



# CSEG Foundation

## 2013 CSEG Student Outreach Newsletter Fall Edition

### CSEG Student membership

Written by Mohamed Sameen, Student, University of Calgary

A CSEG student membership is a great way for students to kick-start their involvement in the geophysics industry. Student members gain the opportunity to expand their knowledge of the geophysics industry through technical talks and workshops offered by CSEG. Networking opportunities are also available through annual events such as the Junior Geophysicist Forum, GeoSkills, and the Geophysics Industry Field Trip. The CSEG is very pleased to announce that CGG has generously agreed to sponsor the 2014 CSEG student memberships. This allows students to become CSEG members at no cost to them. If it were not for our company sponsors, such as RPS in 2013 and CGG in 2014, our abilities to spread the good fortunes through the CSEG foundation membership would not be possible. If interested in a CSEG student membership or would like to learn more please visit the CSEG website at <http://cseg.ca/students/cseg-student-membership>.

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### CSEG Foundation Mentorship Program 2013/2014

Written by Jessa Lee, Geoph. I.T., Apache Canada Limited

The strength of our industry is based on the proper development of the next generation of professionals. With that in mind, it is the goal of the Mentorship program to pair one student and one working geophysicist -- a mentorship pair. Mentorship pairs meet over coffee or lunch, exchange emails, go to CSEG luncheons and spend time developing the students understanding of both their science and their future position within the industry. It is our hope that this relationship can be the start of a strong network for young students, as well as an opportunity to learn more about the hard and soft skills necessary to be a successful professional.

The 2012/2013 Mentorship program was the most successful one to date. Our achievement is thanks to the hard work of all our contributing mentors alongside the organizing committee. In 2012 we saw our mentorship pairings increase from 23 to 46 pairs. On January 30<sup>th</sup> we held our second annual Mentor Workshop. Feedback from the workshop was positive and the organizing committee was able to get valuable information on ways the program can be improved. We also had a successful wrap-up event in April where mentorship relationships were celebrated.

The new school year has arrived and a new season of the Mentorship Program with it. We have some great new events planned for this year, including a Mentee Workshop. Each year we have improvements and new resources offered based on the feedback from our mentor and mentee participants. We will be kicking off the season with new pairing this September. If you are interested in participating as a student for the 2013/2014 school year, go to <http://cseg.ca/students/geophysics-mentorship-program> for information on how to apply and send in your application without delay!

If you have any additional questions please contact the Mentorship Committee at [mentorship@cseg.ca](mailto:mentorship@cseg.ca)

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## CSEG Travel Grant and Learning Subsidy Program

Written by Kevin Bianchini

Looking to travel to a convention, learning opportunity or host an educational event? You should read this article.....

In 2013 the **CSEG Foundation Travel Grant and Learning Subsidy** has allocated over \$17,000 for students to travel and attend events such as the CSEG Convention, CSEG Symposium, GIFT, the SEG Annual Meeting, geophysical workshops, geological field trips, and WUIGC. So if you plan on travelling to or hosting a geophysics based learning event where you could use funding – please apply!

The **CSEG Foundation Travel Grant and Learning Subsidy** requests must be received on or before the first day of February, April, June, September, October and December. In order to receive a grant for yourself or your group, you must apply at the deadline which occurs *before* your event in order to get approval for funding before you go. Plan ahead and be prepared for these deadlines, and you will have a better chance at capturing some funds for your endeavour.

The **CSEG Foundation Travel Grant and Learning Subsidy** has a mandate to fund great learning opportunities for students, so don't miss out on this opportunity for funding!

Interested? Check out the CSEG Foundation page at: <http://cseg.ca/foundation/>

Check out our funding guidelines at: <http://cseg.ca/assets/files/foundation/CSEG-Foundation-Funding-Guidelines.pdf>

**FILL** out the application at: <http://cseg.ca/assets/files/foundation/CSEG-Foundation-Funding-Application.pdf>

Please feel free to email the funding committee at [foundationfunding@cseg.ca](mailto:foundationfunding@cseg.ca) if you have questions.

## Junior Geophysicists Forum- JGF

Written by Jessica Baldwin, Geoph. I.T., Encana

The 11th installment of the Junior Geophysicists Forum (JGF) will take place from 5-8pm on October 29<sup>th</sup>, 2013. The JGF is a great opportunity for students and junior geophysicists to network with experienced members of the industry. The speaker this year will be the very accomplished, very interesting, Elaine Honsberger, Chief Geophysicist at Husky Energy. This is a great networking event, last year we were graced with a turnout of about 130 geophysicists, ranging in age from 18-75. Registration is free and available on the CSEG events website. Location to be announced.

Hope to see you all there!

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## TWAVE 2013

Written by Aaron Foyer, Geoph. I.T., Talisman Energy

Unfortunate timing, on the original date of the T-wave golf tournament, the Inglewood golf course was a little wet (i.e. submerged beneath the Bow River). However, with some quick improvisation by the committee, the rescheduled T-wave took place on August 28th at the River Spirit Golf Club. The tournament was, overall, a resounding success and we are looking forward to next year's event. The T-wave committee has already begun planning, and has secured August 13th, 2014 as our date. Well outside of flood season. Pen off your calendars. This one is going to be wild.

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## CSEG Luncheon Tickets for Students

Written by Brad Ohler, Geoph. I.T., Shell Canada

For many years, generous corporate sponsors have donated free tickets for the monthly CSEG Technical Luncheon to students studying at the U of C and SAIT. These luncheons are an effective way for students to keep current with the ongoing trends in the geophysical community, network with industry professionals, and reduce the strain on their meal budget (tickets are normally \$45). Students who are interested in attending should contact Laura Baird at the U of C ([labaird@ucalgary.ca](mailto:labaird@ucalgary.ca)) or John Fernando at SAIT ([john.fernando@sait.ca](mailto:john.fernando@sait.ca)) for tickets. For more information on past and upcoming luncheons, visit <http://cseg.ca/technical/category/luncheons/>.

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## WIUGC 2014

Written by Adrienne McDougall, President, WIUGC 2014 Organizing Committee

The University of Calgary and Mount Royal University are pleased to be hosting the 50<sup>th</sup> Annual Western Inter-University Geosciences Conference (WIUGC). The conference will be held at the Hyatt Regency Hotel in Calgary from January 2<sup>nd</sup>-4<sup>th</sup>, 2014. Last year's conference was held at UBC and was well attended. We hope to carry on this momentum for WIUGC 2014.

The conference will include an Industry Fair, student field trips, social events, a poster presentation session, and a technical talk series. During the technical talk series, students are able to present their research from graduate or undergraduate research projects and awards will be given to the best talks of the conference. The conference provides an excellent opportunity to meet with industry representatives as well as other geoscience students from across western Canada.

For the first time, WIUGC will be including a Challenge Bowl qualifier. Two-person teams may enter for the chance to represent their university at the national Challenge Bowl competition at the 2014 CSPG/CSEG/CWLS GeoConvention.

For more information about the conference, please visit our website at [www.wiugc2014.com](http://www.wiugc2014.com) or email us at [wiugc2014@gmail.com](mailto:wiugc2014@gmail.com). We hope to see you there!



WIUGC 2014 Planning Committee receives the mantle from previous organizers at UBC. (Left to right) Micaela MacDonald, Aaron Foyer (CSEG), Adrienne McDougall, Mike Smorodin (CSEG), Matthew Lennon, Dennis Ellison, Jordan Domin, Victor Hoang and Matthew Torriero. Missing: Zac Colbran, Mike Ostrzenski, Maverick Rae Cue.

# 2014 CSEG Symposium

Written by Lee Hunt, P. Geoph.

Please join us on March 6, 2014 for the third CSEG Symposium: a mission of interpretation.  
Calgary Telus Convention Centre

Last year, we welcomed students from two universities to the CSEG Symposium. The CSEG Symposium Committee would like to encourage students from all over the country to consider the Symposium as an industry-centric learning opportunity they should attend.

For over sixty years it has been the mission of the CSEG to promote and advance the art and science of exploration geophysics. Our work in exploration geophysics has always been an interdependent team effort. Whether we are researchers at universities, applied scientists at processing houses, data brokers, data acquisition professionals, data managers, processors, or interpreters, we all serve different aspects of a similar goal. Our goal, our connection, our common aim, is to produce the best interpretation possible. The interpretation is the end of a long road that we all walk a little way along. We are servants of a mission to estimate the truth about the earth. Interpretation is a task of such manifold complexity and non-uniqueness that it is at once objective science, business, and art. We carry it out as a team which includes business people, engineers and geologists. Our mission today requires us to integrate all of our efforts as we never have before. Ours is a mission of interpretation.

Join us on March 6, 2014 for the third CSEG Symposium at the Calgary Telus Convention Centre, where we will celebrate the art and science of interpretation with a series of value oriented case studies. The Symposium will also honour an interpreter whose experience spans much of the CSEG's history. John Boyd has an inimitable record as interpreter, entrepreneur, leader, mentor, scientist, and person of integrity. John will share his perspective on the CSEG, on the history of interpretation and on the problems that lie ahead of us.

The 2014 CSEG Symposium will strive harder than ever to be of practical business use to everyone involved in the field of exploration geophysics. The talks will be industry oriented and, in particular, will aim to measure value. The Symposium will also seek the participation of all of its attendees. Discussion, comments, and active sharing will be a cornerstone of the event. We will all play a part in the proceedings because we are all on the mission together. More information on this event will be posted to the CSEG website in the months to come. In the meant-time, feel welcome to contact any of our committee members if you have questions, comments, or ideas about participation including potentially speaking.

## Speaker proposals

The CSEG Symposium is an invited speaker event. However, the organizing committee would be pleased and honoured to consider any talk proposals for the Symposium. If you would like to participate as a speaker at the 2014 CSEG Symposium, please send your proposal to Amanda Knowles at [amanda.knowles@cnrl.com](mailto:amanda.knowles@cnrl.com). Your proposal should be in the form of a short abstract that should address the key criteria for CSEG Symposium talks: it should contain new materials, be a case study, have an industrial orientation, be educational, and measure value. Any connections to John Boyd or the mission of interpretation theme will be of interest to the Symposium Committee. The CSEG Symposium does not publish detailed abstracts or distribute talk materials. This can be an advantage in obtaining internal permission to give your talk. This also means that any submitted proposal will be kept confidential.

Please go to the CSEG website for more information on the CSEG Symposium:  
<http://cseg.ca/symposium/>

Registration and student travel assistance information will be posted in early December, 2013.

CSEG Symposium: please add that the 2014 CSEG Symposium will be on March 6th, and that we will focus on interpretive case studies. The 2014 honoree is John Boyd (right). We hope to have even more student attendees than in 2013.



## **CSEG Distinguished Lecture Tour- CDL**

The CSEG Canadian Distinguished Lecture (CDL) Tour is a national lecture tour sponsored by the CSEG Foundation and presented by a distinguished member of the Canadian Society of Exploration Geophysicists (CSEG). The goal is to promote the science and application of geophysics to those working with, studying, and interested in the science of geophysics and highlights a topic of current interest.

The target audience is primarily universities, students in particular, but also includes local geoscientists and CSEG members, and can even include the general public.

In 2012 / 2013, Don Lawton visited more than 26 institutions. The CDL Lecturer for 2013 / 2014 is Bernd Milkereit of the University of Toronto. Bernd's lecture will include analysis of stress and mining. Bernd will begin his Tour soon, so keep an eye out for his visit to your area.

<http://cseg.ca/education/view/seismic-imaging-in-the-presence-of-strong-contrasts>

### **2013 / 2014 CDL Tour Tentative Schedule (to be updated)**

Oct. 17: Ottawa, University of Ottawa and Carleton University  
Oct. 18: Sudbury, Laurentian University & CEMI (Centre of Excellence in Mining Innovation).  
Nov. 14: Vancouver, University of British Columbia  
Nov. 19: Edmonton, University of Alberta  
Nov. 21: Thunder Bay, Lakehead University  
Nov. 22: London, University of Western Ontario  
Jan. 24: Kingston, Queen's University  
Feb.4: Victoria, University of Victoria  
April 28: Calgary, CSEG Luncheon, Telus Convention Centre, 11:30 AM

## GAGGS/CSEG/EAEG Talks

Speaker	Theme	Date	Location	Time
David Gray	Eye-Openers from Re-Processing of Oil Sands Seismic Data	October 15 <sup>th</sup> , 2013	Science Theatres, ST127 University of Calgary 844 Campus Place NW Calgary, Alberta, T2N 1N4	4:00-5:00pm
Todd Bown	Listening downhole with light, fibre optics and DAS transforming the oil and gas industry	November 12 <sup>th</sup> , 2013	Science Theatres, ST127 University of Calgary 844 Campus Place NW Calgary, Alberta, T2N 1N4	TBA
Natalia Verkhovtseva	Fundamentals of microseismic processing	December 9 <sup>th</sup> , 2013	Science Theatres, ST127 University of Calgary 844 Campus Place NW Calgary, Alberta, T2N 1N4	TBA
Amanda Knowles CNRL	Missed Pay: The use of post stack inversion and spectral decomposition to delineate a potential missed oil pool	January 20 <sup>th</sup> , 2014	Science Theatres, ST127 University of Calgary 844 Campus Place NW Calgary, Alberta, T2N 1N4	TBA



Map Location: ST127 shown above

## **GeoSkills 2014**

Written by Adam Flynn, RPS Group

GeoSkills is a one-day geo-conference taking place at the Metropolitan Centre in Calgary on the 5<sup>th</sup> of February. This event features talks tailored to students by industry leaders as well as a student-industry mixer.

GeoSkills is an annual event organized by a joint committee of students from the University of Calgary, Mount Royal University and the University of Alberta. The goal is to bring quality speakers, students and industry professionals together for a day of learning, lectures and interaction.

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## **University Conferences- Fall 2013**

Written by Mike Smorodin, Geoph. I.T., Apoterra Seismic Processing Ltd.

The CSEG Foundation will be sponsoring and sending representatives to the following university student conferences this fall:

Canadian Undergraduate Physics Conference (CUPC): Oct. 17-20 at McMaster University, Hamilton, ON

Atlantic Universities Geoscience Conference (AUGC): Oct. 24-26 at St. FX University, Antigonish, NS

In sponsoring and attending these conferences, our mission is to educate students about careers in geophysics and to promote membership within the CSEG. Membership is free for students (sponsored by RPS in 2013 and CGG in 2014) and gives access to networking events, mentorship programs, scholarships, and travel grants. For more information on the CSEG Foundation and for links to scholarship/travel applications visit <http://cseg.ca/foundation/>.

In 2014, the CSEG-F will also be sponsoring the Western Inter-University Geoscience Conference (WIUGC) which takes place January 2 - 4 in Calgary and the Advances in Earth Science Research Conference (AESRC) which takes place mid to late March in Ontario. Stay tuned for more info!

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# CSEG Foundation Scholarship Updates

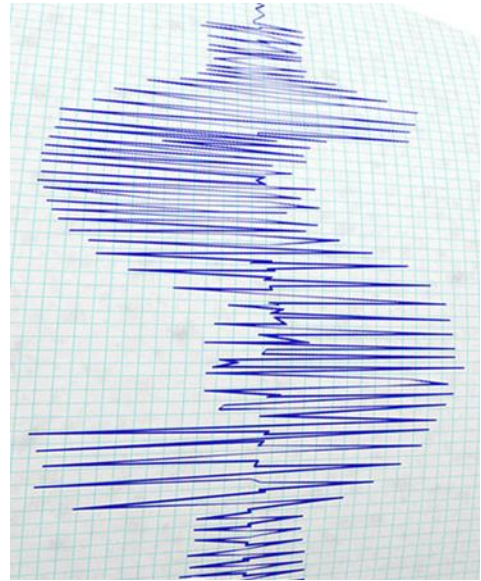
Written by Sarah Cutten, ARC Resources Ltd

Established in 1970, the CSEG Foundation Scholarship Trust Fund awards annual scholarships to deserving geophysics students from universities across Canada.

Last year, \$36,000.00 worth of scholarships were awarded to students across Canada

In order to qualify for an award, post-secondary students must be enrolled in a full time program leading to an exploration geophysics career in industry, teaching or research. Scholarships are awarded on the basis of academic performance, financial need, interest in geophysics and extra-curricular activities.

Scholarships are awarded at \$2000.00 each for University students and \$1,000.00 for technical institute students.



## Important News for 2013

- The CSEG Foundation is proud to announce 4 new scholarships for Students who are entering their first year of post-secondary studies
  - 2 Awards will be granted to dependents of CSEG members
  - 2 Awards will be granted to High School Students

These Scholarships are awarded at \$500.00 each, and are awarded on the basis of academic performance, financial need, interest in geophysics and extra-curricular activities. All Scholarships are applied directly to the student's tuition fees.

- New this year, we will be accepting scholarship applications via email to [csegf.scholarships@shaw.ca](mailto:csegf.scholarships@shaw.ca)
- Application forms can be found at <http://cseg.ca/students/scholarships>

The Application Period is open from Sept 1<sup>st</sup>-Nov 1<sup>st</sup> 2013. Awards are granted and winners will be notified Dec 1<sup>st</sup> 2013. Awards are paid on Jan 1<sup>st</sup> 2014.

For any additional information please contact the scholarship committee at [csegf.scholarships@shaw.ca](mailto:csegf.scholarships@shaw.ca)

If you have any questions at all please do not hesitate to contact one of the members on the Scholarship committee.

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**Students- don't forget that you need to reapply as your memberships expire on January 1, 2014. The student membership forms can be found at:**

<http://www.cseg.ca/membership/membership-info.cfm>

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*If you would like to contribute to the CSEG newsletter please email submissions to [jchling@gmail.com](mailto:jchling@gmail.com)*

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