines.

The Big Ten+ Graduate School Expo awarded more than $30,000 in travel scholarships last year. Women and members of underrepresented groups are encouraged to attend.

Visit www.purdue.edu/gradexpo for more information and to register.
Scholarships:

**Marathon Oil Corporation/UNCF Corporate Scholars Program**

Marathon offers paid internship positions in addition to entry-level positions for students with a GPA of 3.0 or higher (4.0 scale) majoring in:

- Geosciences
- Engineering (petroleum, chemical, civil, electrical, geological, mechanical)
- Health, Environment and Safety

Must be African American, Asian Pacific Islander American, American Indian/Alaskan Native or Hispanic American and US citizen or permanent resident.

- Up to $15,000 need-based scholarship
- 8–10 week paid summer internships

Apply online at [www.uncf.org](http://www.uncf.org)

**Goldwater Scholarship**

The 2010 Barry M Goldwater scholarship application is now available at [http://www.act.org/goldwater](http://www.act.org/goldwater). In practice, no MTU student in the recent past has received a Goldwater scholarship who has not had significant research experience. (Significant = published or presented at a national meeting) The application also calls for 3 letters of recommendation. Those letters have to be strong.

Will Cantrell ([Cantrell@mtu.edu](mailto:Cantrell@mtu.edu))
MTU Goldwater Scholarship Representative

**Wisconsin Transportation Builders Association (WTBA) Engineering Scholarship**

WTBA awards a $2,000 scholarship to a Wisconsin student enrolled in Civil Engineering, Construction Technology, Construction Management or a related curriculum at Michigan Technological University. Note: This scholarship is only available to Wisconsin residents.

Applications can be found on the following website: [http://www.wtba.org/uploads/docs/Mich_Tech_Engineering_Scholarship.doc](http://www.wtba.org/uploads/docs/Mich_Tech_Engineering_Scholarship.doc)

Application deadline is **October 15, 2009**
American Society of Safety Engineers – Scholarship

The American Society of Safety Engineers (ASSE) Foundation is pleased to announce the 2010 Scholarship & Professional Development Grant Program available to students pursuing degrees in occupational safety, health and the environment and to safety professionals wishing to advance their professional credentials in safety.

This year we are offering over $110,000 in scholarships and grants. A complete list of awards, criteria, applications and program rules are available on the ASSE Foundation website.

For scholarships visit: http://www.asse.org/foundation/scholarships/scholarships.php
For professional development grants visit: http://www.asse.org/foundation/pro_grants/grants.php

Applications are due December 1, 2009, and awards will be announced on or around April 1, 2010.

Noyce Scholarships

We have scheduled two informational meetings for students potentially interested in the Noyce Scholarships for future science and mathematics teachers, supported by NSF. These will be held in Academic Office Building 201:

Monday, September 21, 12:00-1:00 PM
Monday, September 28, 6:00-7:00 PM

At these sessions we will try to cover as much information about the Noyce program as possible, including:

- eligibility (last two years of undergraduate study majoring in science, engineering or mathematics)
- Noyce program activities
- teacher education program requirements
- application process
- scholarship amount ($20,000 for a 2 year scholarship)
- Noyce scholar obligations

More background on the program is available at http://noycescholars.mtu.edu/, but the information sessions will give students the opportunity to ask questions and get clarification as needed.

Thanks for your help,
Brad Baltensperger (brad@mtu.edu)
AGC – Scholarship Applications Now Available

Scholarship applications are available on-line for the 2010 AGC Education and Research Foundation's undergraduate and graduate programs.

College sophomores and juniors enrolled or planning to enroll in a full-time, four- or five-year ABET or ACCE-accredited construction or civil engineering program are eligible to apply. High School seniors and college freshmen are not eligible.

AGC – A renewable scholarships are worth $2,500 per year for each year of undergraduate study, up to a maximum of $7,500. Over 100 scholarships are awarded each year.

College seniors enrolled in an undergraduate construction or civil engineering degree program, or others possessing an undergraduate degree in construction or civil engineering are eligible to apply. The applicant must be enrolled, or planning to enroll, in a graduate level construction or civil engineering degree program as a full-time student.

The Saul Horowitz, Jr. Memorial Graduate Award, the Heffner Scholarships for Graduate Students and the Smith, Currie & Hancock Graduate Scholarships are worth $7,500 each, paid in two installments of $3,750.

Both applications can be found on-line at http://www.agc.org/cs/career_development/foundation/scholarships, or call Flo Slade at (703) 837-5342 to have one mailed. The deadline is November 1, 2009.

Northern Illinois Building Contractors Association – Scholarship

The Education Committee at the Northern Illinois Building Contractors Association is again offering high impact scholarships to the students in your construction program.

We feel these scholarships would be a great opportunity for your students and any help to get the word out would be greatly appreciated.

A typable Adobe form of the application and rules are available on our website: www.nibca.net. The deadline is October 15, 2009. If you have any questions, please call or e-mail me.

Pat Lamb
Northern Illinois Building Contractors Assoc., Inc.
1111 S. Alpine Road, Suite 202
Rockford, IL 61108
phone: 815/229-5636
fax: 815/226-4856
e-mail: Pat@nibca.net
Michigan Stormwater–Floodplain Association (MSFA) Scholarship

The Michigan Stormwater–Floodplain Association (MSFA) is the Michigan Chapter of the Association of State Floodplain Managers (ASFPM). MSFA began in 1987 to promote the common interest in floodplain and stormwater management, enhance cooperation among various local, state and federal governmental agencies, and to encourage effective and innovative approaches to managing the State's floodplain and stormwater management systems. The Association’s mission is to mitigate the losses, costs and human suffering caused by flooding and to promote wise use of the natural and beneficial functions of floodplains. MSFA supports comprehensive nonstructural and structural management of Michigan's floodplains and related water resources and the concept of "No Adverse Impact". MSFA members represent local, state and federal government agencies, citizen groups, private consulting firms, academia, the insurance industry, and lenders. MSFA’s goals are to help the public and private sectors:

1. Reduce the loss of human life and property damage resulting from flooding.
2. Preserve the natural and cultural values of floodplains.
3. Promote flood mitigation to prevent the loss and encourage wise use of floodplains.
4. Avoid actions that exacerbate flooding and or stream degradation.
5. Promote a watershed approach to stormwater management.
6. Promote the use of best management practices to minimize accelerated erosion and control sedimentation.

Applicant Criteria:

1. Full time Junior, Senior or Graduate Student in Biosystems, Civil, or Environmental Engineering, or related Natural Resources Planning program with a specialization related to the mission and goals of the MSFA.
2. Have a cumulative grade point average of 3.0 or above at the end of Spring Semester 2009.

The application is available on the MSFA website at: http://mi.floods.org/
Job Postings:

CSX – On campus interviews

CSX will be on campus to interview for the following Full-time positions
Trainmaster Management Trainee
Assistant Roadmaster Management Trainee

For more job details and to apply visit NACElink.

Dept of State – Foreign Service Diplomatic Security Engineering Officer

The Dept of State is pleased to inform you that they are accepting applications for Foreign Service Diplomatic Security Engineering Officer positions.

Please go to USAJobs (http://jobview.usajobs.gov/GetJob.aspx?JobID=82886013) for more information, and to start the application process. Please note that careers.state.gov is currently having technical difficulties and may be intermittently inaccessible. We are working to resolve this issue as quickly as possible.

All potential applicants are strongly urged to read this entire vacancy announcement to ensure that they meet all of the requirements for this position and that they fully understand the special circumstances involving a career in the Foreign Service before applying.

All applicants must be American citizens and at least 20 years old to apply and at least 21 years of age to be appointed. Candidates must be appointed to the Foreign Service prior to the month in which they reach 60 (except for preference-eligible veterans).

We appreciate your interest in a career with the U.S. Department of State.