

Wisconsin Section Southwest Branch (<http://ascewisw.org/>)

Tuesday, May 17, 2011  
Joint Meeting with WSPE



## IceCube

### Building a Neutrino Observatory at the South Pole - Project IceCube

Presented by Jim Haugen - Instrumentation Manager and Terry Benson - Ice Driller

Project IceCube is a \$285M National Science Foundation funded Neutrino Observatory that recently completed construction at the South Pole in December, 2010. The project is the culmination of work done by an international team of scientists, engineers and computer specialists who have been working on development and construction of the detector since November 1999, when the first proposal was submitted to NSF and partners in Belgium, Germany and Sweden. The University of Wisconsin is the lead institution for this effort and we will talk about the science and the unique construction challenges of building this very large telescope buried over a mile deep in the ice of Antarctica.

Additional information can be found here:  
<http://icecube.wisc.edu/>

Jim and Terry have both been with the IceCube project for over 8 years. Terry started out on the project while a student in the Mechanical Engineering Department at UW - Madison. He had major drill design responsibilities and eventually worked himself into the position of Drill Shift Lead with responsibility on the ice of leading a team of 10 drillers. He now works as a Mechanical Engineer at the Physical Sciences Lab in Stoughton, WI. Jim came to the project

after many years of work in the electronics industry, mostly in Operations. He is also a graduate of UW - Madison. His primary responsibility has been the leading the effort to build and deliver all of the instrumentation for the project.

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**Time:** 5:30 pm Social Hour/Cocktails  
6:00 pm Dinner  
6:30 pm Presentation

**Dinner Menu:**

Family style dinner with pork roast and haddock.

**Cost:** Professionals/Faculty - \$18  
Students - free  
Cash bar available for alcoholic beverages.

**Location:**

Fitzgerald's of Middleton  
3112 Parmenter Street, Middleton, WI 53562



**Directions:**

From HWY 12/14 head north on to Century Ave. Turn south on Parmenter St. Fitzgerald's will be on the right side of the road just south of Lisa Lane.

**RSVP:**

Please RSVP by 5:00 PM, Friday, May 13 via E-vite (preferred) or to Dan Schrum at [Daniel.Schrum@hdrinc.com](mailto:Daniel.Schrum@hdrinc.com) or (608) 662-1835.

**NOTE:** We need you to RSVP number attending to get accurate food counts. If a walk-in guest does not purchase your meal, you will be invoiced. Send a substitute guest if you have a last minute conflict.

Mark your calendars for the February  
SW Branch ASCE Meeting:  
**5:30 pm Tuesday, May 17**  
**Sign up NOW - RSVP date is May 13!**

**PRESIDENT'S MESSAGE**

May is typically the last official meeting of the season for the Southwest Branch, and it also marks a changing of the guard for our board. This is my last message as President of the Branch. I've enjoyed working with our great dedicated board members as well as meeting many of you at the monthly meetings. I am leaving the Branch in the very capable and enthusiastic hands of President-Elect Theresa Possley Nelson. Theresa has taken the initiative this year to completely transform our branch website (more about that in a minute) and kick off a Younger Member Committee, and she has many many more ideas up her sleeve that I think will benefit Branch members a lot. But she won't do it alone, she'll have a lot of help. I'd like to thank our newly elected officers as well as all the rest of the board members who volunteer their time to keep the Branch humming.

List of elected officers:

President – Theresa Possley Nelson  
President-Elect - Larry Ryan  
Secretary – Justin Bilskemper  
Treasurer – Ric Stoor  
Directors – Mark Meyers, Brett Oftedahl and Michael Barahona

Other board members:

Newsletter Editor – Dave Staab  
Program/Arrangements Co-Chairs – Dan Schrum and Amanda Stone  
Membership Chair – Bill Wuellner  
Scholarship Chair – Justin Bilskemper  
Public Relations Chair – Larry Ryan  
UW-Madison Liaison – Robbie Sivak  
UW-Madison Faculty Advisor – Kurt Frey  
UW-Platteville Liaison – Ray Spellman  
UW-Platteville Faculty Advisor – Philip Parker  
Webmaster & Younger Member Chair – Theresa Possley Nelson  
Social Media Chair – Michael Barahona  
Engineers Without Borders Liaisons – Amanda Stone and Mark Meyers

It's never too early to start planning for next year. The Southwest Branch will be hosting the Spring Technical Conference again next year, and we are excited about the venue that we've chosen! We'll be taking advantage of the beautiful new Union South in Madison. So mark your calendars for next March and be sure to attend Spring Tech Conf 2012!

Last but certainly not least, check out our new website at <http://ascewisw.org>! It's still getting some finishing touches, but I think you'll agree it's quite a step up from the old website! What's even better is that the new domain is hosted by an eco-friendly web host called Green Geeks. Yes, I didn't know such things existed either. They purchase wind energy credits to offset the power used to run their servers (who knew that the internet was an energy consumer?). So you can rest assured that your visit to our Branch website will not harm the environment!

Enjoy your summer and stay in touch!

Cassie Goodwin

Southwest Branch President, 2010 - 2011

[cassie.goodwin@jlr-us.com](mailto:cassie.goodwin@jlr-us.com)

## WI Section American Society of Civil Engineers



### New Website – [ascewisw.org](http://ascewisw.org)

The new ASCE WI Southwest Branch website is finally up and running with the help of FusionFly Web Design. Visit <http://ascewisw.org> to check it out! There you will find upcoming meeting information, bios of our Board members and contact information, photos, outreach activities, links, and much more! We plan to continue to add content, so check back often for new information. If **you** have any suggestions for additional content for our website, please send them to [webmaster@ascewisw.org](mailto:webmaster@ascewisw.org).

In addition to our new site, we have also started a new email list (which replaces our use of Evite to send newsletters and information emails). We hope this will enable us to better communicate electronically with our members.

### Younger Members!

The ASCE WI Southwest Branch Board is excited to announce the formation of a Younger Member Committee (YMC). The purpose of the Committee is to plan and organize activities specifically geared for the Younger Members (those 35 and younger – or young at heart!) of our Branch. This will be a great opportunity to help transition young engineers from Student Chapter members to Section/Branch members, bring together YMs for topics of mutual interest, provide training for future Section/Branch leaders, and provide a forum for YMs to discuss their views and ideas on Society and Section/Branch matters. Potential YM activities include social events, professional development seminars, community service projects, student outreach, and more.

We are still looking for people interested in being on the Committee to help plan and organize some Younger Member events for the coming year. You can commit as little or as much time as you would like. Please email [ymc@ascewisw.org](mailto:ymc@ascewisw.org) to sign up for the YMC. We will get a YMC meeting set up in the next few weeks to plan our first event – hopefully a social event for June! Your ideas for YM events are welcome at [ymc@ascewisw.org](mailto:ymc@ascewisw.org)!