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IEEE VANCOUVER Teachers In Service Program (TISP)

Become part of a greater cause in your local community

IEEE Vancouver invites its members to join the IEEE Vancouver Teachers In Service Program (TISP) committee and be part of the efforts to enhance the level of technical literacy of teachers and students in our local pre-university education system. TISP facilitates bringing together IEEE members (engineers from industry and academia) and local elementary and secondary school teachers.

The practical objective of these workshops is to provide teachers with additional science and technology background knowledge, materials and support. This in turn helps the teachers implement interesting and enhanced science and pre-engineering classroom activities and projects as part of their curriculum.

IEEE HQ coverage of TISP is available here:

http://www.ieee.org/education_careers/education/preuniversity/tispt/index.htm

IEEE has developed a set of pre-defined lesson plans in pre-engineering science and technology, categorized by subject and student age that teachers can implement in their classes - see: <http://tryengineering.com/lesson.php>. In our local workshops our IEEE volunteers will work through some of these lesson plans with the teachers.

IEEE Vancouver and IEEE Canada are planning a TISP workshop in Vancouver in May 2013 where teachers and participating volunteers will learn more about the program, meet with local IEEE members, and work in teams on implementing some of the lesson plans. We are hoping to have teachers and IEEE members from the greater Vancouver, Seattle and Alberta areas involved in this initiative. If you are interested in participating in TISP activities and the workshop please write to IEEE Vancouver treasurer, Steven McClain stevenmclain@ieee.org.



Joint BC Hydro/IEEE Industry Applications Chapter Event

“Meet and Learn” - technical society reporting out session - IEEE/AEIC

September 27, 2012 - 4:30pm to 6:00pm
Skytrain Room - BC Hydro's Edmonds Office
6911 Southpoint Drive, Burnaby, BC

The IEEE Vancouver Section Industry Applications Society Chapter and BC Hydro Office are pleased to co-sponsor this technical society reporting out event. The purpose of this event is to share and transfer knowledge gained from attending technical society meetings, conferences, etc. with others in the profession. The presentations to be made at this event are from members of the IEEE Rotating Equipment, Excitation and Hydroelectric Subcommittees, plus from a member of the Electric Power Apparatus Committee of the Association of Edison Illuminating Companies (AEIC). The two IEEE presentations will review the history/background of the topic covered at the technical meeting, the current state of the art of the topic, the relevance of the key lessons learned, and the value to the power industry and utilities. The third presenter will report out on three new high voltage power transformer suppliers who are installing or have installed new manufacturing facilities in North America. Each presentation will be 30 minutes long. Please come and meet with colleagues on topics relevant to the power industry. Food and refreshments will be provided. Registration is encouraged and the event is free-of-charge.

4:30 - 5:00 pm: “IEEE PES Excitation and Hydroelectric Subcommittees - BC Hydro Participation” by Dave Apps



Dave Apps of BC Hydro will report out on his attendance of the 2012 IEEE PES General Meeting. At this meeting Dave attended various meetings associated with power plants and he will cover the highlights of these meetings, much of which are not available from vendors or well covered in trade journals.

Dave is a Principal Engineer responsible for the P&C/Telecom area at BC Hydro with 31 years of experience in this area. He is also BC Hydro's representative on the Excitation and Hydroelectric Subcommittees of IEEE. Dave is a senior member of IEEE and chairs or participates in several IEEE PES standards working groups. In addition, Dave has published technical papers for IEEE, CEA, Hydrovision and Waterpower, plus presented various courses. He is also a registered as a Professional Engineer in the province of BC.

5:00 – 5:30 pm: “IEEE Electric Machinery Committee - Status Update“ by Amir Khosravi



Amir Khosravi is a member of the Electrical Machinery Committee of IEEE and he will provide an update on the generator related standards this IEEE committee is working.

Amir is a Specialist Engineer in Generation Engineering of BC Hydro with 28 years of industry experience in the Transmission, Distribution and Generation areas. He has a master's degree in electrical power and a PhD in system automation from Waseda University in Tokyo. He is also BC Hydro's representative on the Electric Machinery Committee of IEEE and is registered as a Professional Engineer in the province of BC.

5:30 – 6:00 pm: “AEIC EPAC - New Power Transformer Plants in North America” by Bob Stewart



Bob Stewart of BC Hydro will report out on his attendance of the spring 2012 Electric Power Apparatus Committee (EPAC) meeting of the Association of Edison Illuminating Companies (AEIC). At this meeting three high voltage power transformers suppliers presented on the new or proposed manufacturing facilities in North America and one provided a site visit. Bob will share information and observations learned from these presentations and site visit on these three new manufacturing facilities from a technical perspective.

Bob is a Principal Engineer responsible for the Electrical area at BC Hydro with 31 years of experience in the Transmission, Generation and Distribution areas. He is also BC Hydro's representative on the Electric Power Apparatus Committee of AEIC. He is a Senior IEEE member and is registered as a Professional Engineer in the province of BC.

Please contact Bob Stewart of BC Hydro at bob.stewart@bchydro.com or Jahangir Khan, IAS Chapter Chair at jahangir.khan@powertechlabs.com if further information is required.



The IEEE Vancouver social event this year is a bowling event at REVS bowling facility in Burnaby.
<http://www.revs.ca/revs-burnaby/>

5502 Lougheed Highway, Burnaby
just besides the Holdom SkyTrain station

Saturday 10 November
6:00pm - 8:00pm

Parking is not free but the ticket can be validated towards a future bowling purchase.
Or if you use the SkyTrain who needs to park?



*Only \$20
per person*



Candidates for IEEE Vancouver leadership positions for 2013

A slate of candidates has been nominated and approved by the 2012 executive committee. The positions include section, subsection, chapter and affinity group officers. The complete slate showing all elected positions and currently approved candidates is available at:

<http://vancouver.ieee.ca/election2013/2013-Election-Nominations>

If you are interested in running for an elected position in the 2013 elections, now is the time to submit your name to the Vancouver section nominations committee as a petition candidate.

You may run as a petition candidate by submitting your name and meeting the requirements for petition candidates as outlined in

IEEE Vancouver's bylaws and IEEE bylaws and policy, see <http://vancouver.ieee.ca/section-bylaws>.

The deadline for petition nominations is 15 October 2012

If you meet the criteria for petition nomination, your name will be placed on the election ballot with the candidate(s) nominated and approved by the 2012 executive committee.

For more information about petition procedures and to submit your name by the 15 October 2012 deadline, please contact Mazana Armstrong at mazana.armstrong@ieee.org.

Thank you for your participation in IEEE Vancouver's election process.

Tuesday 02 October 2012 is

IEEE DAY

How will you celebrate IEEE Day?

Vancouver IEEE PES - Power and Energy chapter
is organizing a cake cutting function
in celebration of IEEE Day

You're invited to drop in and enjoy the celebration
between 230 and 300pm on
Tuesday 02 October 2012
Sixth floor conference room (adjacent to Site-C kitchen)
Bentall IV, 1055 Dunsmuir Street, Vancouver

Web team volunteers needed!

Our section website is an important part of IEEE Vancouver's communications strategy and we have ambitious plans for improvements and enhancements.

We are seeking volunteers to join its web team. They will be involved in: • web master and admin functions; • content management / production; and • design / implementation of new functionality.

The website is currently based on Drupal and PHP, so some roles will suit volunteers with skills and interests in these areas. Training will be provided for volunteers wishing to grow new skills, to tackle new challenges, and to take on new responsibilities.

To get involved with IEEE Vancouver's web team, please contact Communications committee chair, Pieter Botman at [<p.botman@ieee.org>](mailto:p.botman@ieee.org)



THE IBM/IEEE SMARTER PLANET CHALLENGE: STUDENT PROJECTS CHANGING THE WORLD COMPETITION

The competition is open to college and university students from all geographic locations.

[Submission Deadline: 1 November](#)

IBM and IEEE are in search of creative team-based student projects that can help students at any level learn about applying engineering, science and other disciplines to solve real world problems. It's a great opportunity to put your engineering skills to use... and earn cash prizes too!

To find out more about this exciting opportunity, visit:

www.ieee.org/go/smarter_planet_challenge or email smartplanetchallenge@ieee.org.





UNBC



The UNBC DEPARTMENT OF COMPUTER SCIENCE AND IEEE NBC

Invite Faculty, Students, Staff
and the Public to attend the
following presentation:

Smart Condo: A Sensing Platform and Evaluative Tool for Independent Living

Dr. Eleni Stroulia

**Professor and NSERC/AITF
Industrial Research Chair on
Service Systems Management
(w. support from IBM) with the
Department of Computing Science
at the University of Alberta.**

**Friday,
October 05, 2012**

10:30am – 12:00pm

Room: 8-166

The anticipated increase in the world population, people's desire to live at home for as long as possible and the shortage of health-care professionals make the need to develop technological supports for people with chronic yet manageable conditions to monitor and take care of their own health. In our work in the Smart Condo, we are developing a sensor-based infrastructure for non-intrusively monitoring people at home and analyzing the collected data to extract information about their activities. The inferred activities can be simulated in a virtual world (OpenSim) and visualized through a web-accessible interface. The platform is also equipped with a simulation component, which enables us to comparatively study alternative deployments. In this presentation, we review our technology and research methodology and we report on the findings of a first feasibility study with two participants at the Glenrose Rehabilitation Hospital.