

### **CSEG Foundation Mentorship Program – Winter Update**

Written by Paul Hausmanis, Geophysicist, Cenovus Energy Inc.

The CSEG-F Mentorship Program is entering its sixth year as a formal program for mentoring geophysics students. This past year represents our most successful program to date with over 60 mentor/mentee pairings. This year we are looking forward to another busy season. We have been receiving your mentee applications and want to remind you that to formally qualify for the program you must be currently enrolled in a geophysics program and be a CSEG student member. Mentorship pairings will be made before Thanksgiving so there is still time to submit an application.

Keep your eyes and ears open for more details on an event planned for mid-October: The Mentor Student Meet and Greet. Take the opportunity to meet your mentor, introduce yourself to other mentors and socialize with fellow students. This is a new event and is a testament to the growth and development of the program.

Another event planned for our mentors is a mentor workshop in November with guest speaker Stan Bissell – an award winning secondary science educator, currently working with the Ministry of Education of the Government of Alberta. The CSEG-F Mentorship Program is a valuable opportunity for students to access an industry professional and be able to ask questions about working in the 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.

If you are interested in participating in this program, please fill out the application form that is on the CSEG website at <u>www.cseg.ca/students</u> and email <u>mentorship@cseg.ca</u> with any questions. 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.

The CSEG-F Mentorship Committee: Paul Hausmanis, Nathan Fester, Usman Shahid, Alex Shrake and Jordan Vandean.

#### **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 <a href="http://cseg.ca/students/cseg-student-membership">http://cseg.ca/students/cseg-student-membership</a>





## SEPTEMBER 2014

#### 2014 CSEG STUDENT OUTREACH NEWSLETTER FALL EDITION



# SEPT. 26<sup>TH</sup> 2014 GEOPHYSICAL TALK SERIES

#### **Chapter 1: Downtown Geophysics**

As the first of a three part series of geophysical talks, chapter one's flavor of Downtown Geophysics, features presentations aimed to give attendees a professional perspective for what daily life is like in the Interpretive stream of Geophysics.





#### **Featuring:**

Brian Schulte (Talisman Energy)

Richard Gray (Chevron)

lan Watson (Imperial Oil)

Lee Hunt (Mirmir's Well)

Location: 5pm ECHA L1-430

Pizza and refreshments provided!

UNIVERSITY OF ALBERTA 11405 87th Ave. NW Edmonton, AB T6G 1C9

<u>www.ualberta.ca/~uagus</u> www.cseg.ca





### **University of Calgary Talk Series**

Written by Rafael Asuaje, CSEG Student Chapter Treasurer

The CSEG Student Chapter at the University of Calgary, in conjunction with the Graduate Association of Geology and Geophysics Students (GAGGS) and the EAGE student chapter is organizing Talk Series to be held during the Fall and Winter semester of the 2014-2015 academic year. These talks/seminars will take place every second Monday from September 22nd until May 30th. This event is dedicated to the students of the Geoscience Department at the University of Calgary. The goals of these talks are to:

- Give students the opportunity to hear about the latest advances in the geoscience world and to learn from experts about different topics,

- Be a platform for the interaction between the industry and the students,

- Provide the students a vision of how the industry works and how projects are planned and developed,

- Give the students the opportunity to practice and improve their speaking skills by doing seminars. In these seminars, the students will present their work and have the opportunity to receive feedback from their peers and professors.

The talks will be approximately about 45 minutes long with an additional 15 minutes for questions.

During the student seminar sessions, two students will present their work and during the technical sessions, an expert from the industry will give the talk.

Date: Mondays @ 4:00pm (see the CSEG website for complete schedule posting http://cseg.ca/education/cseg-uofc-talk-series)

Location: Science B building SB 142

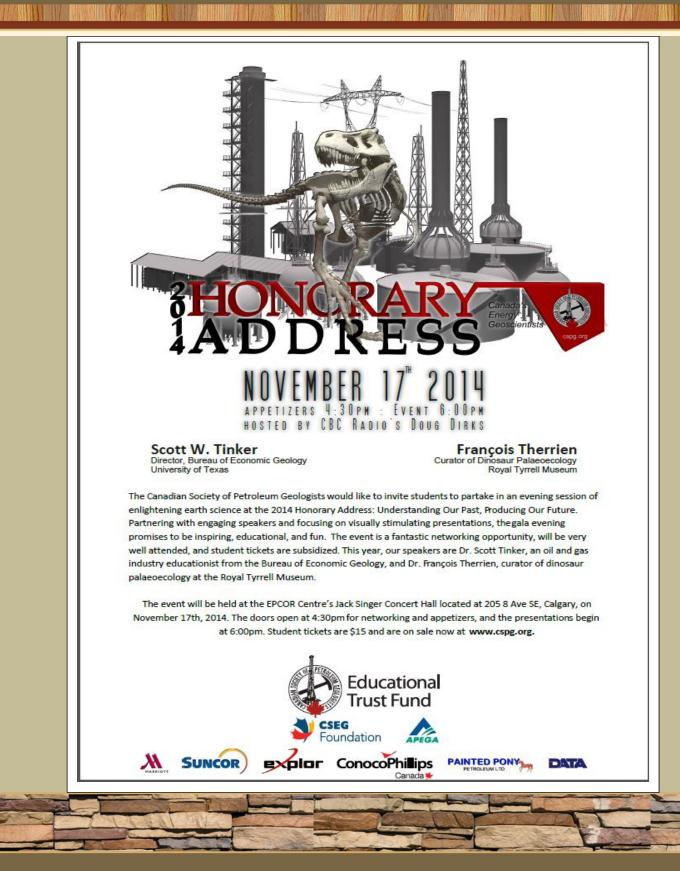
**Offerings:** Coffee and Snacks

Who can attend: Students, Staff and Employees from the industry.



SEPTEMBER 2014

2014 CSEG STUDENT OUTREACH NEWSLETTER FALL EDITION





#### **2014 Seismic in Motion**

Written by Jeff Gautreau, CSEG Outreach- SIM Guide Coordinator

The 11th Annual Canadian Association of Geophysical Contractors (CAGC) Seismic in Motion (SIM) field trip will take place from September 30 - October 2, 2014. Set in the tree bounded fields of Waiparous (west of Cochrane), SIM is an outdoor classroom that shows, in a single day, many aspects of seismic acquisition. On each of three days, 150+ participants are bussed from Calgary to Waiparous, divided into groups, guided through demonstration stations, fed lunch, and treated to a simulated helicopter rescue, mulcher and live explosives demonstration.

With the support of the Association of Professional Engineers and Geoscientists of Alberta (APEGA) geoscience students from MRU, SAIT, & U of C are invited to participate each year. In addition, the Outreach program of the Canadian Society of Exploration Geophysicists (CSEG) Foundation assists the CAGC with high school student attendees and with coordinating guides.

There are many different elements involved in putting together a successful seismic acquisition program. There is more than just planting geophones in the ground and recording data. Demonstrations allow companies to display and explain seismic acquisition technologies, advances and procedures. These include operating equipment such as drills, recorders, surveying & GPS, explosives, mulchers, vibrators, and helicopters, as well as procedures such as high angle rescue and aerial gear movement. In addition to these you will also hear a lot about how safety and the environment have become a major priority. The key measure of success in a seismic program is that no one is hurt.

Also remember all the tour guides graciously volunteer their time. Many are professional geoscientists, typically with many years of experience in the industry, and are willing to answer your questions whether technical or career advice.

If you like to write we are always looking for someone to write an article with a student's perspective for the CSEG Recorder and CAGC Source magazines about your experiences that day.

As students, you should not miss out on this exciting opportunity and the chance to network. You never know when you will meet a contact that could be the one that starts your career.

For information about volunteering as a guide contact Jeff Gautreau at jeffgautreau@gmail.com

For more information or to register go to <u>www.cagc.ca</u> under Events/Seismic in Motion.





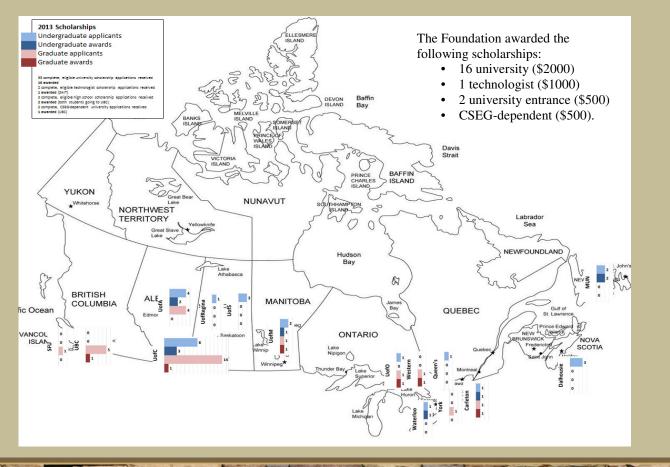
### **CSEG Scholarship Trust Fund**

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:





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

SEPTEMBER 2014

December 1: scholarships awarded and recipients notified

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

### **CSEG Education Opportunities for Students**

Written by Kurtis Wikel, CSEG Director Educational Services

The CSEG currently offers many exciting and affordable education opportunities for student members, in Calgary and across Canada. To start within Calgary, the Microseismic Users Group (MUG) and Lunchbox Geophysics series are free to all members including students. The current schedule can be found at <u>cseg.ca</u>. In addition to this, the EAGE and SEG education tours (EET and DISC respectively) are very affordable and open to CSEG members at the respective societies rates (some of these courses travel to Universities across Canada). Doodletrain (the CSEG education week) in November has special student rates and offers available as well. Finally, the technical lunch series has student tickets available free of charge due to generous sponsorship by local companies. For all of the above, please contact the CSEG office at <u>cseg.office@shaw.ca</u> or <u>cseg.ca</u> for more information.

For CSEG student members outside of Calgary, there are many opportunities to take part in CSEG education events. Most SEG Honorary Lecturers and Distinguished Lecturers travel across Canada, stopping at many schools along the way. Please keep your eyes open for future lecture opportunities. Also, many excellent CSEG technical luncheon talks are available online, free of charge, through the CSEG website. Finally, the CSEG has signed an agreement with the Geophysical Society of Houston (GSH) which gives all CSEG members GSH rates for online courses...a great resource and opportunities to students outside Calgary. If you have any suggestions or recommendations please feel free to email them to the CSEG email above.

### **Challenge Bowl 2015**

#### Written by Lewis Jones

The annual CSEG challenge bowl is a stellar event where teams buzz in and answer skill testing questions in a variety of geoscience categories. Imperial oil and the CSEG Foundation made it happen last year with their sponsorship, and it was a great success. The University of Calgary team of Christopher Chalcraft and Adrian Smith took top prize and won an expenses paid trip to the SEG Conference in Denver. The Canadian Challenge Bowl occurs annually at the Calgary Geoconvention and the 2015 competition is up and coming. All geoscience students are encouraged to participate in this unique event which combines knowledge, competition, and fun. It is a great chance for student teams from across Canada to be showcased in front of industry leaders. Every year quiz master Peter Duncan runs an exciting trivia program that is always complimented with snacks and of course beverages. It is a 'must see' at the Geoconvention so look for information on the upcoming event at the CSEG in future newsletters and on the CSEG website.

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



### **CSEG Travel Grant and Learning Subsidy Program**

Written by David Bonar

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).

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 <u>foundationfunding@cseg.ca</u> if you have questions.



SEPTEMBER 2014 2014 CSEG STUDENT OUTREACH NEWSLETTER FALL EDITION

### **Doodle Train**

Student registration starts for a limited time on October 17, 2014

The CSEG Continuing Education DoodleTrain is a weeklong series of courses that run



each November and cover a diverse range of topics in the Geophysical industry. On average, approximately 20 courses are offered during this week and provide valuable training opportunities to Geophysicists in Canada as well as abroad. The success of the DoodleTrain is thanks to many Calgary-based companies who generously donate their venues and help in keeping the course costs affordable. Even though our rates are low compared to other market values, we recognize that these prices are still difficult for students to afford. To address this, the DoodleTrain offers a discount of almost 90% to students who are members of the CSEG to attend courses where space is available. Student registration for available courses opens for a limited time on October 17, 2014.

In addition to discounted course prices, the DoodleTrain offers volunteering opportunities for a limited number of students who are interested in helping with logistical tasks - the bonus being that they can attend the course they are volunteering for. These selected volunteers are able to attend the course for free while helping guide students to the venues handle course materials and assist the Instructors wherever needed. Additionally, the CSEG organizes a social night during the DoodleTrain week to which all registered course attendees are invited. This is a very valuable opportunity for students to network with experienced professionals from the Geophysical community in Canada.

In summary, there is great opportunity for you as a student, to not only get access to the DoodleTrain Continuing Education week at discount prices, but also to gain valuable volunteering experience. By attending the social night you will have increased opportunity to meet other Geophysicists and begin building your professional network. For more information about the DoodleTrain please visit: http://cseg.ca/education/doodletrain.

### University Student Conferences 2014-2015

Written by Sheldon Barron, Geoph I.T., Shell Canada

This school year the CSEG Foundation will continue its support of student conference across Canada. This year we are proud to support the following conferences:

#### **Atlantic Universities Geoscience Conference (AUGC)**

The AUGC is a student run, undergraduate conference generally for students in the Atlantic Region. This year the conference will be hosted by the University of New Brunswick (Fredericton) from October 23<sup>rd</sup> to the 25<sup>th</sup>. This year the conference will include field trips, student presentations, the CSEG Challenge Bowl and evening social events. For more details on AUGC please check out: https://scienceatlantic.ca/conferences/index.php/augc/AUGC2014.

#### **Canadian Undergraduate Physics Conference (CUPC)**

The CUPC is the largest undergraduate non-profit physics conference in North America. This year it is being hosted by Queen's University in Kingston Ontario from October 23<sup>rd</sup> to the 26<sup>th</sup>. This conference provides students with the opportunity to share their research and explore the various areas of study in physics. The CSEG is proud to attend this event to promote careers in geophysics. For more information about the conference and how to register please check out CUPC.ca.

<u>Western Inter-University Geoscience Conference (WIUGC)</u> This year the WIUGC is being held January 2<sup>nd</sup>- 4<sup>th</sup> and is being hosted by the University of Manitoba in Winnipeg. This conference consists of field trips, an industry fair, technical student talks, the CSEG Challenge Bowl and of course social events. For more information about the conference and how to register please check out WIUGC2015.com. For general inquires to the CSEG-F about student conference please feel free to contact Sheldon at Sheldon.Barron@Shell.com

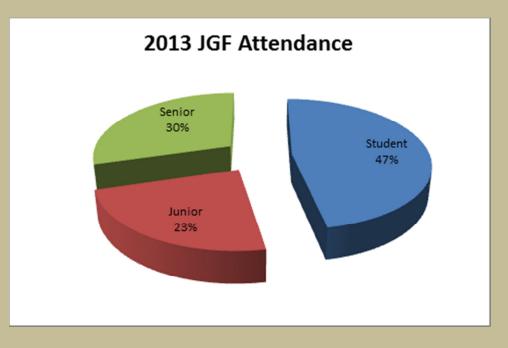


### Junior Geophysics Forum

Written by Mark Lukwinski, CGG

The JGF started in 2005 as an informal mixer for geophysicists of all experience levels and students majoring in geophysics. This forum gives students and junior geophysicists an opportunity to network with established geophysicists. The event is intended as a technical networking event. All geophysicists or students enrolled in a university geophysics program are invited to attend.

Registration is open to all geophysicists whether they are junior, intermediate, senior or retired. It is open to geophysicists working in all aspects of the oil and gas industry whether they work for an E&P company, processing company, acquisition company or consultants. Attendance in the past has ranged from 175 to 200 geophysicists. We expect attendance to exceed these numbers for the next JGF.



The 2014 Junior Geophysicist Forum is going to be held on Tuesday, November 18<sup>th</sup> in the Alberta Room of the Fairmont Palliser Hotel. The event will start at 4:30pm with a cocktail hour followed by o'dourves, a presentation from an exciting industry professional will be held describing their experience as a geophysicist and the remainder of the evening will be a great opportunity to continue networking ending at 8:30pm.





### **CSEG-F Foundation Area Rep Committee**

Written by Alex Shrake, CSEG-F Area Rep Chair

The CSEG-Foundation Area Rep Committee is excited to kick-off the 2014/2015 calendar year! The Area Rep committee acts as a formal network to connect geoscience students from across Canada with the CSEG. Our goal to build relationships with each of the Universities across Canada to encourage their students to apply for scholarships, travel bursaries, and participate in the mentorship program. We also communicate when student conferences like the CUPC, WIUGC, CSEG-F Geophysical Industry Field Trip, and AUGC are happening and encourage students to attend. We hope to enjoy another successful year working with geophysics students from across Canada to encourage growth in our industry!

These lines of communications and network building would not be possible without our dedicated Area reps.

British Columbia	Alex Horner	Alex.Horner@CGG.com
Edmonton	Jessa Lee	Jessa.Lee@apachecorp.com
Prairies	lan Deniset	lan.Deniset@huskyenergy.com
Ontario	James Johnson	James.Johnson@CGG.com
Quebec	Matthew Baird	matthewbaird.cseg@gmail.com
Atlantic	Sheldon Barron	Sheldon.Barron@shell.com
Calgary	Alexandria Shrake	Ashrake@chevron.com

#### **Edmonton Planned Events**

1. SEG Guest Lecturer Aria Abubakar, Sept. 12th 2pm, CCIS L1-047

2. UAGUS Geophysical Talk Series: Chapter 1, Downtown Geophysics Sept. 26th, Location ECHA L1 430 Note there will be a Processing and Acquisition as well as an Environmental and R&D Chapter as well. More details to follow shortly!

As for speakers we have: Richard Gray (Decision Making in Oil and Gas), Lee Hunt (Value of Geophysics), Brian Schulte (The life of Oil and Gas), and Ian Watson (TBA). There will be pizza and refreshment served and students, speakers and professors will be invited to a post talk mixer.

3. SEG Annual Meeting, Oct. 26th-31st, Denver Colorado (16 4th year Attendees!)

4. Geoskills Feb. 6&7th Telus Convention Center, Calgary

#### Geoskills 2015 Written by Adam Flynn

Geoskills is an annual student conference that connects university students in Alberta with professional geoscientists. This year, the conference has been expanded to a two day event taking place February 6<sup>th</sup> to 7<sup>th</sup>, 2015 at the TELUS Convention Center in Calgary.

Geoskills gathers speakers, students and professional geoscientists for two days of seminars and informal learning about the tools required to succeed in the profession. The conference includes a mixer where attendees enjoy food and networking with peers and professional geoscientists.

This CSEG Foundation sponsored event is organized by APEGA with the help of geoscience students from the University of Calgary, Mount Royal University, and University of Alberta.

Keep on the lookout for more information to come.





SEPTEMBER 2014

2014 CSEG STUDENT OUTREACH NEWSLETTER FALL EDITION

### CSEG 43<sup>ee</sup> Annual Doodlespiel 2015

Written by Trent Olson, 2015 Doodlespiel Chairman

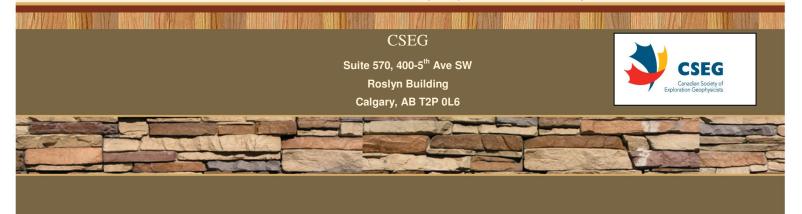
The CSEG Doodlespiel is an annual curling bonspiel with over 90 curling teams consisting of CSEG members that include Geoscientists, Technologists and Service Industry members. Analogous to other CSEG events, the Doodlespiel is built on history and tradition. This year's three day event will be held January 23-25 2015 in Banff, Alberta. CSEG members of all experience and curling levels are encouraged to participate as it is an excellent way to expand industry networks and be involved in the CSEG community. For the past three years, the Doodlespiel Committee has solicited the services of two student volunteers for the duration of the event and we will once again be looking for student volunteers in November/December. In the past, we have had complete student teams partake in the event; additionally, this year the Committee has setup a student spare list where students may sign up as an individual curling spare in the event that a team is short a player. To register as a student spare or for more information about this year's CSEG Doodlespiel, please visit our website www.doodlespiel.com or contact myself, Trent Olson at 403-294-6420, trent.olson@sigmaex.com or Matt Ng at matt.ng@paintedpony.ca.

### WISE Golf Tournament

Since 2000 WiSe (Women in Seismic Golf Tournament) has been a significant event in the geophysical community and this tournament created an excellent avenue to further develop relationships with industry colleagues. WiSe found its home at Fox Hollow Golf Course where the organizers and participants are extremely proud of is the inclusion of the charity component to the tournament. In 2013, WiSe marked the milestone of contributing over \$100,000 to the Alberta Cancer Foundation from this tournament. Currently there are 136 golfers in this one day event and social aspects include: dinner, hole prizes, and interacting and fun that have helped to grow WiSe's popularity. The purpose of WiSe is really a networking event that is disguised as a golf tournament. Year after year- it has been an entertaining non-competitive event for female CSEG members. If you are interested in participating or volunteering please contact joanne.poloway@sigmaex.com or Trish.mulder@katalyst.com

### **Annual CSEG T-Wave Tournament**

The Annual CSEG T-Wave Tournament is a half day scramble tournament. CSEG members get to spend a relaxed afternoon with their colleagues and friends on a beautiful golf course, in a non-competitive tournament geared for all golfers: men and women, low and high handicappers. Since the tournament began, the committee has been able to keep their ratio of service people to producers fairly equal. Not only is at least half of the 144 golfers playing represented by oil and gas companies from downtown Calgary, the rest of the players are made up of consultants and sponsors from the service sector- THEY HAVE STUDENT PRICING. This is a great opportunity for students to network with industry colleagues, potential employers and enjoy a lovely day outside. If you are interested in volunteering or finding out more please contact jocelyn\_frankow@sensorgeo.com





#### 2015 CSEG Symposium

#### Written by Alishah Naynai

The 2015 CSEG Symposium is the fourth annual event to be held on March 4<sup>th</sup>, it will showcase CSEG's best speakers, with talks highlighting our mission of "Dynamic Value - Thinking Beyond Convention". Each year the Symposium honours one or more notable CSEG members, and the themes of the talks presented will relate to the work of the Honouree(s). This year the Symposium will honour David Gray from Nexen. We are currently accepting proposals for talks to be presented at the symposium, you can email a brief abstract to

Alishah.Nayani@encana.com before Nov 15th 2014.

Student registration is half price.

For more information please visit www.cseg.ca/symposium.

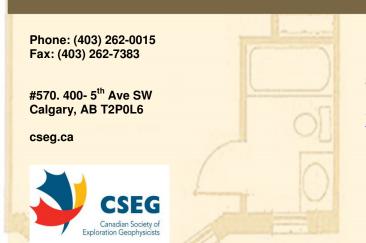
#### CDGMNet- Calgary Geoscience Data Managers Network Written by Leah Manzi

We are Calgary's community of **Geoscience Data Managers.** Our mission is to provide leadership and support to Calgary Geoscience Data Managers with reference to data management, education, industry policies, technologies and industry experience with a vision of fostering relationships with other industry associations.

We host monthly Learn @ Lunch sessions, for data managers, geoscience technologists and industry service providers, on a variety of topics that relate to the geoscience community. Mentoring is an important aspect of what we do and we welcome the opportunity to network with students.

If you are interested in **Calgary Geoscience Data Network** and would like to receive notifications for our Learn @ Lunch sessions, send us an email at <u>rsvp.cgdmnet@gmail.com</u>

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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: <u>jchling@gmail.com</u>

