



Professional Engineers  
and Geoscientists of BC  
www.apeg.bc.ca

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# The 4th dimension

Association of Professional Engineers and Geoscientists of BC  
Victoria Branch Newsletter  
www.apeg.bc.ca/vic

The September dinner meeting for the fall will be held on Thursday, September 29, 2005 in Haro Room at the Cadboro Commons Building, University of Victoria. Members are encouraged to attend to learn of the latest events from the Victoria Branch.

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### Speakers of the Month:

To start our new APEGBC season, we are pleased to present a timely presentation, for us West Coasters, especially in the context of the natural disaster playing out on the U.S. Gulf Coast.

Vic Levson has a Ph.D. in Quaternary Geology from the University of Alberta. He is a Director in Resource Development and Geoscience for BC Energy, Mines and Petroleum Resources and Adjunct Professor in Earth and Ocean Sciences at the University of Victoria.

Pat Monahan has a Ph.D. from the University of Victoria and has a local consulting company (Monahan Petroleum Consulting). He has extensive experience in petroleum and engineering geology and he is the senior author on the Victoria earthquake hazard map series.

The title is: **'Living on the Edge: Earthquake Assessment in the Victoria Area'**.

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## Events Details

**When:** **Thursday, September 29, 2005:** Social at 5:30 pm; Dinner at 6:30 pm

**Where:** **Haro Room**, Cadboro Commons Building, University of Victoria

For directions and maps to the University of Victoria, link to <http://www.uvic.ca/maps/index.html>.

To find out where Cadboro Common Building is on campus, link to <http://www.uvic.ca/buildings/ucl.html>.

Parking is free of charge after 6:00 pm Monday through Friday and all day on Saturday.

Parking permits may be purchased during the day from vending machines located at most Campus Entrances; also there is a limited number of metered spaces available in Lot 1, which is located close to the building.

**Cost:** **General Admissions** \$20.00, Students \$10.00.

**RCSP:** Please register in advance via the telephone answering service at **721-8896 by Tuesday, September 27**. Provide the name of those who you are registering and your telephone number. If you cannot attend after registration, please call **477-3046 by NOON** the day before the meeting and give notice of cancellation on the answering service. The branch pays for dinner for those who do not cancel. Friends, associates and partners are always welcome! If you cannot join us for dinner, please come and join us for the presentation.

## Upcoming Events

### APEGBC, Victoria Branch

Victoria Branch dinner meetings are held the last Thursday night of every month from September to May excluding December. Meetings are usually held in the Haro Room of the Cadboro Commons Building, University of Victoria and start at 5:30 p.m.

The next dinner meeting is at the Haro Room of the Cadboro Commons Building, University of Victoria.

Everyone is welcome to attend the Branch Executive meetings held every first Monday of the month at 5:30 p.m. at the restaurant of the Cedar Hill Golf Course. The next meeting is scheduled for October 3, 2005.

### APEGBC

It is once again voting time! Do not forget to choose your representatives.

Candidates from Victoria include Sharlie Huffman (running for Vice-president), P.J (Jan), Buermans (running for Councillor).

### APEGBC Annual Conference & AGM

This is the Association of Professional Engineers and Geoscientists of BC's premiere professional and social event. Members are encouraged to attend the 86<sup>th</sup> Annual General Meeting. Vancouver Airport Conference Resort, Richmond.

## The Lighter Side



Source: *Times Colonist* Sept. 2-0

## What is New?

Many of us are interested to know the latest applications for flexible electronics, a technology making use of plastic and “bottom-up” chemistry. According to the August 20<sup>th</sup>-28<sup>th</sup> issue of the *Economist*, researchers at the University of Tokyo are taking a step forward towards providing a kind of synthetic skin or “E-skin”. The team has fabricated flexible webs of plastic with embedded organic transistors and temperature and pressure sensors for use as “E-skin” for robots. The key to the team’s technique is the use of transistors made from organic semiconductors. While these transistors are not as good as their inorganic cousins for high performance computing, they can be deposited onto plastic bases that would melt if traditional semiconductors were used. To prove that the “E-skin” works, the group stretched it to cover the top half of an egg and kept a copper block at a temperature of 50 °C against it. They were able to obtain simultaneous images of both the temperature and pressure distribution “felt” by the skin. The researchers point out sensors for such things as humidity and ultrasound could also be embedded in the webs.

Source: *Economist*, August 20<sup>th</sup> -28<sup>th</sup> Issue.

## Have Your Say!

Do you like our format? Do you have concerns or comments you like to voice? We love to hear from you and welcome any contributions to this newsletter, humorous or otherwise. The deadline for submissions to the next newsletter is September 30, 2005. Please send them to Harry Kwok, University of Victoria at [hkwok@ece.uvic.ca](mailto:hkwok@ece.uvic.ca).

### Advertisements

While APEGBC – Victoria Branch is not in a position to endorse advertisements, we do provide them as a service to our members. The advertising rates are \$200 for eight continuous advertisements and \$30 for a single advertisement.

## Victoria Branch Executives

Chair	
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