



CSEG Foundation

FEBRUARY 2014

2014 CSEG STUDENT OUTREACH NEWSLETTER WINTER EDITION

CSEG Foundation Mentorship Program – Winter Update

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

The CSEG Mentorship Program is off to a strong start with 45 pairs to date with both new and returning mentors and mentees involved. Two successful events were held in the fall: the Mentee Interview Workshop and the Mentor Meet and Greet. This was the first of each of these events and is a testament to the growth and development of this program.

The Mentee workshop was held in October at the U of C and a guest speaker with recruiting experience was there to share tips on interviews. The students spent some time discussing common interview scenarios and sharing with the group.

The Mentor Meet and Greet was held in November during lunch hour to allow mentors the chance to meet each other and share experiences and ideas concerning their mentorship pairs. A Mentor Resource List was compiled so that mentors are able to connect their mentees to other mentors in the program who may have different specializations.

Events to look forward to in the New Year are the Mentor Workshop and the Wind-up Party, which is a great time for mentors and mentees to celebrate a successful mentorship year together.

The CSEG Mentorship Program is a valuable opportunity for students to access an industry professional and be able to ask questions about working in industry, job search tips, academic advice, resume content, networking, etc. For a student, this is an extremely valuable preparation step for a successful future in geophysics. Mentors also have an opportunity to learn from their student mentees!

If you are interested in participating in this program, we are still accepting student applications for new pairings in the New Year. CSEG student members from all over Canada are encouraged to apply – even if no CSEG mentor is available in your immediate area, a long distance mentor contact in Calgary would still be very valuable, especially if your vision is to someday work in the Calgary industry. Please fill out the application forms that are on the CSEG website at www.cseg.ca/students/ and contact mentorship@cseg.ca with any questions.

The CSEG Mentorship Committee: Paul Hausmanis, Nathan Fester, Jessa Lee, Usman Shahid and Alex Shrake.

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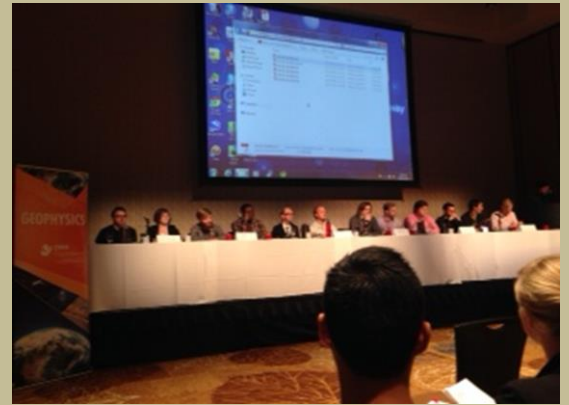


First Annual WIUGC Challenge Bowl 2014 Success

Written by Chris Bird, Geoph.I.T, ConocoPhillips Canada

Teams from six western Canadian universities competed in the first annual Western Inter-University Geological Conference (WIUGC) Challenge Bowl in front of a lively and packed audience at the Hyatt, downtown Calgary on January 4th. The Challenge Bowl is an international jeopardy-style geophysics competition testing University students, in teams of two, on the breadth and depth of their geoscience knowledge. Peter Gagliardi (a former winner of the Challenge Bowl Canadian Final) was the quiz master for the event. The winner of the WIUGC Challenge Bowl wins expenses paid opportunity to compete in the CSEG Canadian Finals Challenge Bowl held in Calgary this May during Convention. In turn, the winner of the CSEG Challenge Bowl will represent Canada at the SEG Challenge Bowl this fall.

Adrian Smith and Chris Chalcraft from the University of Calgary won the WIUGC Challenge Bowl but donated the expenses paid trip to the second place University of Saskatchewan team, represented by Curtis Overholt and Christine Shiels. Harrison Brown and Karl Mome from the University of Alberta, Nathan Wielgoz and Mark Mathews from the University of Regina, Zac Colbran and Kyle Plante from Mount Royal University and Kyle Larson and Patrick Hill from the University of British Columbia also participated. All the teams competed admirably and impressed the large and lively audience on hand.



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CSEG-F Sponsorship of the 2014 WIUGC

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

The CSEG Foundation was recently a platinum sponsor of the 2014 Western Inter-University Geoscience Conference (WIUGC) which was hosted by the University of Calgary from January 2nd through 4th. This was the 50th anniversary of the conference and it was one of the most attended WIUGC's to date with over 200 registrants. The conference had many components which included an industry fair, social events, student presentations and keynote speakers. It was also the first year that the WIUGC incorporated the SEG Challenge Bowl into the schedule which turned out to be a great success as it was the highest attended challenge bowl to date.

CSEG reps, Mike Smorodin, Stephen Kotkas, Adewale Sanusi and Jeff Gautreau were on booth duty for the industry fair and managed to sign up or renew CSEG memberships for almost 50 students. This included students of geophysics, geology, engineering and physics. Perry Kotkas was a judge for student presentations, which contained no geophysics specific talks so Chris Farrow, overall runner up, was awarded the Best Geophysical Presentation prize for his talk titled "Winter Surficial Processes and Groundwater Recharge in the Southern Alberta Prairies".

Chris Bird organized a very successful Challenge Bowl and Peter Gagliardi performed admirably as the Challenge Bowl host. The audience was lively and engaged and it proved to be quite competitive with UofC emerging as the winner. As the UofC did not require the travel bursary to Geoconvention, the award for winning the Challenge Bowl, they were kind enough to award it to the runner-up team, the University of Saskatchewan. Be sure to check them out at the Challenge Bowl this May during Geoconvention!

The conference wrapped up with an awards banquet at the Hyatt Regency hotel. The banquet was well attended with everyone dressed to the nines and eager to hear the keynote speaker, Dale Leckie of Nexen CNOOC Ltd. He gave a very informative talk on the misconceptions of hydraulic fracturing titled, "The Science of Fracking - Societal Issues and Perceptions". Overall the conference was a huge success and the CSEG-F looks forward to sponsoring and attending the 2015 instalment of the WIUGC at the University of Manitoba. If you have any questions or would like to get in touch with the 2015 organizing committee, please do not hesitate to email me at mikes@apoterra.com.

Junior Geophysicists Forum- JGF

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

In late October of 2013, the 11th installment of the Junior Geophysicists Forum was held at Escoba Wine Bar. Elaine Honsberger gave a very memorable talk on her path through industry, from her beginnings in mineral exploration to her current role as Chief Geophysicist of Husky Energy, illustrating to all of us that you don't just start at the top. The event had an overwhelming turnout of 200+ and as such will be held at a larger venue next year to supply the demand. All in all, it was an excellent night of networking, learning and laughs. Thank you to everyone who attended and special thanks to Elaine and all of our sponsors.

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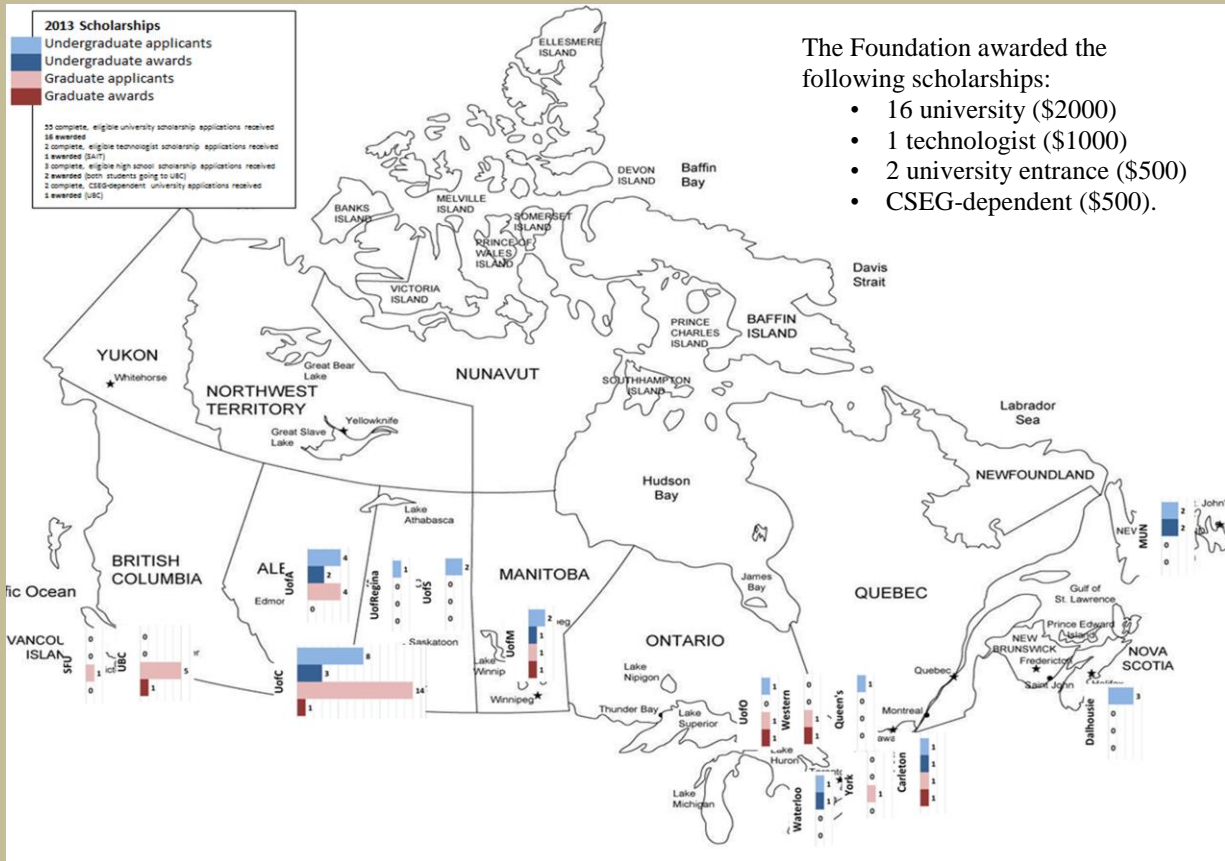
CSEG Scholarship Trust Fund

Written by Marc Boulet, Cenovus

Established in 1970, the CSEG Scholarship Trust Fund awards annual scholarships to deserving geophysics students from universities across Canada. These scholarships are funded primarily through generous corporate and individual donations, and also through interest generated by the memorial trust fund for Rob Shugg. In order to qualify for an award, students must be enrolled at a Canadian university in an academic 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.

In 2012, the Foundation introduced a new scholarship in response to the emergence of geoscience technology programs across the country. To be eligible, students must be enrolled full-time at an accredited educational institution in Canada leading to a degree in geoscience technology (oil and gas, mining, etc.). Also, in 2013, the Foundation introduced two new types of university entrance scholarships, aimed at high school students. One scholarship is for students who are planning on pursuing a science-based post-secondary education, and the other is designated for the children of CSEG members.

In 2013, we received 65 applications from across Canada. The geographic distribution is as follows:



We would like to congratulate the scholarship recipients and also take the opportunity to thank our donors for their support and generosity:

Name	Institution	Scholarship donor
Azadeh Ashoori	University of Ottawa	Sigma Explorations Ltd. / Apoterra Seismic Processing
Colin Brisco	Memorial University	Rob Shugg
Warren Cookson	University of Calgary	Athena Resources Ltd.
Sean Funk	Western	Canadian Natural Resources Ltd.
Tim Hayward	University of Manitoba	CGG
Caroline Karubin	Waterloo	Andreas Cordsen
Rosa La	University of Calgary	Geospace Technologies
Dave Melanson	Carleton University	Divestco
Michael Mitchell	UBC	Talisman Energy Inc.
Maxim Ralchenko	Carleton University	Hampson-Russell
Landon Safron	University of Alberta	Kendall Geophysics Ltd.
Baltej Sidhu	University of Calgary	Olympic Seismic
Adrian Smith	University of Calgary	Pulse Data Inc.
Chelsea Squires	Memorial University	SeisWare Inc.
Volodymyr Vragov	University of Alberta	Sam Gray/Kohlhammer Subsurface Geoscience Ltd.
Taras Zaporozan	University of Manitoba	Tesla Exploration
Daniel Carlos de Oliveira	SAIT	CSEG Community Grant
Nicole Evans	UBC	Perry & Karen Kotkas
Erin Geiger	UBC	Klukas Family
Robert Townsley	UBC	Perry & Karen Kotkas

Keep in mind the following dates for 2014 scholarship applications:

September 1 – November 1: applications accepted. Application form located at

<http://cseg.ca/students/scholarships>

November 1: application deadline

December 1: scholarships awarded and recipients notified

Chair: Marc Boulet
Senior Trustee: Brian Emmerson
Junior Trustee: Lindsay Miller

If you have any further questions please do not hesitate to contact us at csef.scholarships@shaw.ca.

CSEG Travel Grant and Learning Subsidy Program

Written by Kevin Bianchini, Shell

Interested in travelling to a convention, taking advantage of a learning opportunity or hosting an educational event? You should read this article.....

In 2013 the CSEG Foundation Travel Grant and Learning Subsidy provided over \$18,000 for students across Canada to attend events such as the CSEG Symposium, GeoConvention, GIFT, SIFT, the AGU and SEG Annual meetings, WUIGC, PDAC, and the AAPG Student Symposium as well as other geoscience field trips/schools. We have seen this program grow over the last few years and have had over 140 member applicants from universities across Canada. As a result of this growth, we are excited to announce that this year we have an increased budget and hope to be able to fund even more students to attend worthwhile events. So if you plan on travelling to or hosting a learning event where you could use funding – please apply!

Applications to the CSEG Foundation Travel Grant and Learning Subsidy committee are evaluated 6 times a year, with submission deadlines on 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 least one funding cycle prior to your event (this means, to receive a grant for a March 2014 event, we must receive your application before the February 2014 deadline). Some upcoming events to consider for the February 1st 2014 deadline might be the CSEG Convention, PDAC, the CGU annual meeting, and ASEC.

The mandate of the CSEG Foundation Travel Grant and Learning Subsidy Committee is to fund learning opportunities for students, so don't miss out on funding!

Interested?

Check out the CSEG Foundation page at:

<http://www.cseg.ca/foundation/index.cfm>

Check out our funding guidelines at:

<http://www.cseg.ca/foundation/docs/CSEG-Foundation-Funding-Guidelines.pdf>

FILL out the application at:

<http://www.cseg.ca/foundation/docs/CSEG-Foundation-Funding-Application.pdf>

Please feel free to email the funding committee at foundationfunding@cseg.ca if you have questions.

CSEG MUG Talk

Written by Jane Ling, Geoph. I.T, MicroSeismic Canada

Dr. Werner Heigl (Apache) will present “Microseismic Need and Trends”

The talk will take place Tuesday, February 4 at 12:00 PM at the Aquitaine Auditorium +15 level of 540-5 Avenue SW

Attendance is free, just bring along your lunch.

Abstract and registration is available here: <http://cseg.ca/technical/view/microseismic-need-and-trends>

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AAPG Canada Region Student Chapter Leadership Symposium (SCLS)

Written by Meriem Grifi, Husky Energy

This year the Canada Region of the American Association of Petroleum Geologists hosted the second Student Chapter Leadership Symposium (SCLS) in Calgary, Alberta on November 22 and 23. The symposium had eight schools from across Canada represented by bring young leaders that were nominated by their earth science departments. Schools that participated were: Dalhousie University, Memorial University of Newfoundland, Mount Royal University, University of Alberta, University of Calgary, University of Saskatchewan, University of Western Ontario, and Queen's University.

The symposium is meant to bring undergraduate/graduate students from different schools together to meet each other and share their experiences and ideas on how to run a better student chapter. The universities participating this year have chapters that represent students from all three major Canadian societies: AAPG, CSEG, and CSPG. The goal of the symposium is for students to improve their leadership and networking skills as well. Over the symposium weekend, students participated in workshops that aimed to promote the sharing of ideas and improvement of their respective student chapters back home. They listened to industry speakers share their experiences and personal challenges within the oil and gas industry, and got to network with industry and members of AAPG Canada at an evening reception. Students were also treated to a tour of the AER's Core Research Centre, as well as a guest lecture from Per Pederson, Professor of Sedimentology at the University of Calgary. There, students were also able to look at a few Cardium Formation cores in the campus' new EEEL building. The symposium ended with a fun night of bowling for the students before they returned home.

The second ever symposium in Canada was a great success and it would not have been possible if we didn't receive the financial support from the following generous sponsors: AAPG Canada and U.S. regions, CSEG, CSPG, Chevron Atlantic, Husky Energy, Shell, and Nexen. We are hoping the student symposium will become an annual event and continue to grow Canada's student interest in the earth sciences.

-Meriem D Grifi and Kevin W Jackson, Liaison for AAPG Student Chapters Canada



Clockwise from left: Sudipta Das Gupta (U of S), Daniel Hill (U of C), Kevin Jackson (Liaison), Katie Power (MUN), Lindsay Reynolds (Mount Royal U), Carla Dickson (Dalhousie U), Nick Ettinger (Queen's U), Kienan Marion (UWO), Meriem Grifi (Vice-Liaison), and Dave Herbers (U of A)

CSEG Distinguished Lecture Tour (CDL) Update

Written by Lee Hunt, P. Geoph

The ninth CDL Tour is underway. Bernd Milkereit of the Department of Earth Sciences of the University of Toronto is this year's CDL lecturer. Bernd Milkereit is the Teck Chair of Exploration Geophysics at the Department of Earth Sciences of the University of Toronto (since 2001). For more than 30 years, Bernd has worked at the intersection between mineral resources and exploration seismology. He carried out research projects on coal and groundwater before moving into hardrock seismic imaging and exploration for deep mineral deposits in the crystalline crust. He maintains a strong interest in international scientific drilling projects. Bernd's lecture title is "Seismic Imaging in the Presence of Strong Contrasts – How forgetful are seismic waves?" This talk is fascinating and relevant. With Bernd's eclectic and deep background, it is of little surprise that his lecture integrates mining, surface seismic, and the study of stress. Bernd has delivered his lecture in six different locations in 2013, however the bulk of the CDL Tour will take place in the spring of 2014. A further 12-17 talks will take place before the spring session ends. Make sure you take the opportunity to visit with Bernd when his lecture makes a stop near you. Bernd not only has a great talk, but he is fantastic person to speak with: he is humble despite his amazing and broad acumen, and has an incredible network of colleagues friends and interests, some of whom may well intersect with your own studies in some way.

Please go to <http://cseg.ca/education/view/seismic-imaging-in-the-presence-of-strong-contrasts> for scheduling details.

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 themselves. 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>

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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GIFT

Written by Alishah Nayani, Encana

On June 6th 2013, the CSEG Foundation held the fifth annual Geophysical Industry Field Trip (GIFT). This year's event brought together 42 geoscience participants from 12 different universities across Canada. The three day program consisted of being in the heart of downtown Calgary visiting companies such as Imperial Oil, Jason – a CGG Company, SAExploration and ARCIS Seismic Solutions. These companies provided technical presentations and insight in their respective specializations, including seismic survey design, acquisition, processing and interpretation. The event also included a visit to the Canmore Museum and Geoscience Centre along with a geological hike to the Grassi Lakes area. These activities were meant to bridge the gap between a student's education and future professional career.

AESRC

Written by Mike Preiksaitis

The Advances in Earth Sciences Research Conference (AESRC) is a multidisciplinary geoscience conference designed for and by students. This year it will be hosted at the University of Ottawa in March of 2014! Stay tuned to <http://www.aesrc.ca/> for details on submitting posters or abstracts to the conference.

Geoskills 2014

Written by Adam Flynn, RPS Group

GeoSkills is a one-day geo-conference taking place at the metropolitan center in Calgary on the 5th of February. This event features talks tailored to students from 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.

Phone: (403) 262-0015
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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>

If you would like to contribute to the CSEG newsletter please email submissions to:

jchling@gmail.com