



**Canadian Society for Senior Engineers  
Canadian Society for Engineering Management  
Member Societies of the Engineering Institute of Canada**



**WINTER - SPRING 2010 PROGRAMME**

**TO ALL MEMBERS Vancouver Branch**

We invite you to take part in the following monthly Luncheon Meetings held under the auspices of the Vancouver branches of the **CANADIAN SOCIETY for SENIOR ENGINEERS**, and the **CANADIAN SOCIETY for ENGINEERING MANAGEMENT** - both being Member Societies of the **ENGINEERING INSTITUTE OF CANADA**, a National Federation of Member and Associate Societies including the CSEM, CSCE, CSME, CGS, CMBES, CSChE, CSECE, CNS, IEEE (Canada), CSSE, CDA, plus 56 Associate Industrial Societies. All members of the Member Societies of the **EIC** and members of the **APEGBC** are cordially invited. Guests are most welcome. Reservations are required.

**WHERE:** The Sutton Place Hotel 845 Burrard Street, Vancouver, B.C.

**TIME:** Assemble at 11:30 am; Lunch at 12:05; Speaker at 12:35; Finish at ~1:30 pm

**COST:** EIC and APEGBC members: \$40.00 Cash or cheque (no credit or debit cards)  
Non members: \$45.00 Tax included. Guests welcome.

**RESERVATIONS:** Gordon Lindsay: 604-731-4509 \*\* before Tuesdays at 12pm \*\*  
Sharon Finnerty: 604-888-4429 or E-mail: finnerty@telus.net

- **NOTE:** If you reserve and have to cancel, **please let us know!!** We are committed to catering ordered by Tuesdays at 12:00 noon. Unfortunately any 'no shows' necessitate an extra hotel charge!

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<b>Contacts:</b>	<b>Aidan Gordon CSEM</b>	<b>(604) 324-2441</b>	<b>E-mail: aidan@gordoncrane.com</b>
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	<b>John Wood, P.Eng. President CSEM</b>		<b>E-mail: woodjohn@telus.net</b>

*\*Please be sure to give Sharon your e-mail address so that we can better make you aware of any schedule changes\**



**2010 REMINDER - WE ARE RUNNING BEHIND IN DONATIONS THIS YEAR:**

In order to support branch efforts to keep Members and guests informed of coming activities (mail & phone reminders), I enclose my \$20.00 donation for the local CSSE/CSEM - EIC Luncheon Programme.

Please make cheques payable to **EIC Vancouver Branch**. Bring your cheque **along with this slip** to our next luncheon or mail to: EIC, Gordon Lindsay, P.Eng., FEIC at 2026 West 14<sup>th</sup> Avenue, Vancouver, BC V6J 2K4.

Name: \_\_\_\_\_

Address: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Phone: (o) \_\_\_\_\_ (h) \_\_\_\_\_ E-mail: \_\_\_\_\_



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**MARCH 04, 2010      THE RAPIDLY CHANGING WORLD OF HIGH-PERFORMANCE TUGBOATS**  
**Robert G. Allan, P.Eng., FRINA, FSNAME - Robert Allan Ltd.**

In the past decade or so, the role of the tugboat worldwide has changed dramatically. Although the tug's fundamental harbour towage role remains relatively unaltered from even a half-century ago, the modern tug, with much more power and fully-azimuthing propulsion is a very different machine than its forebears. However the biggest changes, in the wake of the Exxon Valdez" and similar oil-spill incidents, has been the development of a completely new class of tanker escort and offshore terminal support tug which is capable of providing exceedingly high forces at higher speeds to mitigate the risk of tanker groundings in the event of a propulsion or steering failure. The advent of LNG terminals in exposed sea conditions has led to a requirement the quantification of tug performance in 2.5-3 metre seas. These two requirements have fortuitously been met with unique new hull form developments conceived by the Author's company. Robert Allan Ltd., of Vancouver has been at the forefront of the development of these new Escort Tugs worldwide, with a significant proportion of the very active world market. Mr. Allan will provide an insight into these new roles of the tugboats, and the design developments that have occurred.

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**APRIL 01, 2010      BACK TO THE FUTURE - WHAT DO WE KNOW NOW THAT WE DID NOT KNOW THEN?**  
**Penny Cochrane, Strategic Planner & Energy Analyst - Willis Energy Services**

Almost 60 years ago WAC Bennett began a journey to realize his vision of opening up the interior of this province to build new BC communities and businesses, using natural resource development as the economic base to attract a growing population. He embarked on his famous two rivers policy, initiating a major expansion of the electricity supply infrastructure throughout the province. That legacy continues to drive energy policy and acquisition of new electricity supply today. Climate change policies, growing regional demand for clean energy, and the potential to acquire what some view as unlimited renewable energy resources became the backdrop to the province's decision in Fall 2009 to set up four stakeholder task forces to review and suggest policies on new electricity supply procurement and regulatory reform, carbon trading, community engagement, and First Nations issues.

The taskforces have now reported back to Cabinet and as stated in the February 9, 2010 Throne Speech, we will be seeing an overhaul of Clean Energy Policy and new enabling legislation for development and expansion of renewable energy projects in the upcoming legislative session. Our speaker, Penny Cochrane, a demand-side energy management consultant from Willis Energy Services, will provide us with her comments on the impact of the proposed policies and legislation on BC's electricity supply. At Willis Energy she deals with the strategic planning and regulatory issues for utilities and IPP's and participates in BCUC hearings for her clients. Earlier in her career she was with BC Hydro's Strategic Planning group and involved with the introduction of Power Smart. The provincial budget will come down the week preceding our lunch and when coupled with the Throne Speech, will make this a timely presentation and discussion.

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**MAY 06, 2010      SPEAKER & TOPIC TO BE ANNOUNCED LATER BY E-MAIL AND TELEPHONE,**  
**AND AT THE MARCH AND APRIL LUNCHEONS**

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**\*\* OUR LUNCHEON ATTENDANCE NUMBERS ARE STILL LOW \*\***  
**\*\* PLEASE SHOW YOUR SUPPORT - BRING A FRIEND, GUEST, COLLEAGUE OR NEW MEMBER \*\***