



the Green Mountain Civil Report

<http://sections.asce.org/vermont>

www.asce.org **January 2012** 1-800-548-ASCE

PRESIDENT'S MESSAGE

Hello and Happy 2012! I hope everyone had a safe, happy, and restful holiday with family, friends, and loved ones. We at Vermont ASCE wish you all a healthful and prosperous New Year.

We had a very successful end to 2011. On December 8 ASCE and the Vermont Society of Engineers (VSE) held our annual holiday social at the Farmhouse Tap and Grill. The event was very well attended and a good time was had by all. We also collected a large box of toys for donation to toys-for-tots. Thank you to all who attended to help make this a great kickoff to the holiday season.

Upcoming on Friday, February 3, we have our annual student ski day at Sugarbush. The event features a full day of skiing, pizza lunch with a talk by Shawn Kelley, our regional governor, and new this year, a fun ski race. The event is not limited to students, everyone is welcome. An invitation and sign up information is attached to the newsletter. In particular, I'd like to invite members and organizations to sponsor a student for this event.

February is e-week. As such, several interesting events are scheduled. I would like to highlight a couple. First, Vermont ASCE will be releasing our first ever report on Vermont's Infrastructure. This release will take place at the Capitol Plaza Hotel on Tuesday, February 21. We are in the process of inviting the governor and key legislators, in addition to the media. The report card provides an evaluation and grade for water, wastewater, roads, bridges, and dams in Vermont. All are welcome to attend the release. Copies of the report card will be available after the release.

Second, is the e-week banquet. This event takes place on Friday, February 24 and features Brian Searles, Vermont Secretary of Transportation. The invitation for the banquet and an e-week brochure are attached.

On March 8, we will hold a dinner meeting with a structural theme, which we will co-host with the

Structural Engineers Association (SEA). The topic and location are still being finalized.

On April 18th we will be holding our annual past president's breakfast at the Capitol Plaza Hotel in Montpelier. Our featured speaker will be Greg DiLoreto, ASCE National president-elect. We will be honoring our past Vermont Section ASCE president's and we are very fortunate to have Greg join us to provide his vision for ASCE.

I hope to see you at one of our upcoming events!

Respectfully,

Bernie Gagnon



2012 VT ASCE MEETING SCHEDULE

February 3, 2012

Annual Ski Day

Location: Sugarbush

February 20-24, 2012

E-Week and Report Card Release

Location: Various

March 8, 2012

Joint Meeting with Structural Engineers Society of Vermont

Location and Topic: TBD

April 18, 2012 Past President's Breakfast

**Location: Capitol Plaza Hotel
Montpelier**

Topic: Honor our past President's and a talk by Greg DiLoreto, ASCE President-Elect

May 10, 2012

Annual Meeting

Location and Topic: TBD

MESSAGE FROM THE EDITOR

The Green Mountain Civil Report is a monthly newsletter written in collaboration with the Vermont sector of the American Society of Civil Engineers.

Our goal is to keep you informed with the latest news and events in the field. If you have news you would like to share, please contact us with your announcements so we can add them to the upcoming edition.

The newsletter is generally distributed via email. If you would like to receive a hard copy, or you are not receiving the E-Newsletter and would like to, please contact Laura Ripley (Newsletter Editor) at vtascenewsletter@gmail.com or any of the other officers listed at the end of the newsletter.

UVM ASCE STUDENT CHAPTER

The UVM ASCE student chapter consists of roughly 30 active student members. Their involvement includes competing in the Concrete Canoe Competition, Steel Bridge Competition, volunteering for Irene relief, and various other fundraisers/volunteer work.



Above are pictures of a few future engineers at the 4-H after school program for middle schoolers. UVM ASCE student members Ryan Trudel, Hillary Hughes, and Dave Ribbans ran this program, which came to an end in late November. Projects included marshmallow catapults, mechanical arms, pasta bridges, and egg drop containers. It was a great success a good learning experience for all parties involved.

"The kids were really engaged and ambitious to do the different activities each week."

-Dave Ribbans, Senior, Civil Engineering

"I was thoroughly impressed with their ability to conceptualize and create projects with the basics provided. They were quite innovative and creative."

-Hillary Hughes, Senior, Civil Engineering

To find out more about the UVM student chapter, go to <http://www.cems.uvm.edu/~asce/>.

**VTASCE FUND RAISERS AND
COMMUNITY SERVICE EVENTS -
PLEASE HELP SUPPORT YOUR
LOCAL SECTION AND YOUR
COMMUNITY!**

I. COMPANY DIRECTORY in VTASCE newsletter

See attached flyer

II. JOB POSTING in VTASCE newsletter.

See attached flyer

III. CELL PHONE DONATION

Consider donating your old cell phone to the ASCE VT SECTION. We will take your phone and turn it into cash and use it for our ASCE VT Section. Please bring your cell phone to our next meeting.

**UPDATE YOUR CONTACT
INFORMATION**

The Vermont Section of ASCE depends on its membership to update their member information with ASCE National. Please make sure ASCE has your latest contact information by calling 1-800-548-ASCE (2723)

ATTENTION VT ASCE MEMBERS

The Vermont Section is looking to fill the Vermont Technical College Practitioner Advisor Position. This position is important to the student chapter and the engineering community. This position provides a link for the students to a world outside of academia. If you are interested in discussing this position please contact Jason Booth at jbooth@aeengineers.com

ASCE Member Benefits!

- FedEx discounts
- ASCE Memoirs
- Discounted Life Insurance (Visit the ASCE Website)

**CONTINUING EDUCATION
WEBINARS FOR JANUARY 2012**

For more information on ASCE's webinars, go to http://www.asce.org/conted/distancelearning/online_webseminars.cfm

Wed Jan 04	Low Volume Roads
Wed Jan 04	Writing: How to Engage and Convince Your Readers
Thu Jan 05	Design of Building Foundations: Practical Basics
Thu Jan 05	Installation, Verification, and Application of Driven Piles
Fri Jan 06	Mentoring: Guidance for Mentors, Protégés, and Organizations
Mon Jan 09	Designing with Engineered Lumber
Tue Jan 10	Use of Geosynthetics for Water Proofing Critical Hydraulic Structures
Tue Jan 10	Application of Clear Zones
Wed Jan 11	Practical Design of Bolted and Welded Steel Connections
Wed Jan 11	An Introduction to HEC-RAS Culvert Hydraulics
Thu Jan 12	Engineered Rain Gardens and Bioretention Facilities for Sustainable Stormwater Management
Thu Jan 12	Load and Resistance Factor Design (LRFD) for Geotechnical Engineering Features: Micropile Foundations
Fri Jan 13	Underpinning and Strengthening of Foundations
Fri Jan 13	Traffic Signal Design
Tue Jan 17	A General Overview of ASCE 7-10 Changes to Wind Load Provisions
Tue Jan 17	Advanced Culvert Hydraulics with HEC-RAS
Wed Jan 18	Critical Path Method: Introduction to the Method and Software
Thu Jan 19	Condition Evaluation of Existing Structures – Concrete and Steel
Fri Jan 20	Design of Wood-Framed Sloped Roofs
Fri Jan 20	Design of Streets for Residential Subdivisions
Mon Jan 23	Mitigating Effects of Corrosion and Deterioration in Construction
Mon Jan 23	Load and Resistance Factor Design (LRFD) for Geotechnical Engineering Features: Drilled Shaft Foundations
Tue Jan 24	Sustainable Stormwater Hydrology: Concepts to Reduce Hydrologic Footprint

Tue Jan 24	Negotiating Better Engineering and Architectural Contracts
Wed Jan 25	Geosynthetic Reinforced Mechanically Stabilized Earth Walls
Wed Jan 25	Structural Building Condition Surveys: Looking for Trouble
Thu Jan 26	Route Planning and Street Operations of Light Rail Systems
Fri Jan 27	Strengthening Considerations for Building Additions
Mon Jan 30	Structural Considerations for Building Additions
Mon Jan 30	An Introduction to the Design of Erosion Control Measures Using Riprap
Tue Jan 31	Structural Design of Steel Stairs and Rails
Tue Jan 31	Estimation of Unsaturated Soil Properties for Shear Strength and Volume Change Applications

SMARTBRIEF BY ASCE

ASCE SmartBrief is a FREE e-mail news service that summarizes the day's most important news as it relates to civil engineers. Each day, ASCE SmartBrief delivers:

- Links to stories that matter, selected from hundreds of top news sources.
- Summaries of articles relevant to you, handpicked by SmartBrief's editorial staff.
- Wireless functionality for mobile readers.
- The latest information from ASCE.

ASCE SmartBrief is available at no cost to you. Please visit www.smartbrief.com/asce for information on how to sign up.

*A note to professionals/employers:
We would like to inform others about your current projects and plans. If you are interested in writing a short segment on your recent work, please contact Laura Ripley at vtascenewsletter@gmail.com for more information.*

JOB OFFERINGS



BRIDGE ENGINEER

A minimum of 5-10 years experience in the evaluation, planning, design, and construction administration of Federal, D.O.T., and municipal bridge projects and programs. Experience with AASHTO, NHDOT, and VTrans standards a plus. P.E. required or ability to obtain. Position available in Nashua, N. H., Randolph or Williston, VT.

Competitive salary; excellent fringe benefit program; ESOP Company.

Visit our website at <http://www.dubois-king.com> for more information about advertised positions and DuBois & King, Inc.

Send resume to: DuBois & King, Inc., P.O. Box 339
Randolph, Vermont 05060 Fax: 802.728.4930
Email: rgoodall@dubois-king.com

-EEO

3) SENIOR MECHANICAL ENGINEER

Responsible for supervision and direction of daily activities of Mechanical Engineering Department of firm's Building Services Division located in Williston, Vermont. Includes project planning, design and AutoCAD drawing, management and inspection phase duties in wide range of mechanical engineering related functions for commercial, industrial, institutional, healthcare, recreational and municipal projects. Project management responsibilities include client relations, project scheduling, budget and contract administration; key participation in developing project workload for Mechanical Engineering Department. PE required. LEED AP preferred. Commissioning a plus.

Competitive salary; excellent fringe benefit program; ESOP Company.

Visit our website at <http://www.dubois-king.com>

Send resume to: DuBois & King, Inc.
P.O. Box 339
Randolph, Vermont 05060
Fax: 802.728.4930
Email: rgoodall@dubois-king.com

4) SENIOR DAM ENGINEER/PROJECT MANAGER

DuBois & King, Inc., a full service consulting engineering firm is seeking a Senior Dam Engineer / Manager with

approximately 5 to 15-years (or more) of experience. This is a full time / full benefits senior engineering position in our busy and growing Dam Engineering Group, which is located in our Randolph, Vermont office.

Duties include (but not limited to) the safety inspection, evaluation, planning, design, plan development, technical specification preparation of contract documents, and construction inspection of dam projects. Technical experience in geotechnical / foundations, structural concrete, earth embankments is required. Related experience in hydrology & hydraulics, permitting, hydroelectric facilities is a plus.

Experience with applicable dam safety design criteria and state / federal regulations, client interaction, meetings, construction cost estimating, AutoCad is desirable. VT / NH P.E. required or able to obtain within 6 to 12-months is required.

Send resume and salary requirements to:

DuBOIS & KING, INC.
28 North Main Street
P.O. Box 339
Randolph, VT 05060
802-728-4930 -Fax
Human.Resources@dubois-king.com
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E.O.E.

5) SENIOR PROJECT MANAGER/DEPARTMENT MANAGER

DuBois & King, Inc. is seeking to fill a key leadership position of a dynamic and growing environmental & water resources team consisting of planners, engineers and scientists in our Randolph office. The position involves the supervision and direction of daily activities of the firm's Environmental Documentation and Natural Resources Department and also for strategic future department planning and positioning.

Key activities within the department include (but not limited to): NEPA, Act 250 and Act 248, local permitting, stormwater analysis, design and management, river restoration, fluvial geomorphology, wetland identification and mitigation, hydrology & hydraulics and much more!

Key position responsibilities include: Project management, client relationships, scheduling, budget and contract administration, staff supervision / mentoring and training, meetings, public presentation and much more!

Professional registrations preferred include one of the following (or a combination); P.E., LEED AP, CFM and AICP. Company leadership opportunities exist for the right person. Competitive salary, excellent fringe benefit program; ESOP Company. EEO

If your company has any job openings, please submit them to Laura Ripley, VT Section Newsletter Editor at lripley@uvm.edu for a posting.

Company Directory



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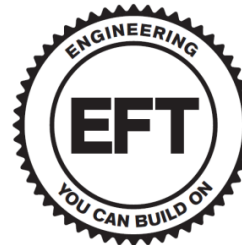
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