



# The 4th Dimension

Association of Professional Engineers and Geoscientists of BC  
Victoria Branch Newsletter  
[www.apeg.bc.ca/vic](http://www.apeg.bc.ca/vic)

October 2004

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## This Month's Branch Dinner Meeting:

"Replacement Heart Valve Testing in Laboratory Models of the Heart"

Since the advent of open heart surgery over fifty years ago, defective heart valves have been able to be replaced with artificial devices. The presentation will describe laboratory products developed and manufactured by a small local company that are used to research the function of heart valves in simulated states of health and disease. The company evolved from earlier research activities carried out at the Royal Jubilee Hospital where a program to develop a replacement heart valve in the Cardiac Development Laboratory was initiated in 1973.

ViVitro Systems Inc. was incorporated in 1984 by the co-owners Lawrence Scotten and David Walker. Today, the company provides valve testing products and services globally to support the research, regulatory and production requirements of universities, medical device manufacturers and International regulatory agencies.

## This Month's Speaker Bio: Lawrence Scotten

Lawrence Scotten was born in Calgary, Alberta and received a Diploma of Technology from the Northern Alberta Institute of Technology in Electronics Engineering Technology in 1965. He has co-invented and holds patents related to replacement heart valves and has co-authored several papers related to heart valve technology. He has had a broad industrial and research experience in the fields ranging from cardiovascular system dynamics and heart valves, shock wave physics, high speed photography, spectroscopy and astronomy, oceanography, and industrial combustion control while working for organizations such as the Defence Research Establishment-Pacific, Physics Departments at the University of Victoria and University of Alberta, Aanderaa Instruments Ltd., Bailey Meter Ltd., Cardiac Development Laboratory and is presently co-owner and Director of ViVitro Systems Inc.

## Event Details

**WHEN:** Thursday, October 28, 2004; Social at 5:30 pm; Dinner at 6:30 pm; Presentation at 7:45

**LOCATION:** Haro Room, Cadboro Commons, University of Victoria

- To find out where Cadboro Commons is on campus, link to:  
<http://www.uvic.ca/buildings/com.html>

<b>COST:</b>	Advanced Registration	\$20.00
	At the Door	\$25.00
	Students	\$10.00
	Presentation Only	\$5.00

## REGISTRATION:

Please register in advance via the telephone answering service at 721-8896 by TUESDAY, October 26, 2004. Provide the names of those whom you are registering and your telephone number. If you cannot attend after registering, please call 477-3046 by NOON the day before the meeting and give notice of cancellation on the answering service. The branch must pay for dinners for the no-shows. If you cannot attend the dinner, please join us for the presentation.

APEGBC Victoria Branch

c/o Falcon Engineering Ltd.

626A Fisgard Street

Victoria, BC V8W 1RC

## Meetings Around Town

### ASHRAE, Vancouver Island Chapter

Please check the ASHRAE, Vancouver Island Chapter for upcoming meetings [[www.ashrae.bc.ca/vi.htm](http://www.ashrae.bc.ca/vi.htm)]

### Canadian Geotechnical Society (CGS)

Meetings are normally held the third Friday of each month from September to May, excluding December. Please see the website for details: <http://www.cgs.ca/english/reg-div/vic-loc.html#news>

### Engineering Institute of Canada (EIC), Vancouver Island Branch

For more information, on the next EIC Vancouver Island branch meeting, please link to:

<http://civil.camosun.bc.ca/vib-eic/>

### Institute of Transportation Engineers (CITE), Vancouver Island Section

The September meeting is in Victoria at Travelers Inn (Between Douglas and Blanshard on Discovery St), Thursday Oct. 28th at 11:45am. At the meeting there will be an update on CITE Activities and Projects including the Sustainable Development and Saturation Flow Projects, and afterwards, a presentation on "Saving Motorists Saving Wildlife". Details are on the website [www.citebc.ca](http://www.citebc.ca).

## Advertisements

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