



## Vancouver Geotechnical Society

A Local Section of the Canadian Geotechnical Society

[www.v-g-s.ca](http://www.v-g-s.ca)

### 2013-2014 Executive Committee:

Chair	-Ryan Mills, Tetra Tech EBA	604-685-0275
Past-Chair	-Andrea Lougheed, Thurber	604-684-4384
Program Director	-Ali Amini, NAGL	604-984-0759
Treasurer	-(Kumar) S. Sriskandakumar, BGC	604-684-5900
Secretary	-Chris Longley, Stantec	604-436-3014
Registrar	-Robyn Barnett, Tetra Tech EBA	604-685-0275
Web Manager	-Marc Bossé, Thurber	604-684-4384
CGS Director	-Jason Pellett, Tetra Tech EBA	604-685-0275
Member-at-Large	-Carl Kelman, Levelton	604-278-1411
Member-at-Large	-Mike Hopson, Nilex	604-420-6433

## NOTICE OF UPCOMING AGM & DINNER PRESENTATION

THURSDAY, SEPTEMBER 18, 2014

**SUBJECT:** (1) Annual General Meeting & Election of Executive Members for 2014/2015

(2) Technical Presentation:  
Selection & modification of time histories for Southwestern, BC

**SPEAKER:** Tuna Onur, PhD  
Seismic Hazard and Risk Consultant

Based in Victoria, British Columbia, Dr. Onur works as a seismic hazard and risk consultant. She is currently serving on the National Building Code of Canada's Standing Committee on Earthquake Design. Previously, she worked for six years as a lead catastrophe risk modeller for Risk Management Solutions, Inc. in California. Prior to joining RMS, Dr. Onur conducted earthquake hazards research with the Geological Survey of Canada. She holds a PhD in structural engineering from the University of British Columbia.

**CONTENT** Southwestern BC is situated in the Cascadia Subduction Zone and can be impacted by three distinct types of earthquakes: Deep earthquakes in the subducting Juan de Fuca Plate, shallow crustal earthquakes in the overriding North America Plate and giant earthquakes (Mw~9.0) at the interface of the two plates. Probabilistic seismic hazard assessments that form the basis of design ground motions in Canada take into account all these sources of seismic activity to produce a uniform hazard spectrum (UHS). After a brief overview of earthquakes in southwestern BC and calculation of design ground motions, this presentation focuses on various approaches to selecting and modifying time-histories to be compatible with the UHS. Related issues that are discussed include de-aggregation of hazard, use of artificial versus real records, sources of processed and unprocessed strong motion recordings that are appropriate for the tectonic setting in southwestern BC, and time-domain, frequency-domain and hybrid methods for scaling and modifying time-histories.

**DETAILS** **Executive Inn**, 4201 Lougheed Highway, Burnaby, BC V5C 3Y6 (Phone: 604-298-2010)  
**Social Hour:** 5:30 to 6:30 pm (drinks available at the hotel bar)  
**Annual General Meeting:** 6:30 to 7:00 pm

- Last year report, and
- Executive members elections (See the Nomination form next page)

**Technical Presentation:** 7:00 to 8:00 pm  
**Dinner:** 8:15 pm (\$30 will be charged for dinner)  
**RSVP:** Dinner reservation to ali.amini@shaw.ca or to Robyn Barnett at the door



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## CALL FOR NOMINATIONS – 2014/2015 VGS EXECUTIVE

Nominations are requested for six elected positions on the Vancouver Geotechnical Society (VGS) Executive. Nominations will be accepted up to and including the day of the election, which will be held at the VGS Annual General Meeting in September. Positions and responsibilities of the elected officers are:

Chair	Set executive meeting agenda; chair executive meetings and general member’s meetings; liaise with CGS Regional Director; prepare annual report.
Secretary	Prepare and distribute executive meeting minutes; act as Chair in his/her absence; chair VGS Award selection committee.
Treasurer	Organize all financial matters; sit on Symposium Organizing Committee; prepare annual financial summary.
Program Director	Prepare general member’s meeting notices; book meeting venue; coordinate audio-visual equipment; organize monthly speakers.
Registrar	Update VGS membership and member’s professional Development Activity (PDA) databases; produce mailing labels as needed; coordinate email notices.
Web Manager	Update VGS Web page with notification of meetings, news, and executive committee member information.

All elected officers are expected to keep informed of the Society’s activities and to participate in the discussion and organization of matters coming before the Executive. Executive meetings are held as required, typically once every four weeks from September to June.

If you know of anyone willing to dedicate some time to the VGS and interested in running for one of the above elected positions, please complete and submit the nomination form below.

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### NOMINATION FORM

I \_\_\_\_\_, a member of good standing with the Vancouver Geotechnical Society, nominate \_\_\_\_\_ for the position of \_\_\_\_\_ for the 2014/2015 season.

Please email completed forms to: Ryan Mills; [Ryan.Mills@tetrattech.com](mailto:Ryan.Mills@tetrattech.com), Tel.: 604-685-0275