

THE OBSERVER

JANUARY 2017

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A WORD FROM THE PRESIDENT

By: Carl Thunberg, PE
NHSPE President

I hope everyone had an enjoyable holiday season with family and friends, whatever holiday you celebrate! With the new year, we are launching a new look. You probably noticed the **new NSPE-NH logo** when you opened this edition of Observer. The new logo was developed by the National Society of Professional Engineers, to modernize its look and to better define the relationship between the State and National
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Engineer's Week Banquet

In February, Engineers across the State of New Hampshire and the U.S. will celebrate the **66th Annual Engineer's Week**. Our annual E-Week Banquet is scheduled for **Thursday, February 23, 2017** at the SERESC Conference Center - 29 Commerce Drive, Bedford, NH. Once again, a full afternoon/evening of activities to make it a must attend event.

Three, 1-hour afternoon educational seminars will be offered along with PDHs, beginning at 2:00 PM and ending just in time for the social gathering and exhibitors. The seminar topics will begin with *Site Assessment for Water Supply Project in Uganda*, presented by Jodie Bray Strickland P.E., of CMA Engineers, Inc.. You will learn about Jodie and her team's experience designing and working in a remote village in Uganda. The second topic will be *Creating Next Generation Alternative Fuels*, presented by Professors Hunter Mack and Hsi Wu Wong of UMASS Lowell Engineering Dept. both of whom have conducted some recent interesting research. Rounding out the afternoon will be *The Oso Landslide*, presented by Professor

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NHDES Update

On December 14th, the NH Society of Professional Engineers hosted its annual "NH Department of Environmental Services (DES) Update" luncheon meeting at the Puritan Conference Center in Manchester.

Presenters included Brandon Kernen, Supervisor of the DES Hydrology and Conservation Program; Kirsten Howard, Coastal Resilience Specialist in the DES Coastal Program, and Dr. Shane Csiki, the state fluvial geomorphologist with the NH Geological Survey at DES.

Topics included drought management in New Hampshire, review of the Coastal Risk and Hazards Commission Recommendations and technical and collaborative capacity for improving stream crossings. Approximately 40 people attended and received credit for 2 professional development hours (PDHs). Copies of the presentations are posted on the NHSPE website at <http://www.nhspe.org/events/>.

(Submitted by Gregg Comstock, PE)

Engineer's Week Banquet (Continued from Page 1)

Jean Benoit of the UNH Civil Engineering Dept. The Oso Landslide occurred during March 2014 in Washington State. Professor Benoit was able to spend time on site, study the causes, and talk about lessons learned.

Immediately following the seminars at 5:00 PM, we will have time to catch up with peers in a casual setting and a chance to chat with our welcomed exhibitors. Following the social portion of the evening, dinner will served at 6:15 to 6:30 PM, at which time we will introduce this year's Engineer and Young Engineer awards.

After dinner, the evening will wrap up with a presentation by our keynote speaker, *Buck Beaudoin*, Principal at Mad Pow. Buck is an innovator in the field of digital design. He will be discussing how to create a pipeline of talented STEM students, keep them in New Hampshire and make them our future employees. In his opinion, engineers are responsible for "creating mind-blowing solutions" for today's toughest challenges. We need to tell our stories to our best and brightest and understand what we can do to help retain talent within our great state by participating in mentorship and outreach through the New Hampshire STEM Task Force initiative. Come and listen to his story and add your two cents or more.

We ask the engineering communities' support in sponsoring the event or becoming an exhibitor. It would not be a successful event without your help. So when you get that call or email, please be open and generous. Registration for the educational seminars, dinner, and sponsoring/exhibiting are currently available through the NHSPE web site (<http://www.nhspe.org/nh-engineers-week>). Please contact anyone of the E-Week Planning Committee members including Jay Beaudet PE, Dirk Grotenhuis PE, Gregg Comstock PE, Julie Whitmore PE, Carl Thunberg PE, or Larry Dwyer PE if you have questions.

Submitted by Lawrence Dwyer, PE

THE OBSERVER

The Observer is published quarterly by the New Hampshire Society of Professional Engineers for its members. Its purpose is to inform members of NHSPE activities and related topics.

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2016-2017 MATHCOUNTS Program

The 34th MATHCOUNTS Program is now in full swing. 50 schools and 2 home schools are registered. That makes a total of 403 students overall.

The regional contests for the six regions are scheduled, and the locations and dates are as follows:

Southern NH Region: McKelvie School in Bedford on Saturday, February 4 (snow date is February 11)

Plymouth Region: Plymouth State University on Saturday, February 4 (snow date is February 11)

Seacoast Region: UNH in Durham on Saturday, February 11 (snow date is February 18)

Keene Region: Keene State College on Friday, February 3 (snow date is February 10)

Lebanon Region: Thayer School at Dartmouth on Thursday, February 9

North Country Region: Lancaster School on Saturday, February 18

The State Competition is tentatively scheduled for March 4 at Plymouth State University (snow date is March 11)

As mentioned earlier, we will be looking for volunteers to help with the scoring and administration of the State Competition in March, so please let us know if you can help. We are still raising funds to help with the costs of the program. If you know of prospects for contributions, please let me know and I will send them a fundraising letter.

*Submitted by Ben Pratt, PE
State and Regional MATHCOUNTS Coordinator*

Take the 2017 Milton F. Lunch Ethics Contest Challenge!

All current NSPE individual members through their NSPE state societies and NSPE chapters (including student chapters) are invited to participate in the **2017 NSPE Milton F. Lunch Ethics Contest**. Match your wits and knowledge of engineering ethics with experienced professional engineers and engineering students throughout the country.

New this year, the winning entry will receive a certificate, recognition in *PE* magazine, and an award of \$1,000 to the author!

How to Participate:

NSPE's Board of Ethical Review is furnishing you with four different fact situations to choose from regarding the ethics of engineers. Contestants can choose any one out of the four situations and develop an essay, video, photo essay, poster, or PowerPoint presentation which could include embedded videos/sound, etc. to demonstrate their understanding of the facts and the NSPE Code of Ethics.

Contestants are asked to read the facts of the case, then develop a discussion and conclusion to respond to the included question(s). Contestants should also provide references, citing specific sections of the NSPE Code of Ethics for Engineers. Contestants may also want to check the NSPE Board of Ethical Review's Web site for additional cases decided by the BER.

All entries must be received by **Friday, April 28, 2017**. E-mail or mail entries to:

2017 NSPE Milton F. Lunch Ethics Contest
NSPE Legal Department
1420 King Street
Alexandria, VA 22314-2794
E-mail: legal@nspe.org

Download: [Milton F. Lunch Ethics Contest Flyer](#), with all attachments.

The contest is named for NSPE's former general counsel, who played a key role in the founding of the NSPE Board of Ethical Review.

Word from the President

(Continued from Page 1)

societies. As you probably know, the New Hampshire Society of Professional Engineers is a state society of National Society of Professional Engineers. We will be phasing in the new logo into our promotional materials, including education event announcements, the Observer, email blasts, and our web-site. We are an all-volunteer Board, so the transition will occur as our volunteers have time to make the changes.

NSPE-NH has several continuing education events scheduled for our members. Look for announcements of the following events:

January 25 – Snow Load Failure – Red Hook Brewery, Portsmouth, NH

February 23 – Engineer’s Week Banquet – 3 PDHs for attendance in afternoon sessions

March – No Events

April – Date and Location TBD. Topic: Heart Valve Replacement – 1 PDH

May – Date and Location TBD. Topic: New Professional Engineer Dinner – 1 PDH – Ethics

June – Date and Location TBD. Topic: Annual Meeting and Swearing in of Officers

The New Hampshire General Court began its 2017 Legislative Session on January 5, 2017. NSPE-NH continues to monitor the House and Senate dockets for pending bills that could potentially affect the safe practice of engineering by licensed professional engineers. Before a bill is introduced for the General Court, a senator or house member submits a Legislative Service Request (LSR) to Legislative Services for drafting

the language of the bill. While it’s still early in the legislative session, we are tracking two LSRs that may potentially impact licensure. Since no bill has yet been introduced, we don’t yet know the content of the LSR. Here are the LSRs we are tracking:

2017-0364 – relative to the regulation of certain professions by the office of professional licensure and certification.

2017-0398 – requiring temporary licensure of a person holding an occupational or professional license in another state or country.

NSPE-NH is also tracking **Senate Bill 21** relative to continuing education of architects. SB21 does not directly impact professional engineers, but NSPE-NH will continue to monitor SB21 in case the bill gets amended to include professional engineers.

Events like the Engineers Week Banquet, monthly continuing education events, and tracking the legislative docket only happen through the hard work and dedication of volunteers. It’s people that make these events happen. One of our continuing challenges is finding new volunteers with a fresh perspective. Please consider becoming involved in NSPE-NH at whatever level feels comfortable to you. We have a number of vacancies on our Board, and we would love to hear from anyone who is thinking they would like to become involved. You can reach me directly at carl.thunberg@terracon.com or on my cell phone at (603) 856-4096. I’d love to talk to you!



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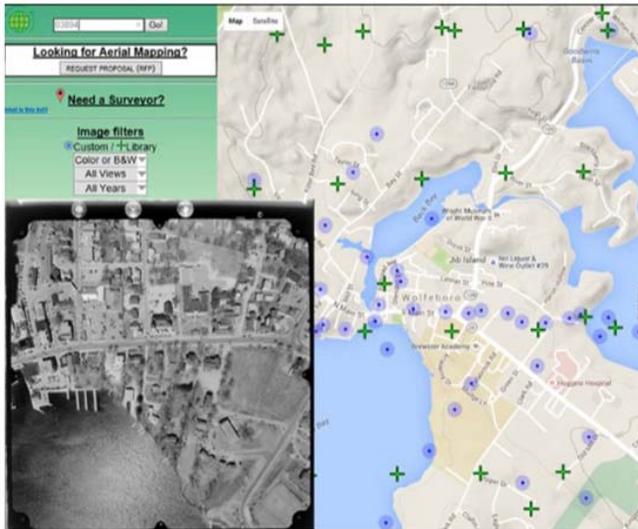
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Northeast Regional Conference

The 2016 Northeast Regional Conference of the National Society of Professional Engineers was held in Saratoga Springs, on November 3 through 5, 2016. The event was comprised of an evening gathering and social event on Thursday night, followed educational sessions and dinner on Friday, and was concluded on Saturday with the Northeast Regional Membership/Business Meeting. Membership was represented from New Hampshire and across the region.

Friday was comprised of a day of technical sessions followed by dinner. The technical sessions were well diversified in subject matter. Some of the topics presented included; Construction Site Sediment Control, Building Envelope Technologies for Energy Efficient Designs, Carbon Emissions of Structural Systems, An Economical Low-Impact Wastewater Collection System, and others. Multiple tracks were provided during the sessions and PDH's/CEU's accompanied them, all

of which meet the New York PDH requirements.

The conference concluded on Saturday with the Regional Membership/Business Meeting. The Northeast Regional Director, David D'Amico of Rhode Island, gave a presentation on "Membership Research and Options Overview" compiled by McKinley Advisors which was presented at the National Conference in June 2016. Mark Golden, NSPE Executive Director, also provided an update on NSPE news. Also discussed were the future NSPE Northeast Conferences, which will be held in Massachusetts in 2017, Pennsylvania in 2018, and *New Hampshire in 2019*. In closing, recognition should be given to NYSSPE for all the efforts that went into coordinating this successful event.

Submitted by Jason Beaudet, PE

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