



**NATIONAL ENGINEERING AND GEOSCIENCE WEEK
ANNOUNCEMENT**

ok@apeg.bc.ca

Chair's Message

Bryan Brassington, P.Geo., *Chair*

Dear Branch Members,

National Engineering and Geoscience Week (NEGW) runs from February 27 to March 8, 2009. This year the Okanagan Branch is organizing and sponsoring several events in order to spread knowledge about engineering and geoscience in our region. Please see the event descriptions below and come on out to support us and bring a friend.



Warmest Regards,

Bryan Brassington, P.Geo.

**Okanagan Branch National Engineering and
Geoscience Week Speaker Series**
March 2, 3, 4 and 6, 2009 @ Various Locations

The Okanagan Branch has arranged four great presentations of engineering and geoscience within the Okanagan. Speaker series presentations will either be held at UBCO or the Kelowna Library, please check the descriptions below for the location. Doors open at 6pm and the presentation will start at 6:30pm. Light snacks and beverages will be provided and admission is by donation to the APEGBC Scholarship Fund (\$5 suggested).

See the descriptions below for more information or contact ok@apeg.bc.ca.

Monday March 2, 2009

Classifying Ecosystems in a Changing Climate – A Geoscience Perspective

By: Deepa Spaeth-Filatow, P.Geo.
Provincial Bioterrain Specialist, Ministry of Environment
Location: University of British Columbia Okanagan (UBCO)
Campus, Fipke Centre, Room 121, 6pm



Deepa will discuss the classification and management of ecosystems in the context of a changing climate and the linkages to geoscience. Unique ecosystems across BC's landscape are the result of organisms, climate, topography, substrate and time. As such, landform and surficial materials are an enduring driver of ecosystem, soil, vegetation and wildlife diversity in an ever



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changing environment. As our climate changes and our natural systems reorganize and evolve, what role will geoscience play in managing for ecosystem change?

Tuesday March 3, 2009

Current UBCO Engineering School Research Topics

Location: UBCO Campus, Fipke Centre, Room 121, 6pm

Four presentations for the price of one! This event will exhibit the current research being completed by the UBCO Engineering School Faculty and students. Anyone interested in cutting edge engineering should attend this event.

Presentations include:

- The Use of Fibre Reinforced Polymers (FRP) in Concrete Structures – Dr. Ahmad Rteil;
- Effect of Deteriorating Water Mains on Water Quality in Distribution Systems – Dr. Rehan Sadiq;
- Removal of Perchlorate and Nitrate from Drinking Water using a Combined Ion-Exchange/Biological Treatment System – Dr. Deborah Roberts; and,
- Earthquake Safe Adobe Construction in Peru – Andrea Bradshaw.

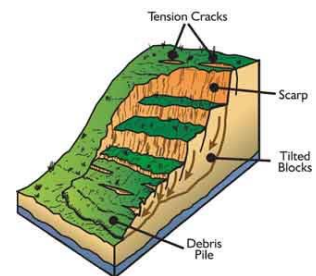


Wednesday March 4, 2009

2008 North Beach Rock Slide on Highway 97 (near Summerland BC)

By: Mr. Rampaul Dulay, AScT and Mr. Brent Beattie,
P.Eng.

Ministry of Transportation and Infrastructure
Location: Kelowna Public Library at 1380 Ellis Street, 6pm



The 160,000 m³ North Beach Rock Slide occurred on the afternoon of Oct 24, 2008 during a major four lane upgrading project for Highway 97 along Okanagan Lake. The rock slide forced the closure of Highway 97 about 6 km north of Summerland for about 3 weeks, causing serious disruption to traffic. The Ministry of Transportation and Infrastructure's Mr. Brent Beattie, P.Eng. and Mr. Rampaul Dulay, A.Sc.T., were both involved from the beginning and will give a presentation that will discuss the rock slide event and the challenges that developed and were addressed over the 20 day period that followed.



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Friday March 6, 2009

Highway 97, Winfield to Oyama – Planning and Design of a New Highway

By: Mr. Forrest Klotzbach, P.Eng.
Project Engineer, Urban Systems Ltd.
Location: UBCO Campus, Fipke Centre, Room 121, 6pm



Connecting the US border to the Trans-Canada highway, Highway 97 provides vital connectivity for regional and international trade through the Okanagan Valley. The existing section of Highway 97 between the communities of Winfield and Oyama is a narrow, windy, two-lane section of highway that suffers from safety, mobility and reliability issues. This presentation will discuss the route planning and design of the proposed highway improvements, scheduled for completion on the spring of 2012.

UBCO Campus Map – NEGW Speaker Series

Fipke Centre (in Red) Room 121





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5th Annual UBC Okanagan Engineering School Update Dinner

March 5, 2009

Pre-registration Required

[Register Online](#)

Dr. Tyneer Aboulnasr, the Dean of Applied Science at UBC along with Dr. Spiro Yannacoploulos, the Director of the UBCO School of Engineering, are scheduled to speak to the Okanagan Branch of APEGBC on Thursday, March 5, 2009. This is the 5th Annual UBCO Engineering School Update Dinner and the first time Dean Aboulnasr will be speaking to the branch. The presentation will cover the development and plans for the UBC Okanagan Engineering program, as well as an update on the status of the construction of the new Engineering building.



This event will be a dinner meeting, held at the Woodfire Conference Centre, which is part of the Best Western Inn on Highway 97 in Kelowna. Doors will open at 6 pm, with the buffet dinner starting at 6:30 pm, and the presentation will begin at 7 pm. A cash bar will be available in the meeting room. Pre-registration is required for this dinner meeting and can be completed online through the APEGBC web site, [Register Online](#)

The cost for online registration is \$35 for professional members and guests and \$30 for EIT's and GIT's. If you prefer not to use the online registration, you can register by emailing [Bryan Brassington](mailto:bbrassington@golder.com) (bbrassington@golder.com) however there is a \$5 cost increase for email registration. Deadline for Registration is March 1, 2009, and drop in registration at the door is not available for this event.

Come out to hear about the development of the Engineering program in the Okanagan, and enjoy the buffet dinner at the Woodfire Conference Centre. There will be opportunity to ask questions and provide input about the future of the Engineering program at UBCO following the presentation. Spouses are welcome. For more information regarding the dinner, contact [Bryan Brassington](#).

When: Thursday, March 5, 2009, doors open 6:00 pm, dinner at 6:30 pm, presentation at 7:00 pm;

Location: The Woodfire Conference Centre, at the Best Western Inn, 2400 Hwy 97 N;

Cost: Online Registration: \$35 for professional members and guests, \$30 for EIT's and GIT's; and, Email Registration: \$40 for professional members and guests, \$35 for EIT's and GIT's.



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2009 Okanagan College Spaghetti Bridge Contest

**26th Annual OC Spaghetti Bridge Contest
March 6, 2009 between 9:00 am and 3:00 pm**

The Okanagan Branch is pleased to again sponsor the OC Spaghetti Bridge Contest. Teams from as far away as Hungary come to Kelowna and compete to see whose bridge can support the most weight. Come on out on March 6th and cheer on the contestants as their hard work and creativity is put to the test before eventually exploding in a mess of spaghetti and glue. Safety glasses should be considered if you plan on sitting in the front row!



See the [Spaghetti Bridge Contest at Okanagan College](#) website for more information on this event.

2008-09 Okanagan Branch Executive

Your 2008-09 Okanagan Branch Executive is:

Bryan Brassington, P.Geo.
Chair,
Golder Associates Ltd.

Emily Sabo, P.Eng.
Treasurer,
Urban Systems Ltd.

Dale Pilling, P.Eng.
Member at Large,
Pilling and Associates Ltd.

Craig Merkl, Ph.D., P.Eng.
Past Chair

Jennifer Clarke, P.Geo.
Secretary,
Clarke Geosciences Ltd.

Murray Peart, P.Eng.
Member at Large,
Peart Engineering & Machine Ltd.

Martin Lindquist, EIT
Vice Chair

Carl Zanon, P.Eng.
Mentoring, Retired

Many thanks to **Mr. Darren Hove, EIT of Multi-Power Products** for his hard work in setting up the NEGW Speaker Series.

Volunteering

The branch is always looking for volunteers and the amount of time and effort required is entirely what you want to put in. Should you wish to participate please do not hesitate to contact us at ok@apeg.bc.ca.