

# Evolving Professionals



**We See More**



**A P E G S**

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*Association of Professional Engineers  
& Geoscientists of Saskatchewan*

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## President's Report

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What a dynamic and progressive year for APEGS! Staff and volunteers alike have been firing on all cylinders to address the objectives of the organization, from the vetting and registering of engineers and geoscientists to evolving the regulatory processes. The committees have been forming their work plans of activities through the APEGS Value Proposition (AVP) planning process launched last year. The AVP will help us all align our activities to registration and compliance, member competence, regulating the professions, sustaining the professions and organizational management.

The Executive Committee spent an extra three days in strategic planning discussions to help create an integrated picture of what is on the APEGS “horizon watch” list, what the challenges of the Association are and what trends we see across the country that need attention. The goal: to clearly articulate expectations and ensure there are policies for our committees to act on regarding key horizon watch issues. Executive Committee and Council want to help empower committees with a clear direction and outcome, as well as instill the confidence that there are resources to act. Two issues that have risen to the top that will require significant initiatives across many committees, and financial wherewithal, are the national 30 by 30 initiative and the need to focus the membership on the value of Continued Professional Excellence.

### **Thirty per cent women in engineering by 2030**

At the 2015 Annual Meeting, APEGS formally endorsed the 30 by 30 initiative, as have all Canadian constituent associations (CAs). Council is committed to creating a Council-led task force to help APEGS support, create and implement cross-committee activities that will help us reach the goal, realizing that many individuals who will be part of this effort are young girls currently in grades 2 to 9. This year the active Women of APEGS (WOA) Subcommittee has reached out to increase its understanding of issues of women in the professions by attending the IEEE International WIE conference in San Jose, CA, the WIE national conference in Winnipeg and the CCWESTT in Ottawa this May, as well as continuing to be a visible participant at events such as STEM-Fest, and holding networking activities like the Women Creating Community reception in Saskatoon and regular WOA lunches in Regina. These efforts must be inclusive of both our professions. Although women already represent around 50 per cent within university geoscience programs nationally, the goals will benefit us all.

### **Continuing Professional Excellence (CPE)**

CPE clearly aligns with member competence: promoting and improving the

competence and proficiency of members. While maintaining our competence and proficiency are part of our professional obligation, APEGS believes that we need to help our members increase their voluntary reporting. This year *The Professional Edge* dedicated an issue to the importance and value of CPE, and helped communicate to the membership how they can recognize activities that contribute to CPE. Likewise, members who attended the spring Law and Ethics Seminar heard directly from Chris Roney, P.Eng., FEC, Engineers Canada president-elect and Chair of the Engineers Canada Lessons Learned Task Force. The Algo Centre Mall Collapse, the Charbonneau Commission and the Mount Polley Tailings Storage Facility Breach have demonstrated the need to enhance the knowledge and enforcement of the Code of Ethics and establish clear CPD requirements on ethics, professionalism and the duty to report. With the leadership of our Professional Development Committee, this topic will remain of great importance to Council in the coming years.

### **National travel: the conversation continues . . .**

Many times this year I have referred to “keeping the conversation going.” By that I mean APEGS benefits significantly from attending the annual meetings of our sister constituent associations as well as meetings of Geoscientists Canada and Engineers Canada. We learn from each other—what is working well and, just as importantly, what is not. APEGS is able to see trends emerge and bring back the benefits of lessons learned. While attending Engineers Canada meetings, the CAs gain insight through the Open Forums presentations and discussions on issues such as foreign qualifications recognition in conjunction with Fairness Commissions, the Trans Pacific Partnership Agreement and coordinated needs for standards and codes that require engineering involvement.

Another item of note was APEGS’ input into updating Engineers Canada’s bylaws. APEGS worked to ensure that Engineers Canada’s bylaws require their board to continue approving the strategic plan and associated budget so that it would be referred to the constituent association owners for final approval. This is important to ensure engagement between the board and the CAs.

During the past year, Geoscientists Canada has been focused on improving its dialogue and relationship with the CAs. Geoscientists Canada has done a great job of ensuring CA presidents are kept up to date through a face-to-face meeting in June at the annual meeting and through conference calls. Geoscientists Canada is actively reviewing the Moving Forward Strategic Plan. The number one priority is the Admission Support Tools II Project, which includes mapping the competency profile for the Geoscience Knowledge and

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Experience Requirements for Professional Registration in Canada document (GKE), identifying competency-based assessment tools that might be developed and developing an online self-assessment tool for all prospective applicants.

APEGS has been an active PNWER participant for many years. The engineers and geoscientists of the Pacific NorthWest Economic Region are deeply integrated into the region's economies. It is because of this economic involvement that we are participants in PNWER. This past summer Summit and winter meetings provided the opportunity to discuss shared concerns, issues and strategies with APEGBC and Engineers Canada. The APEGS and APEGBC receptions were well attended, and the engineers' and geoscientists' reputation was maintained and likely enhanced.

#### **The economy and impacts to the professions in Saskatchewan**

It has been hard to ignore the economy this past 12 months, especially in resource-rich provinces like Saskatchewan. Either APEGS was watching for registration trends at home and with neighboring CAs, or APEGS was being asked, "How is the economy doing?" The most straightforward answer was, "Saskatchewan's strength is its diversity, but with a number of large projects wrapping up we expect to see a change in 2016 registration statistics, so we need to monitor that closely." At the end of renewal season, APEGS can report that while there were changes in registration patterns as predicted, there was still growth, only slightly down from the previous year. Engineer-in-Training registrants (both international and Canadian) were up significantly. However, there were increases in waivers and resignations as well as decreases in Permission to Consult and mobility applicants.

#### **Other highlights**

I would also like to highlight a few unique projects.

The Regina Engineering Students' Society has taken a great deal of initiative to introduce the Honour Pin Ceremony. The event gives senior-year students the opportunity to discuss with students in the faculty the importance of professionalism and how it starts while at university. After reciting an oath to act professionally and responsibly, students receive their Honour Pin.

At the June Council meeting, Council approved a donation to the Canadian Engineering Memorial Foundation's Marie Carter Memorial Undergraduate Engineering Ambassador Award. APEGS joined other CAs in supporting these important awards.

On the recommendation to consider initiating both a demographics and Value to the Professions study, APEGS investigated which organizations could produce such a study, and what the results might look at. The Saskatchewan Research Council provided a proposal that was reviewed. Given the economic downturn, the need to find a Chair to lead the project and difficulty in clearly identifying an audience, it was recommended to Council by Executive Committee that this was not the right time, and the project was put on hold.

Of course I would be remiss not to mention the most significant change APEGS will be addressing this year: the retirement of our Executive Director and Registrar, Dennis Paddock, P.Eng., FEC, FCSSE, FCAE, FGC (Hon.). Dennis has led this organization for the past 23 years and has stewarded more change than many of us realize, including the last Act revision, welcoming geoscientists to the organization, reorganizing the office to meet the demands of the 21st-century regulatory environment, and the successful move to a new building location—all of which position APEGS for a strong future. I, along with Council members and past presidents, have contributed to the succession efforts through selecting Conroy Ross as our human resources search firm and, of course, establishing a strong and diverse Selection Committee.

#### **Thank you**

It was a great pleasure to travel across Canada meeting with other associations and working to progress the self-regulation of our professions. We attended annual meetings, Engineers Canada and Geoscientists Canada board meetings, and PNWER meetings in Montana and Yellowknife. The goal of all of these trips is to stay informed about issues that may affect our professions and to participate in dialogues that will ensure our voice and views are heard and understood.

APEGS is very fortunate to have such a dedicated Council to serve its members. My thanks to all members of Council for your support and all of your hard work during the past year.

Council and national representatives for the 2015-2016 year included:

Margaret Anne Hodges, P.Eng., FEC, President, Andrew Loken, P.Eng., FEC, Past President, Tara Zrymiak, P.Eng., FEC, President-Elect, Ernie Barber, P.Eng., P.Ag., Vice-President, Dave Kent, P.Eng., FEC, Andrew Lockwood, P.Eng., FEC, Ian Sloman, P.Eng., John Unrau, P.Geo., Holly Annand, P.Eng., Stormy Holmes, P.Eng., FEC, Kaylee Puchala, Engineer-in-Training, Rob Stables, P.Eng., Ben Boots, P.Eng., FEC, Kristen Darr, P.Geo., Timothy Stobbs, P.Eng., Brett LaRoche,

## Executive Director and Registrar

P.Eng., Sara-Jane Eaton, P.Geo., Dwaine Entner, Public Appointee, Gerry Hertz, Public Appointee, John Pearson, P.Geo., FGC, Geoscientists Canada Director and Dwayne Gelowitz, P.Eng., FEC, Engineers Canada Director.

I want to thank the members of the executive committee, Tara, Ernie, Andrew and Dennis, for their participation, guidance and direction through the past year. It has been a real pleasure to work with all of you. I look forward to working with Tara in the new year and wish Andrew continued success in his future activities.

Finally, a “thank you!” to the membership for placing confidence in me to take on this role and represent you provincially and nationally. It has been a great honour and pleasure to serve you. I want to thank all of the APEGS staff and volunteers who work throughout the year to serve our members. Our association could not function without its staff or its volunteers working together to carry out our many regulatory, outreach and development functions. Thank you all for your dedication.

My thanks to Dennis and Wendy Paddock for their mentorship throughout the year with respect to leading Council, travelling the country, and understanding the issues of our professions from regional and national points of view. With retirement, Dennis will be greatly missed by staff, Council, and the membership. Dennis, I want to wish you and Wendy happiness in your next set of adventures.

Finally, to my family: thank you, too, to my husband and daughter, Ed and Alice Willett. You have both successfully managed to keep the home fires burning while I have been away, whether travelling or trying to get everything caught up on the weekends at work. Thank you for helping me “do it all!”

Respectfully submitted,

Margaret Anne Hodges, P.Eng., FEC  
President

### Executive Director and Registrar

In 2015 our rate of membership/licensee growth declined from 5.8 per cent to 5.1 per cent. This gradual decline in growth rate, coupled with the decrease in permission to consult applications, the increase in resignations and the increase in licence waivers indicates a softening in the engineering and geoscience economy.

### Registration

The Membership Statistics table at the end of this report records the net outcome of all registration activities. The table does not capture the number of inquiries, the number of applications or the number of files in process. The number of applications of all types increased by 4.6 per cent to 2,927. The two regulatory committees with the heaviest workload continue to be the Academic Review Committee and the Experience Review Committee.

### Unlicensed Practice

Council does not support any registration scheme that facilitates or condones practising without a licence. During 2015 staff continued to identify individuals and companies who were practising without a licence, misusing protected titles and practising without a Certificate of Authorization. All members should ensure that any engineers and geoscientists they employ are properly licensed to practise in Saskatchewan.

### Our Website and e-Business Services

During the year we continued to add and improve the e-business functionality of our website. We continue to encourage members and applicants to pay their dues, update their contact information, report their CPE activity, register and pay for events, make various applications and pay application fees online.

### Reporting Continuing Professional Excellence (CPE) Activity

The Engineering and Geoscience Professions Regulatory Bylaws require that APEGS members and licensees “keep themselves informed in order to maintain their competence . . .” While it is currently not mandatory to report your Continuing Professional Excellence (CPE) activities to APEGS, it is mandatory that you undertake this activity. We have taken steps to facilitate a better online

reporting interface and will continue to improve our online reporting capability. Members and licensees should be reporting their CPE activities online. Your Council is monitoring national developments regarding mandatory reporting of professional development activities. I urge all members and licensees to promptly report your CPE activities, if you have not already done so.

### Outreach

Throughout 2015 our volunteers and staff represented our professions at a wide variety of national, international, government, public, university, geoscience and engineering functions. These functions provided an excellent opportunity to further the Association's mandate of protecting the public. APEGS continued with the practice of holding an annual MLA Reception, holding its 16th annual reception during the fall legislative session. This provided an excellent opportunity for politicians to meet engineering and geoscience professionals and to discuss issues relevant to Saskatchewan and our professions.

I thank all members who volunteered their time during 2015 in support of our professions. I especially thank President Margaret Anne Hodges, P.Eng., FEC, Executive Committee, Council and my staff for their strong support throughout 2015.

This is my 23rd and last annual report as Executive Director and Registrar. I have decided to retire after the 2016 Annual Meeting. Since joining APES/APEGS in 1993, I have witnessed a massive transformation in how we regulate the engineering and geoscience professions. Saskatchewan's membership has grown by roughly 3½ times, its activities have grown by roughly 6 times and its staff has grown from 8 to 18. It has been my privilege to work with excellent presidents, excellent Council members, excellent volunteers and excellent staff. I am proud that together we have created an outstanding engineering and geoscience regulator.

Thank you, everyone!

Respectfully submitted,

Dennis K. Paddock, P.Eng., FEC, FCSSE,  
FCAE, FGC (Hon.)  
Executive Director and Registrar

## Membership Statistics

Membership Category	2014	2015	Change	% Change
Professional Engineers	7,670	8,047	377	4.9%
Professional Geoscientists	586	597	11	1.9%
Engineers-in-Training	1,646	1,693	47	2.9%
Geoscientists-in-Training	176	187	11	6.8%
Geoscience Licensees	4	8	4	100%
Engineering Licensees	50	58	8	16%
Temporary Licensees	52	38	(14)	(26.9%)
Licence Requirement Waived (P.Eng./P.Geo./Licensee/ Members-in-Training)	920	1,024	104	11.3%
Life Members	762	819	57	7.5%
<b># Members / Licensees</b>	<b>11,866</b>	<b>12,471</b>	<b>605</b>	<b>5.1%</b>
Resignations	365	399	34	9.3%
Permission to Consult Apps	652	436	(216)	(33.1%)
Certificates of Authorization	1,178	1,223	45	3.8%

Brackets indicate (decrease)

The Saskatchewan economic boom has been mirrored in the growth of our membership: 2005 (+5.7%); 2006 (+6.5%); 2007 (+7.5%); 2008 (+9.7%); 2009 (+10.6%); 2010 (+5.9%); 2011 (+9.7%); 2012 (+12.9%); 2013 (+7.4%); 2014 (+5.8%); and 2015 (+5.1%).

## Investigation Committee

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*The Engineering and Geoscience Professions Act* and bylaws state that APEGS has the responsibility and jurisdiction to investigate complaints alleging professional misconduct and/or professional incompetence of its members, licensees or holders of a Certificate of Authorization. To fulfill this requirement, APEGS maintains the Investigation Committee, composed of volunteers from its membership as well as one public appointee. To maintain confidentiality and fairness in the investigation process, the Investigation Committee completes its investigations independently of the Discipline Committee and the APEGS Council.

The Investigation Committee initiates the investigation process either when a written complaint is received or when requested by APEGS Council. The investigation process is led by the volunteer members of the Investigation Committee with support from APEGS staff and legal counsel, and includes gathering, examining and weighing evidence, generally over the course of multiple meetings. The full investigation process can take more than a year to complete, especially in more complex cases. In cases where the Investigation Committee requires additional information related to the subject matter or assessment of the conduct of the member, the Committee can request APEGS staff to commission an expert to review evidence and provide an opinion.

Upon completion of its investigation, the Committee can conclude that the matter be forwarded to the Discipline Committee for a hearing, or it may recommend that no further action be taken. These conclusions are presented to the complainant, the member being complained against, the APEGS Council, and the Chair of the Discipline Committee in a written report. When the Investigation Committee recommends that no further action be taken, complainants may request that Council review the recommendation if they feel that the Investigation Committee did not fully and fairly follow the investigation process.

The Investigation Committee held five face-to-face meetings during 2015. One case was carried forward from 2013 and nine cases were carried forward from 2014. Two new cases were received at the end of 2015 and will be investigated in 2016. During 2015, a total of three investigation files were closed. Two of these recommended no further action be taken. One case was forwarded to the Discipline Committee with a recommendation for a hearing. As of January 1, 2016, nine case files remain under investigation.

In total, 15 individuals work together to complete the objectives of the Investigation Committee. Thank you to the 11 APEGS member volunteers, and to the Committee's public appointee, for their valuable contributions of volunteer hours and expertise. The Investigation Committee also receives external legal counsel and ongoing support from APEGS staff. Thank you to legal counsel and staff for their outstanding efforts in supporting the work of the Investigation Committee.

Respectfully submitted,

Erin Moss Tressel, P.Eng.  
Chair



## Discipline Committee

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Under provisions of *The Engineering and Geoscience Professions Act and Regulatory Bylaws*, the Discipline Committee has the responsibility to act on formal complaints referred to it by the Investigation Committee. A Discipline Hearing Panel, constituted from the Discipline Committee, hears complaints regarding the conduct of individuals and/or corporations registered with, and under the authority of, the Association to determine whether such conduct constitutes professional misconduct or professional incompetence. Where the Discipline Hearing Panel finds that conduct constitutes professional misconduct or professional incompetence, it issues appropriate disciplinary orders. Decisions of the Discipline Hearing Panel are open to appeal only through the courts. In 2015, one formal Discipline Hearing Panel was convened for a case that was referred to the Discipline Committee. The results of this hearing will be published in *The Professional Edge* once the appeal deadline has passed.

The Act requires that the Discipline Committee receive closing reports from the Investigation Committee upon closure of an investigation that does not result in a formal complaint to the Discipline Committee. In 2015, the Chair of the Discipline Committee received two closing reports from the Investigation Committee. The reports were reviewed in confidence by the Chair and destroyed.

The year saw the Chair of the Discipline Committee step down and the appointment of a number of new committee members, including a new Chair and Vice-Chair. Many thanks to our outgoing members!

APEGS hosted a Professional Investigation and Discipline Workshop at the end of October in Regina. It was attended by a number of other professional organizations and was very well received. The Committee officially met three times in 2015.

I would like to thank our committee support, Shawna Argue, P.Eng., FEC, FCSSE, FGC (Hon.) and Tina Maki, P.Eng., FEC, FGC (Hon.) as well as others for their work to help with the business of the Committee and preparing for the hearing.

Respectfully submitted,

Grant Gingara, P.Eng.  
Chair

## Governance Board

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The work of the Governance Board is vital to the fulfillment of APEGS' mandate and statutory objects to protect the public by ensuring high standards of engineering/geoscience practice and education and by setting high standards for admission into the professions.

Among its duties, the Board interprets and administers APEGS policies on registration and corporate practice, and related matters concerning responsible self-governance. It also makes recommendations to the APEGS Council regarding changes to existing policy and the development of new policies in those areas.

The Board promotes an understanding of the practice of engineering and geoscience and its scope among employers, government and the public. It also provides a clear, consistent and equitable process for identifying and registering engineers and geoscientists qualified to work in Saskatchewan.

The Board functions through a number of committees made up of volunteers from the APEGS membership. The Academic Review, Experience Review, Licensee Admissions, Professional Practice Exam, Registrar's Advisory and Legislative Liaison Committees report to the Governance Board. The Board is chaired by the APEGS president and is composed of the committee Chairs and Liaison Councillors from these six committees. The APEGS representative to the Saskatchewan Construction Panel also sits on the Board.

Over the past number of years, APEGS has seen significant growth in the number of applicants for membership and registration. The committees of the Governance Board, in particular the Academic Review Committee and the Experience Review Committee, have experienced significant growth in their workloads as a result of the increase in applications, which have reached record numbers in 2015. To ensure that applications are dealt with by our Association in a timely manner, the committees have recruited new volunteers and have streamlined their processes to facilitate the increased workload. I want to express my sincere appreciation to this dedicated group of volunteers who play a pivotal role in the function of APEGS.

Additional items of note include the Licensee Admissions Committee's addition of a category to the Licensee Admission table, defining a route to licensure for individuals successfully completing a minimum of two years of post-secondary education in engineering, geoscience or related science (with correspondingly appropriate years of related work experience), and APEGS participation in the Canadian Environment Experience pilot project of APEGBC.

Each of the reports which follow present the details of the objectives, activities

## Academic Review Committee

and accomplishments of the various committees that form the Governance Board. Thank you to the many volunteers who have generously given their time, talent and insights to the committees of the Governance Board. And thank you to the many employers who support their employees as they give back to our professions.

On behalf of the Board, I also want to acknowledge and thank Tina Maki, P.Eng., FEC, FGC (Hon.), APEGS Director of Registration, for her coordination of the Governance Board activities and agenda this year. I would also like to thank Dennis Paddock, P.Eng., FEC, FCSSE, FCAE, FGC (Hon.), APEGS Executive Director and Registrar; Kate MacLachlan, P.Geo., FGC, FEC (Hon.), APEGS Director of Academic Review; Shawna Argue, P.Eng., FEC, FCSSE, FGC (Hon.), APEGS Director of Education and Compliance; and the rest of the APEGS staff for their help with Governance Board activities.

Respectfully submitted,

Margaret Anne Hodges, P.Eng., FEC  
Chair

The Academic Review Committee (ARC) is a volunteer committee composed of 19 voting members and 14 non-voting reviewers and ad hoc special advisors. The Committee is responsible for reviewing the academic preparation of applicants for professional membership in APEGS. ARC's mission is to administer the policy and procedures established by Council for the review of the academic qualifications of individuals applying for membership in the Association, and to make recommendations to the Executive Director and Registrar following the completion of those reviews as prescribed in section 20(1) of *The Engineering and Geoscience Professions Act*. Individuals who have graduated from a CEAB-accredited Canadian program in engineering, are registered in another Association/Ordre in Canada or who otherwise fall under the Registrar's Acceptance List are expeditiously registered as members-in-training without a detailed academic review by ARC. The primary focus of ARC is the review of applicants with an international bachelor level education in engineering or geoscience, and Canadian geoscience applicants who have been referred to the Committee by staff (there is no national accreditation of geoscience programs in Canada). ARC meets every six weeks for two to three hours.

The assessment of applications by ARC can take up to a year to complete once all documentation has been received. The assessment is required to determine if an applicant has a degree equivalent in breadth and depth to a Canadian degree and, if not, to identify any deficiencies in his or her program of study. Along the way, the ARC advises applicants of any deficiencies and provides a clear road map for the applicant to correct any identified deficiencies. When the assessment reveals that an applicant does not have any deficiencies, or, alternately, once the applicant has fulfilled previously assessed deficiencies, they will usually be assigned three confirmatory exams. These exams are intended to confirm that the applicant's engineering or geoscience program is at a level comparable to a similar engineering or geoscience program in Canada. The confirmatory exams may be waived by the ARC at the recommendation of the assigned Committee reviewer, if the applicant has five or more years of acceptable and progressively more responsible engineering or geoscience work experience at a professional level, as determined by a referral of the file to the Experience Review Committee (ERC), or if the applicant holds a graduate degree from an acceptable university program in engineering or geoscience, as the case may be, as determined by the ARC.

During 2015, ARC processed 269 files versus 226 in 2014. Of those files processed, ARC reviewed files from 209 new applicants in engineering (29 in geoscience), compared to 192 new engineering applicants (15 new geoscience applicants) in 2014. From these reviews, the ARC recommended 44 engineering

## Licensee Admissions Committee

applicants' files (vs 46 in 2014) proceed to the Registrar for registration (some of those following the completion of exams); in geoscience, ARC recommended 13 applicants' files (vs 7 in 2014) proceed to the Registrar for registration. There were 64 engineering applicants (1 geoscience applicant) who were assigned confirmatory exams, and of those, 42 engineering applicants (zero geoscience) were given the option to submit work experience reports to ERC to be assessed with a potential outcome of having the exams waived. There were 108 engineering applicants (12 in geoscience) who were assessed deficiencies and given the option to remedy them with coursework or exams. Ultimately, of all engineering applications brought before ARC, 7 were denied (4 geoscience applicants denied). The 2014 numbers presented here differ from those in last year's report because they were broken down more thoroughly this time.

Over the past seven years, the number of files referred to ARC has significantly increased. In response, the Committee has revamped and simplified its review processes, and in 2015, ARC changed its process for a limited number of applicants from institutions that are well known to ARC, to provide APEGS staff the discretion to review and, if prudent, process for registration without committee review. ARC continually looks for ways to improve its policies and process while maintaining its due diligence to ensure protection of the public.

Without its diversely experienced and skilled volunteers, ARC would be unable to complete its mission. We are fortunate to have Committee members who possess fluency in a number of languages, personal knowledge of foreign post-secondary educational institutions and have personal experience with ARC processes leading to their professional registration in Saskatchewan. As a result, ARC provides a thorough, fair and equitable assessment of applicants' academic qualifications.

The Academic Review Committee would like to express its sincere appreciation for the hard work of staff at APEGS and for the exemplary service of our volunteers, both current and retired, who have contributed greatly to the success of ARC and APEGS. I would like to thank Kate MacLachlan, P.Geo., FGC, FEC (Hon.) for providing very capable leadership and continuity so that volunteers are able to accomplish the Committee's goals each year.

Respectfully submitted,

John A. Styles, P.Eng., FEC  
Chair

An APEGS Restricted Licence allows individuals who do not satisfy the regular requirements for professional recognition, but have a suitable combination of education and experience, to practise professional engineering or geoscience within a specific scope of work. The Licensee Admissions Committee is responsible for reviewing these applications and for defining each individual scope of work based on education, training and expertise.

The committee met three times in 2015, resulting in 11 new Licensee approvals. In addition to these 11 Licensees, seven applicants for interprovincial mobility were approved directly through the Registrar's Acceptance List. There are currently a total of 69 APEGS members who are registered as either Engineering Licensees or Geoscience Licensees.

Topics of interest to the committee during the year have been, and in some cases are still:

- Backdating the probation period for applicants whose experience exceeds the minimum requirements;
- Redesign of the Licensee approval process (approval through the Registrar's Acceptance List);
- Determination of educational admission equivalency for applicants with post-secondary education, but lacking diploma or degree; and
- Development of the APEGS Value Proposition Initiative and Action Roster.

For questions regarding Engineering Licensee or Geoscience Licensee, please contact Shawna Argue at the APEGS office: 306-525-9547, Toll free 1-800-500-9547 or by email at [sargue@apegs.ca](mailto:sargue@apegs.ca)

The Committee would like to thank Director Shawna Argue, P.Eng., FEC, FCSSE, FGC (Hon.) whose assistance and patience is invaluable.

The Committee will continue promoting the Licensee program and looks forward to a steady membership growth in the coming years.

Respectfully submitted,

Mike Detharet, P.Eng.  
Chair

## Experience Review Committee

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Under the jurisdiction of the Governance Board, the Experience Review Committee administers the policy and procedures established by Council for the review of work experience reports of members-in-training and other individuals applying for professional membership with the Association. The committee makes recommendations to the Registrar following completion of those reviews.

Over the course of nine meetings, the 34 members of the Experience Review Committee reviewed 1,365 work experience reports from 983 applicants, setting yet another record. This is an increase from the 1,310 reports reviewed in 2014 and 1,298 reports reviewed in 2013.

The Committee would like to thank the eight retiring members whose terms ended in 2015 for their hard work and dedication, with special thanks to Mr. Dan Bonnet, P.Eng., for his leadership and contributions to the Committee in his time as Chair. As we look forward to another busy year, the Committee is pleased to welcome 11 new members. Without volunteers such as these, it would be impossible for the Experience Review Committee to fulfill its mandate.

The Committee would also like to thank Tina Maki, P.Eng., FEC, FGC (Hon.) and all other APEGS staff for the support they have provided in 2015.

Respectfully submitted,

Kevin Traves, P.Eng.  
Chair

## Professional Practice Examination Committee

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The mandate of the Professional Practice Exam Committee is to coordinate and direct the Law and Ethics Seminars and to oversee the setting and administration of the Professional Practice Exam.

APEGS holds the Law and Ethics Seminar in Saskatoon in the spring and in Regina in the fall each year. Each seminar runs for two days and focuses on preparing new members for the roles and responsibilities of Professional Engineers and Professional Geoscientists in society. The seminar also helps prepare the participants for the Professional Practice Exam. The major areas covered by the seminar include:

- An introduction to the Association;
- Key laws and regulations for geoscientists and engineers; introduction to the Act and Bylaws;
- Investigation and discipline processes of the Association;
- Professional conduct, ethics and responsibilities; and
- Continuing Professional Excellence.

The spring seminar was held in Saskatoon on April 10 and 11, 2015 with 185 registrations and the fall seminar was held on September 25 and 26, 2015 in Regina with 149 registrations. The Professional Practice Exam is offered twice a year and is written a number of weeks after each seminar. A total of 191 people wrote the spring exam on May 30, 2015 with two failures and 153 people wrote the fall exam on October 31, 2015 with three failures.

Respectfully submitted,

John Baron, P.Eng.  
Chair

## Registrar's Advisory Committee

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The Registrar's Advisory Committee reports to the Governance Board. The Committee is composed of five members: the Chairs of the Academic Review Committee, Experience Review Committee, Licensee Admissions Committee, Professional Practice Exam Committee and a Liaison Councillor appointed by Council. The Registrar will call on the Registrar's Advisory Committee to provide a recommendation on how to proceed with an application for membership or licensure should any question of character arise. The Committee uses the Good Character Guideline established by Council as its guide when making decisions.

The Committee met twice in 2015 to consider a question of character on two applicants and to consider if any changes are needed in application declarations. Work is ongoing regarding the declarations. Outcomes of cases are published in *The Professional Edge* for the information of members, applicants and the public.

The Committee would like to thank Tina Maki, P.Eng., FEC, FGC (Hon.), Kate MacLachlan, P.Geo., FGC, FEC (Hon.), Bob McDonald, P.Eng., FEC, FGC (Hon.) and all other APEGS staff for the support they have provided in 2015.

Respectfully submitted,

Registrar's Advisory Committee

## Legislative Liaison Committee

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The Legislative Liaison Committee monitors demand-side legislation and proposed regulations, to assess potential effects on the Association and its members related to the practice of engineering and geosciences in Saskatchewan.

Five new Bills were introduced at the spring sitting of the Legislative Assembly which commenced on March 2, 2015, and concluded on May 14, 2015. Six new Bills were introduced at the fall sitting of the Legislative Assembly, which commenced on October 13, 2015 and concluded on November 26, 2015. A total of 11 Bills were monitored during the year. The 11 Bills that were monitored have no direct effect on the Association and its members, related to the practice of engineering and geosciences in Saskatchewan.

Respectfully submitted,

Myron Herasymuik, P.Eng., FEC  
Chair

## Saskatchewan Construction Panel

The Saskatchewan Construction Panel (SCP) is a forum for exchange of ideas between the public and private sectors of the construction industry. Topics such as construction research, industry activity, limitation of liability, PST, fees and services, government tendering policy, consultant contracts and construction contracts are ongoing topics of discussion.

During 2015 the Saskatchewan Construction Panel (SCP) operated under the budget of the Minister of Economy. The Co-Chairs are Mark Cooper, president of the Saskatchewan Construction Association, and Warren Michelson, MLA for Moose Jaw North. These people represent the construction industry and government respectively.

A working group representing the Saskatchewan Construction Panel worked with a consultant, KPMG, to study the potential for “Harmonizing Capital Construction Procurement.” A number of recommendations were made and a final report dated June 2015 was published.

At a September meeting there was discussion on the topics which would be pursued and the priorities. The working group continues to work on Harmonizing of Capital Construction Procurement and is making progress with further meetings planned for 2016.

Respectfully submitted,

Gordon Beck, P.Eng., FEC  
APEGS representative to the Saskatchewan  
Construction Panel

## Image and Identity Board

The Image and Identity Board promotes the value of engineering and geoscience within the professions and to the public through member engagement and recognition, and through communications both to members and non-members. Following are some of the activities under the purview of the Board:

- Informing APEGS members and the public about the Association and its activities;
- Promoting and encouraging member participation in Association activities;
- Raising the public profile of the professions;
- Developing, coordinating and implementing programs and activities that benefit members;
- Promoting equity-based participation in the professions;
- Providing recognition for deserving members and projects;
- Providing a channel for technical input and communication on public policy issues of concern to the professions;
- Developing policy related to Board responsibilities.

The Image and Identity Board is chaired by the APEGS president-elect and is composed of the Chairs and Liaison Councillors from the five standing committees that report to the Board. Details of the committee objectives and activities are well documented in the committee reports that follow. The following highlights deserve mention:

The Professional Edge Committee successfully released their pilot e-zine version of *The Professional Edge* for the September/October edition, aptly themed “Science Fiction.” After a few enhancements based on feedback from the pilot, it is expected that the e-zine will become a regular feature of the publication.

The Communications and Public Relations Committee conducted focus groups to get feedback from the public for upcoming media campaigns. Early evaluation of the results indicates that building on the slogan “We See More” is the way to go. Keep an eye/ear out for enhanced awareness messages later in 2016.

The Connection and Involvement Committee continues to work with Martin Charlton Communications to put the final touches on the online orientation for volunteers. The fall volunteer event was conducted in partnership with the Professional Development Committee this year, with an appreciation dinner, including entertainment, in between two full days of professional development.

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Further work will be done on enhancing the synergy between these two committees. The Connection and Involvement Committee is also working on improving the connections between APEGS and its constituent associations.

The Through the Decades – We See More theme of the Annual Meeting in Regina gave opportunity for attendees to appreciate the various engineering and geoscience achievements in the province over the last century. The slide show of Association Council photos also provided various challenges from identifying ourselves or others to determining changing trends in demographics and hair and clothing styles. We were also happy to accept the praise and compliments for our contributions to society by the keynote speaker, Lowell Catlett.

The Awards Committee has been redoubling their efforts this year to reach out to our membership for award nominations, both for our own awards and for national awards. They are also excited to be presenting the new physical award for the first time at the 2016 ceremony. The Image and Identity Board approved the Awards Committee nominees, acknowledging the worthy recipients of seven APEGS awards which were presented at the Annual Meeting, and congratulating those members bestowed with the Fellow of Engineers Canada (FEC) and Fellow of Geoscientists Canada (FGC).

The Equity and Diversity Committee currently has three very active subcommittees dedicated to addressing issues pertaining to equity and diversity within the professions. The Aboriginal Subcommittee is continuing its work with strategic partners, including the universities within the province. The subcommittee also sent representatives to an international conference in Phoenix this fall to get further ideas for enhancing the representation of Aboriginals in our professions. The women's subcommittee, rebranded as the Women of APEGS, hosted their first WC2 (Women Celebrating Community with Wine, Cheese and Chocolate) networking event in Saskatoon and plan to hold a similar event in Regina. They are excited to address the challenge to meet the Engineers Canada 30 by 30 goal (30 per cent of new professionals being women by the year 2030) in the coming years. The Visible Minorities and International Graduates Subcommittee has initiated a partnership with the Open Door Society and hopes to continue this trend with other similar groups. They are also evaluating ideas from other jurisdictions for providing more support to our ethnically diverse membership.

I would like to thank the APEGS staff and the members of the Image and Identity Board for their dedication and assistance throughout the year. It is often difficult to find the appropriate focus for the types of activities undertaken by this board given the primarily regulatory nature of the Association, but the staff and volunteers have embraced the challenge and enhanced delivery of their objectives towards increased benefit to APEGS as a whole.

Respectfully submitted,

Tara Zrymiak, P.Eng., FEC  
Chair

## Awards Committee

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The mandate of the Awards Committee is to pursue recognition for members' achievements by:

- Reviewing criteria of awards established by Council;
- Developing criteria for new awards to be recommended for establishment by Council;
- Searching for candidates, reviewing nominations and making recommendations to the Image and Identity Board for recipients of awards established by Council, annually;
- Searching for candidates and making recommendations to the Image and Identity Board for submission of nominations of members for local, provincial, national and international awards offered to engineers or geoscientists, when appropriate;
- Searching for candidates and making recommendations to the Image and Identity Board for submission of nominations of members for other awards as deemed appropriate by the Awards Committee, the Image and Identity Board or Council; and
- Searching for candidates and making recommendations to the Image and Identity Board for submission of nominations of members for Fellowship of Engineers Canada and/or Geoscientists Canada.

The Awards Committee reviewed many excellent nominees for the seven APEGS awards. Four individual recipients were chosen for their exemplary work in the areas of engineering/geoscience achievement, service to the professions, and service to the community. One individual who is not an APEGS member was recognized for her exceptional achievements or unique contributions in the promotion of the professions.

One outstanding project delivered by a team of Saskatchewan engineers and geoscientists and one environmental project were recognized.

The seven awards presented at the 2015 Annual Meeting Awards Banquet were:

- Brian Eckel Distinguished Service: Professor Arthur L. Opseth, P.Eng., FEC, FGC (Hon.)
- Outstanding Achievement: Charles Harper, P.Eng., P.Geo.
- McCannel Service: Dena McMartin, P.Eng., FEC
- Promising Member: Jerad Kupiec, P.Eng.

- Exceptional Engineering and Geoscience Project: SaskPower's Boundary Dam Carbon Capture and Storage Project
- Environmental Excellence: The Saskatchewan Ministry of Environment for its results-based regulatory reform including the Saskatchewan Environmental Code.
- Friend of the Professions: Pat Faulconbridge

In addition, five APEGS members received recognition from Engineers Canada for their noteworthy service to the engineering profession and were bestowed with the title of Fellow of Engineers Canada (FEC) or Honorary Fellow of Engineers Canada, FEC (Hon.). Similarly, five APEGS members received recognition from Geoscientists Canada for their noteworthy service to the geoscience profession and were bestowed with the title of Fellow of Geoscientists Canada (FGC) or Honorary Fellow of Geoscientists Canada, FGC (Hon.).

2015 was the second year for the APEGS Member Education Grant. This Grant was established to support APEGS members returning to further their education in graduate studies at either the University of Regina or the University of Saskatchewan. The two recipients for 2015 were Carrie J. Gillis, Engineer-In-Training, University of Saskatchewan, and Phillip L. Moleski, P.Eng., University of Regina.

In 2014, the Awards Committee decided that the format of the "award" given to recipients should be reviewed. In 2016 the Committee is pleased to be presenting the resulting new APEGS award, designed and crafted by Saskatchewan artist Joe Fafard.

I would like to take this opportunity to thank the members of the Awards Committee for their efforts and diligence in the selection of very deserving award recipients. Special appreciation goes to APEGS staff members for their continued support of the Awards Committee.

Respectfully submitted,

Sandra Foster, P.Geo., FGC, FEC (Hon.)  
Chair



## Connection and Involvement Committee

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An important role of the Connection and Involvement Committee (C&I) is to assist APEGS and its constituent societies with providing membership services. Engineering members of APEGS are automatically assigned to a constituent society by their location. Geoscience members may be required to register to become an active member with their constituent society, and this is highly encouraged. The C&I is also tasked with organizing the APEGS Annual Meeting and Professional Development Conference (AM), developing and maintaining membership benefits and affinity programs, and providing volunteer management.

The 2015 AM, Through the Decades – We See More, was held in Regina on April 30, May 1 and 2. There were several streams of seminars and tours for members and time for networking and catching up with friends and colleagues. The Professional Development Luncheon on Friday, May 1 included keynote speaker Dr. Lowell Catlett, a futurist and expert in agricultural economics, presenting what is best described as half TED Talk, half stand-up comedy routine. On Saturday, May 2, the Business Meeting was an opportunity for members to meet their Council members, vote on APEGS motions and receive reports. The day ended with Council and committee meetings followed by the Awards Banquet. The theme for the 2016 AM is Evolving Professionals, with keynote speaker Jesse Hirsh, best known for his work as a technology reporter on CBC.

The C&I continues to deliver the Annual Salary Survey to provide APEGS members with salary baselines under several categories. Saskatchewan members are invited to complete the survey at the beginning of each year. The information is compiled and the results are posted in *The Professional Edge* and on the website, usually in May/June of that year.

The C&I has completed the review of current APEGS member benefits and has developed an APEGS member benefits brochure. The brochure has been printed and distributed with the annual dues notices that were mailed to the members at the end of 2015. The brochure outlines the benefits automatically available to all APEGS members, with reference to the APEGS website for the current and up-to-date benefits.

Part of the mandate of the C&I is to ensure that APEGS volunteers are properly oriented to their volunteer role and are familiar with our Act and Bylaws. With the demands of work, family and other personal commitments, our volunteers' time is limited. The C&I will soon be launching an online orientation module for volunteers. All volunteers, in waiting, new and current will be encouraged to complete the online module.

The first annual Volunteer Appreciation Event, in partnership with the

Professional Development Committee's Fall Professional Development Days, was held in Saskatoon on November 5, 2015. The C&I focused on showing appreciation to APEGS volunteers by hosting an enjoyable evening of entertainment, networking and dinner in addition to covering the costs for active APEGS volunteers to attend the Fall Professional Development Days sessions. The C&I will continue to work in partnership with the Professional Development Committee in hosting the Volunteer Appreciation Event in conjunction with the Fall Professional Development Days.

Respectfully submitted,

Jaylyn Obrigewitsch, P.Eng.  
Chair

## Professional Edge Committee

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The Professional Edge Committee mandate is to publish current and relevant articles regarding subject areas of interest to the Saskatchewan community of professional engineers and geoscientists. To meet this mandate the Professional Edge Committee publishes *The Professional Edge* once every two months. In addition to publishing *The Professional Edge*, the committee mandate includes setting business and publishing policy.

*The Professional Edge* covers a wide array of topics and articles. Each edition focuses on a central theme that relays at least one unique aspect of engineering or geoscience in Saskatchewan. It is the Committee's intent to provide a balanced perspective regarding the articles contained in the publication and to engage as many different areas of interest as possible among the large and diverse membership. It is also the Committee's intent that each issue contains relevant material for all readers. To this end, the Committee invites members' input and ideas for articles to be included in the publication.

Publications for 2015 included the following themes:

- Profiles in Achievement (January/February)
- Super Structures (March/April)
- Annual Meeting (May/June)
- Seven Engineering and Geoscience Wonders of Saskatchewan (July/August)
- Science Fiction Special Feature (September/October)—first edition of the e-*Edge* electronic magazine
- Continuing Professional Excellence (November/December)

*The Professional Edge* remains a print magazine. The September/October issue marked the first TRUE foray into electronic magazine publishing beyond the production of a portable document format (pdf) export of the print magazine. The Committee worked with Martin Charlton Communications to develop a truly mobile version of the magazine, a version that automatically adjusts to the form factor of modern mobile devices. The Committee has received overwhelming support to proceed with the electronic magazine for all six issues in 2016. The Committee will continue to monitor the uptake of the electronic magazine as well as the readership of the printed version. It is expected that a combination of both the print and electronic versions of the publication will continue to be used for *The Professional Edge* for the next few years at a minimum. Members are encouraged to share their thoughts regarding the publication with the Edge Committee—send email to [apegs@apegs.ca](mailto:apegs@apegs.ca) or call the APEGS office.

The publication of *The Professional Edge* is aided greatly by the work of the members of the Professional Edge Committee, the writing skills of Ashleigh Mattern and the editorial skills of Lyle Hewitt, Martin Charlton Communications. The Committee acknowledges the significant contributions of the volunteers who served on the Committee over the past number of years. The Committee wishes to express its gratitude to the APEGS staff for their ongoing support.

Respectfully submitted,

Robert Schultz, P.Eng.  
Chair

## Communications and Public Relations Committee

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The Communication and Public Relations (CPR) Committee reports directly to the Image and Identity Board and works in partnership with other committees within APEGS to raise the awareness and profile of both our professions and our Association with the following audiences:

- General public
- Business
- Governments & Politicians
- APEGS Members
- Other Professional Organizations

The Committee has been working on a three-year cycle, developing a multimedia campaign which primarily utilizes billboards, radio, web media and print media as a means of reaching our target audiences. Print media will be utilized to reinforce our messaging throughout the year.

The “We See More” campaign, initiated in 2013, incorporated the two sub-messages of “prosperity” and “safety,” and continued in 2015. This multimedia campaign focused on Engineering and Geoscience Week and featured 30-second television ads together with strategically placed billboards. Additionally, Internet pre-rolls were incorporated into the campaign in the fall of 2015. This four-year program continues through the 2016 Engineering and Geoscience Week.

Another initiative included the revamping of the APEGS website, with both the front and back ends targeted for updating. The back end work improved the productivity of the APEGS staff and the volunteer committees, while making it easier for engineers and geoscientists to interact with the Association. The front end design work improved the layout and flow of the website to better serve the members, future members and the public in general. While the website went live in January 2014, there are still some modules being developed which will be rolled out in the coming months.

The Committee has been well served in 2015 by all volunteer members who have generously contributed their time and talents. I extend a special thank you to our former committee members for their contributions. I would also like to thank Martin Charlton Communications for their enthusiasm and initiatives and the APEGS staff, who have helped immensely with assisting this committee in its endeavours.

Respectfully submitted,

Robert J. Berry, P.Eng., FEC  
Chair

## Equity and Diversity Committee

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The Equity and Diversity Committee (E&D) mandate is to provide leadership for the Association on equity and diversity matters and foster an understanding among all APEGS members of the role of equity and diversity in the engineering and geoscience professions and the importance of maintaining a respectful workplace.

The E&D currently consists of 11 members purposely selected to represent the diversity of individuals practising in our professions. The main committee meets approximately once per quarter to coordinate the activities of the subcommittees, provide resources to ensure subcommittee work is effective and to ensure alignment with the directions set by the Image and Identity Board and Council.

In 2015, our subcommittees were streamlined to provide more effective results for the membership. Currently Equity and Diversity includes the following subcommittees:

- Women of APEGS (formerly known as Women in Engineering),
- Aboriginal Persons, and
- Visible Minorities and International Graduates (formerly two separate subcommittees).

Issues pertaining to the Persons with Disabilities Subcommittee will be referred to the main E&D Committee in 2016.

During 2015, the E&D implemented the Initiatives and Action Roster rolled out in June by Council. After using this tool for the last couple of meetings, our subcommittees, along with the full E&D Committee, are tracking initiatives, identifying individuals responsible to manage the initiatives, prioritizing initiatives and determining the effort required to achieve meaningful results.

The Women in Engineering Subcommittee has been renamed the Women of APEGS (WoA) Subcommittee to better reflect our membership. This past year has included introducing the 30x30 initiative, networking events spotlighting women in the professions and supporting similar organizations such as Women in Mining and the Canadian Coalition for Women in Engineering, Science, Trades and Technology, CCWESTT. Work with other organizations, both in Canada and the United States, will continue to be a focus for 2016.

The Aboriginal Subcommittee is working at growing its network by enhancing existing as well as establishing new relationships with corporate entities. It is focusing on the national level for learning opportunities and has established a connection with the American Indian Science & Engineering Society (AISES)

## Education Board

which has one of the more advanced programs for getting Aboriginal people involved in sciences in North America. The subcommittee is looking to come up with ideas to disseminate ideas more effectively in 2016 to Aboriginal APEGS members who are more likely to be spread out in northern communities rather than to be found in larger centres like Saskatoon and Regina.

The Visible Minorities and International Grads Subcommittee is looking at other jurisdictions for ideas to provide support to our members in this category. In Manitoba, APEGM has facilitated the creation of ethnic chapters such as Chinese, Indian, Filipino, etc., for networking and support of their international graduate members. The subcommittee is investigating starting similar ethnic chapters in Saskatchewan in 2016.

The E&D recognizes APEGS staff for their help with some of the initiatives in 2015 and looks forward to highlighting results from this group during the 2016 Annual Meeting and Professional Development Conference.

Respectfully submitted,

Peter Zrymiak, P.Eng.  
Chair

The Education Board provides information and opportunities to our future professional engineers and geoscientists, ensures our current members are developing on professional and personal levels and is engaged in sustainability and environmental issues. There are four standing committees reporting to the Education Board:

- Kindergarten to Grade 12 Committee (K-12): The committee's mandate is the promotion and encouragement of science, technology, engineering and mathematics education and experiences to K-12 students, parents and educators. Major activities include outreach and sponsorship of student groups, organizations and educators, as well as support for development of curriculum and teacher resources.
- Student Development Committee (SDC): The committee's mandate is the promotion and encouragement of science and engineering to post-secondary students and faculty. The committee provides grants and other supports for the major student societies and special interest groups at the two universities. A key longer term initiative is the development of a student mentorship program that will assist students through their academic programs and entry into the professions.
- Professional Development Committee (PDC): The committee's mandate is to provide professional development opportunities for APEGS members and to promote and maintain the Continuing Professional Development program. The committee was responsible for planning and delivering PD Day at the APEGS Annual Meeting and the fall PD Days in Saskatoon. Considerable effort is being given to education of members about CPD responsibilities, with the goal of increasing CPD reporting.
- Environment and Sustainability Committee: The committee's mandate is to guide and bring awareness and learning opportunities to APEGS members and committees on environmental and sustainability issues, trends and responsibilities. Major initiatives under way include a series of *Edge* articles, training and education events with other committees of the Education Board, and liaison with Engineers Canada and Geoscientists Canada.

Two members of the Education Board serve on the senates of the University of Regina and University of Saskatchewan. Enrolments in engineering and geosciences are generally either stable or increasing at both universities, reflective of the strong long-term demand for engineers and geoscientists within the provincial and regional economies.

APEGS is well served by strong and dedicated leaders and members for all of

## Professional Development Committee

the Education Board committees and as senate representatives. Opportunities exist for new members, who will find the work of the committees to be very rewarding. The committees and the Board have been fortunate in 2015 to be extremely well supported by the APEGS office, and particularly by Patti Kindred, P.Eng., FEC (January to May) and Shawna Argue, P.Eng., FEC, FCSSE, FGC (Hon.) (September to December).

Respectfully submitted,

Ernie Barber, P.Eng., P.Ag.  
Chair

The Professional Development Committee (PDC) promotes and encourages the professional growth and continuing education of all members of APEGS. We do this by offering members various opportunities for obtaining professional development (PD), educating members on the requirements of the Continuing Professional Excellence (CPE) program, and helping members maintain their competence and stay current in their chosen field, which is a requirement under the APEGS Code of Ethics.

PDC was once again active in 2015 organizing Professional Development opportunities for members, by assisting with the planning and deliverance of the PD Day at the APEGS 2015 AGM (Regina) and the fall PD Days in Saskatoon. The PDC's Fall Professional Development Days focused primarily on integrating climate change and infrastructure, ethics and technology, presentation training and handling the media. There was a positive response to the PD Days sessions and they were well attended. In addition, PDC arranged for a "Practical Writing for Technical Professionals" course presented by RGI in Regina and Saskatoon in May 2015.

The PDC has been working diligently on the three-year plan introduced in 2013 to enhance professional development opportunities. We have increased the number and frequency of PD opportunities, are conducting a review of the CPE program through a subcommittee, have retained the services of EyeInspire to help plan and facilitate our PD events, are adding new members to our committee and have finalized our APEGS Initiatives and Actions Roster. A new Vice-Chair was appointed to our committee at the end of 2015.

The PDC is also closely monitoring developments in Continuing Professional Excellence and Professional Development in our sister associations. We have formed a subcommittee to work on improving the CPE reporting and tracking on the APEGS website, review the CPE Members Guide and examine the future PD requirements both locally and at the national level.

In closing, we would like to thank our fellow APEGS committees and our constituent organizations. We would especially like to recognize the contributions of the APEGS office staff, APEGS Environment and Sustainability Committee, APEGS Connection and Involvement Committee, Engineers Canada, the Regina Engineering Society and the Saskatoon Engineering Society.

Respectfully submitted,

Terry Werbovetski, P.Eng., FEC  
Chair

## Student Development Committee

The Student Development Committee's mandate is the promotion and encouragement of science and engineering to engineering/geoscience students and engineering/geoscience faculty and to liaise with students and faculty at other related post-secondary institutions.

In 2015, APEGS promoted several enriching endeavours.

- U of S hosted the Conference on Diversity in Engineering;
- University of Saskatchewan Space Team (USST) won first place at the European Rover Challenge 2015;
- U of S Sled Dogs 1/4 Tractor Team placed 6th at the 2015 ASABE 1/4 Scale Tractor International Student Design Competition; and
- U of R hosted the Western Engineering Students' Society Team (WESST) AGM Retreat.

The funding for 2016 has also been awarded, and the upcoming events can be seen below.

In 2015, the Committee started its APEGS – Initiatives & Actions Roster as part of the APEGS Value Proposition (AVP). Initiatives include:

- APEGS information to student review;
- APEGS university student mentorship review;
- Welcome package for student members to SDC; and
- Committee succession planning.

I look forward to updating the APEGS membership next year on our progress.

I would like to thank the members of the Committee and extend a special thank you to Shawna Argue, P.Eng., FEC, FCSSE, FGC (Hon.), staff liaison, and the APEGS staff for supporting the Committee throughout the year. We look forward to another successful year with you.

In closing, I would like to thank Patti Kindred, P.Eng., FEC for her support and guidance to the Committee over the past four years. We have accomplished so much and we could not have done it without her. Best wishes in her future endeavours.

Respectfully submitted,

Ashley Ransom, P.Eng., FEC  
Chair

Group	Grants	Sponsorship
<b>Regina Engineering Students' Society</b>	<b>\$6,130</b>	<b>\$15,175</b>
	WESST Executives Meeting	Western Engineering Competition
	CFES Congress	Regina Engineering Competition
	CFES Presidents Meeting	Canstruction
	Conference on Diversity in Engineering	Baja SAE International - Baja Competition
	Year 1 to 4 Reception	Engineers Without Borders
	WESST AGM Retreat	Global Engineering Competition
	National Engineering Week	World Mining Competition
<b>Saskatoon Engineering Students' Society</b>	<b>\$8,370</b>	<b>\$63,280</b>
	CFES Conference on Diversity in Engineering	Great Northern Concrete Toboggan Race
	CFES Presidents Meeting	U of S Aero Design Team
	WESST Executives Meeting	Huskie Motorsports
	WESST AGM Retreat	IEEE Illumination
	Western Engineering Competition	ASABE 1/4 Scale Tractor International Student Design Competition
	CFES Congress	USST University/European Rover Challenges, High Altitude Balloon
	Saskatoon Engineering Competition	xChange: EWB National Conference 2016
	Spectrum 2016	Environmental Engineering Students' Society ENVES Industry Tour
		Canadian Mining Games
<b>D.M. Kent Club</b>	<b>\$1,250</b>	<b>\$7,250</b>
	WIUGC 2016	PDAC 2016
		AMEbc Roundup
<b>Ore Gangue</b>	<b>\$1,250</b>	<b>\$3,200</b>
	PDAC 2016	WIUGC 2016
		Canmore 2016
		Core Lab Trip 2016
<b>TOTAL</b>	<b>\$17,000</b>	<b>\$88,905</b>

## K-12 Committee

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Through 2015, the K-12 Committee continued its activities with the aim of promoting STEM (science, technology, engineering and math) education to students and educators across Saskatchewan, spanning kindergarten to grade 12.

The Committee has begun work to develop a teacher resource which will complement the new secondary science curriculum. The resource will focus on providing information to students and teachers regarding careers in engineering and geoscience as they explore the environmental, earth and health sciences.

We support the “30 by 30” initiative put forth by Engineers Canada – to increase the proportion of newly licensed female engineers to 30 per cent by the year 2030. These future engineers are currently in elementary school and will benefit from encouragement and fostering of their interest in STEM subject areas. The Committee will continue to look for ways to provide this support.

The Committee offers outreach and sponsorship to various student groups, organizations and educators in our province. In 2015, this included, but was not limited to: EYES Science Camps (U of R); Sci-Fi Science Camps (U of S); SIEC Cardboard Boat Races (Saskatoon); the proposed Children’s Discovery Museum (Saskatoon); various robotics clubs (province-wide); Saskatchewan Science Fairs; the Regina District Industry Education Council; ASSIST; and the SK Scholastic Chess Association.

We greatly appreciate the support of APEGS member volunteers who have given their time through direct involvement in various outreach opportunities. We invite interested APEGS members to learn more about assisting the Committee over the coming years, as we hope to: revisit the career video project (see previously completed videos on the APEGS website); continue with resource development (in conjunction with the Ministry of Education); create and deliver hands-on and interactive appearances at career fairs; and other outreach opportunities.

Respectfully submitted,

Stacey Sirois, P.Eng.  
Chair

## Environment and Sustainability Committee

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Professional engineers and geoscientists provide a diverse range of services to the public and private sectors, from the development of natural resources and infrastructure, the design of new machines, processes and products to site remediation and management of waste. We work as key members of teams, and are counted on to safeguard the public and the environment in the practice of our professions.

The Environment and Sustainability Committee works closely with Engineers Canada and Geoscientists Canada to guide APEGS members to exercise due diligence in the execution of their work, which includes responsible environmental management.

Climate change has been referred to as the greatest threat the world is facing. More than ever before, people around the globe are facing challenges on a daily basis that are at least in some way related to development with which engineers and geoscientists are involved. The concept of sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs.

The Environment and Sustainability Committee was established in 1998 to assist APEGS in the facilitation of learning opportunities for members, raising awareness on environment and sustainability issues, monitoring environmental issues and trends and recommending responses and actions. The Committee works with other APEGS and Education Board committees to offer learning opportunities throughout the year – watch for more to come in 2016 related to climate change mitigation and adaptation.

Respectfully submitted,

Kevin Hudson, P.Eng.  
Chair

## University of Saskatchewan Senate

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There were two University of Saskatchewan Senate meetings held during the past year: April 25, 2015 and October 17, 2015.

Dr. Gordon Barnhart, acting president, was replaced by Peter Stoicheff on October 24, 2015. President Stoicheff was previously the Dean of the College of Arts and Science. It will be interesting to see how things progress under the new president as he is well versed in the planning and operation of the university.

Highlights of the year from the Senate meetings are as follows:

- Progress on the five-year plan and objectives is on schedule.
- Tuition hikes for 2016 have been announced to average 2.5 per cent with the College of Engineering having little change.
- The Graduate Students Society audit is progressing with no updates.
- The College of Medicine has succeeded in achieving full accreditation.
- The U of S was given \$37.2 million from the Canada First Excellence Fund over seven years. The university was one of five receiving this award, a first for the U of S.
- The board of governors has approved the hotel proposal east of the football stadium.
- An initiative is under way using the open textbook concept. Eight courses with 1,200 students are involved. This could save up to \$120,000.
- The financial concerns that had been a major issue appear to remain under control.

Total enrolment at the university for fall 2015 was 19,754, up 0.6 per cent. There were 16,869 undergraduates and 2,885 graduates. 74 per cent of the direct entry was from Saskatchewan, 9 per cent international and 17 per cent out of province.

Dean Georges Kipouras, P.Eng., College of Engineering, is retiring and temporarily being replaced by Donald Bergstrom, P.Eng. until a new dean has been named. The direction of the College continues to follow the 2012-2016 strategic plan.

The College of Engineering went through a CEAB accreditation process, following a new, outcomes-based approach involving assessments of pre-identified graduate attributes. The U of S College of Engineering was among the first accredited engineering schools in Canada to participate in the new process. Seven of the eight undergraduate engineering programs received full

accreditation for the maximum allowed six-year period through June 30, 2021. Environmental Engineering, a newly formed program, was awarded accreditation for three years to June 30, 2018.

The College of Engineering held the third annual Safety Days in September to make the students aware of safety. Spectrum was held January 14 to 17, 2016.

Respectfully submitted,

Rick Forbes, P.Eng., FEC, FGC (Hon.)  
APEGS representative to the University of  
Saskatchewan Senate



## University of Regina Senate

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The University of Regina has had a good year with increasing enrolments. The enrolment at the university has grown to 14,450 students, up 3 per cent from last year. These numbers include all federated colleges. First Nations University is up by 12 per cent, Luther College up by 8 per cent and Campion College is down by 3 per cent. Some notable changes in enrolment are: Continuing Education is up by 25 per cent, Engineering and Applied Science up by 8 per cent and Science up by 6 per cent. The number of Aboriginal students has increased to about 11 per cent. Unfortunately, the number in engineering is still quite low. There are about 1,765 international students, up by 14 per cent, and up 4 per cent for graduate students. Engineering now has 431 international students.

The Faculty of Engineering and Applied Science first year enrolment is now about 400 for 2015. This put great strain on all resources such as faculty and space. Some fourth year engineering classes are now near 100 students and, for example, the engineering law class is at 157 students. Engineering undergraduate enrolment has increased to 1,387 undergraduate students, an increase of 21 per cent from last year. This means that some classes may have to be offered more than once a year. Large classes create a huge pressure on teaching and marking loads. The Faculty likely cannot handle a steady first year enrolment of 400. The Faculty will also have to offer some courses at least twice a year.

Last year there were about 140 engineering graduates. Last spring there were a total of 71 projects presented and there were some very interesting projects.

Dr. Guoxiang Chi, P.Geo., head of Geology, reports that Geology has 148 undergraduate as well as 26 M.Sc. and 6 Ph.D. students. They currently have 9 faculty. They expect to hire a new lab instructor this summer. They have hired a new tenure track lecturer and a new lab instructor. They have also established a new petrographic teaching laboratory. Their new Environmental Geoscience program is formally established. The graduates from both Geology and Environmental Geoscience programs meet the requirements for registration with APEGS.

There are two new residences on campus that have 605 beds along with 90 new daycare spaces. There will be 150 new underground parking stalls to replace some of the surface spots that were on the building site.

The U of R had a small increase in the government grant in 2014 of about 1.9 per cent, but considering inflation that will mean the equivalent of a decrease of 3 per cent. The university and all faculty budgets for 2014/2015 are very tight. This will be hard to manage when something like 80 to 85 per cent of the budget goes to wages. While the university has a balanced budget and is in good financial shape, there are many challenges for the university administration --

the increased demand in engineering, business and nursing, for example. With the budget being very tight, it is unfortunate that some programs with very low enrolments may have to be dropped or suspended but the university must continue to offer a variety of programs in all areas. Dr. Riddell, principal of Regina Campus, University of Saskatchewan once said that universities must and will change.

There is a need to rejuvenate the College Avenue campus. That campus offers extension and business courses as well as housing the Regina Conservatory of Music. This campus generates about 20 million in revenue and costs 12 million to operate so it makes money for the university. However, the buildings are in need of renewal and that is expensive. While some funds have been raised, it will need government support. Financially, the U of R is not nearly as badly off as many other universities, particularly in the Maritimes where some are having really serious problems since they have had provincial funding dropping to 40 per cent or less.

Dr. Hussein, Dean of Engineering and Applied Science, has had meetings with a new Faculty of Engineering Advisory Committee. This is a group of senior business and government executives who will meet regularly to discuss issues and give advice to the faculty.

The university is projecting a stable enrolment for the next four years with a slight increase in local students. It will continue to grow as a comprehensive university. It cannot return to being strictly a liberal arts university, as a few people want. The university is lucky to have a strong leader in Dr. Timmons and it will become a stronger institution in the future.

Respectfully submitted,

Art Opseth, P.Eng., FEC, FGC (Hon.), FCSSE  
APEGS representative to the U of R Senate

## Engineers Canada Director's Report

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Engineers Canada is the national organization of the 12 provincial and territorial associations that regulate the practice of engineering in Canada and license the country's 280,000 members of the engineering profession. Engineering is a self-regulated profession. Engineers Canada exists to support APEGS and the other provincial and territorial regulatory bodies, to advance the profession in the public interest.

The board of Engineers Canada adopted a policy governance model in June 2013. At its February 2014 meeting, the board fine-tuned its Ends policies in order to ensure they reflect what is to be achieved. The Ends are a set of broad policies that provide direction to the chief executive officer and Engineers Canada staff to work out the details of how that work will be achieved. The Ends policies are Engineers Canada's reason for being. All work that Engineers Canada does must align with these Ends:

### **E: Engineers Canada's Purpose**

Engineers Canada exists so that constituent associations have support for an advancing engineering profession and its self-regulation in the public interest at a cost that is justified by the results.

#### **E-1: Consistency in Regulatory Standards and Practices**

Consistency among the constituent associations' regulatory standards and practices to protect and serve the public interest is the highest priority among Ends. This End shall be allocated no less than 40 per cent of the overall resources.

#### **E-2: Public Confidence in the Profession**

The public has confidence that engineers practise with competency and integrity and recognize that their work benefits society. This End shall be allocated between 15 and 25 per cent of the overall resources.

#### **E-3: Sustainability of the Profession**

Engineering is recognized as an attractive profession. This End shall be allocated between 15 and 25 per cent of the overall resources.

#### **E-4: Protection of Engineering Terms**

The public is not misled by persons improperly using engineering terms, titles, images and words in federal corporations and trademarks. This End shall be allocated no more than 10 per cent of the overall resources.

Engineers Canada continues to work through improving its operations in accordance with policy governance. Following is an overview of some of the work carried out by Engineers Canada during the past year to achieve the Ends.

The Framework for Regulation (formerly the Canadian Framework for Licensure) is a set of aspirational elements that form the baseline for engineering regulators. The constituent associations, through the Chief Executive Officers Group, participate in the development of elements and decide if, when and how to adopt the elements in their jurisdictions. Engineers Canada supports the CEO Group by facilitating the development and ongoing improvement of the framework. At a meeting of the Framework Steering Committee in November 2014, a new streamlined process for developing framework elements was established and a two-year milestone was set to complete development of all elements.

The Educational Credential Assessment Project is Engineers Canada's plan to become a Citizenship and Immigration Canada (CIC) designated agency for assessing engineering educational credentials for immigration purposes. An Educational Credential Assessment (ECA) verifies that education credentials obtained outside of Canada are valid and substantially equivalent to a credential completed in Canada. Anyone with a foreign educational credential applying to immigrate to Canada under the Federal Skilled Worker Program must obtain and submit an ECA as part of their immigration application. Engineers Canada would act as the clearing house and assessments would be done by the constituent associations. Constituent associations will continue to make all licensure decisions. This has resulted in some concerns by constituent associations regarding the role of Engineers Canada in the program and that those seeking credential reviews would interpret a successful review as an ability to be licensed. Work and discussions on this issue will continue into 2016.

Federal government relations continue to be an Engineers Canada priority. Engineers Canada initiates and maintains positive relations with the federal government. This relationship ensures the federal government addresses the public interest concerns of the engineering profession. It also enables policy-makers to access the expertise of the engineering profession. Communications highlight the need for the government to help municipalities build capacity to properly assess infrastructure projects' resilience to a changing climate. Engineers Canada has contributed to many projects and publications, such as the Public Infrastructure Engineering Vulnerability Committee Protocol and the Labour Market Report. The PIEVC Committee presented a workshop in Saskatoon on November 5 which was informative and well received by participants.

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The Linkages Task Force was established by the board to enhance the board's effectiveness and efficiency by creating a program of board dialogue and deliberation with constituent associations to inform board policy development – with particular emphasis on Ends policies. The task force developed several baseline surveys for completion by board directors and constituent association presidents and CEOs, as well as a template to facilitate director consultations with their constituent associations. The task force provided an interim report to the board in February 2015 and provided its work at the Annual General Meeting in May 2015. The task force continues to follow up on some comments made at the Annual General Meeting and will conclude its work in 2016.

The Canadian Engineering Accreditation Board (CEAB), a standing committee of the Engineers Canada board, is the only body that accredits Canadian undergraduate engineering programs that meet the profession's high education standards. There are 278 accredited engineering programs at 43 post-secondary institutions across Canada. Graduates of those programs are deemed by the profession to have the required academic qualifications to be licensed as Professional Engineers in Canada. The CEAB offers advice to universities developing new engineering programs to help those programs meet accreditation criteria. The CEAB also assesses the equivalency of the accreditation systems used in other nations relative to the Canadian system, and monitors the accreditation systems employed by the engineering bodies which have entered into mutual recognition agreements with Engineers Canada.

CEAB criteria are undergoing a transition from input measures (curriculum content criteria) to outcomes assessment (graduate attribute criteria). During the transition and development period, programs that received accreditation visits have been given feedback on their progress regarding the development of graduate attributes and their readiness to comply with the graduate attributes criteria. The transition is resulting in an assessment using both criteria, which is viewed as onerous and time consuming by the National Council of Deans of Engineering and Applied Science (NCDEAS). Discussions have proceeded between the CEAB and the NCDEAS on ways to manage the needs of the CEAB while respecting the volume of information provided by the engineering programs seeking accreditation. Engineers Canada representatives participated in discussions with the CEAB and the NCDEAS on ways to meet the needs of both organizations while moving towards outcomes assessments. These discussions will continue into 2016.

The Canadian Engineering Qualifications Board (CEQB) develops national guidelines on the qualifications, standards of practice, ethics and professional conduct expected of Professional Engineers. The CEQB is also responsible for

the Engineers Canada Examination Syllabus and the Engineers Canada International Institutions and Degrees Database. The associations use the syllabus and database as guides to develop appropriate suites of technical engineering examinations for international engineering graduates seeking licensure in Canada in order to ensure those individuals meet the standards for admission into the Canadian engineering profession. The CEQB has conducted an internal review of relationships, reporting structure and priorities. The work of the CEQB remains well aligned with the Ends policies of Engineers Canada.

The Engineers Canada website ([www.engineerscanada.ca](http://www.engineerscanada.ca)) is mobile-friendly and has been designed to make it easy to find information. On the home page, users can subscribe to the weekly Engineers Canada newsletter. On the media page, users can sign up to receive engineering-related news in a daily media report. To learn more about what Engineers Canada is doing, you can also follow on Twitter, LinkedIn or Facebook.

The first year of my participation in Engineers Canada has been interesting and memorable. To date, I have participated as an observer at the Annual Meeting and as a director at the board retreat and fall meeting. I have been appointed as Vice-Chair of the Audit Committee and participated in the first meeting of the committee.

I would like to thank APEGS staff and volunteers for their ongoing support of Engineers Canada. It has been a privilege and a pleasure to serve as the APEGS appointed director.

Respectfully submitted,

Dwayne Gelowitz, P.Eng., FEC  
Director, Engineers Canada

## Geoscientists Canada Director's Report

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Geoscientists Canada (GC) is a national council of self-governing professional associations (constituent associations) that regulate the profession of geoscience in each of the jurisdictions in Canada. GC does not license individual geoscientists. Individuals must become licensed with the appropriate constituent association (CA) in each of the provinces or territories in which they intend to practise. An exception to this is an incidental practice initiative initiated in 2014 between the Association of Professional Geologists of Ontario and APEGBC.

In Saskatchewan, practising geoscientists are required to register with APEGS. The abbreviation "P.Geo." may only be used by geoscientists who are licensed members in good standing with APEGS.

During 2015 there were several developments and initiatives undertaken by GC. Membership in GC Canada was reduced with the withdrawal of the Ordre des Géologues du Québec (OGQ) from the organization.

At the Annual General Meeting (AGM) in St. John, NB the board of directors of GC undertook several initiatives. Adhering to changes in the legislation governing non-profit corporations and recommendations made through the "*Moving Forward Document*," Geoscientists Canada implemented a new set of bylaws which detailed the board structure, terms of directors, etc. The rules and regulations, including roles and responsibilities, are under development and are expected to be implemented early in the new year. Additionally, the terms of reference for committees of GC including the Canadian Geoscience Standards Board (CGSB) are currently being developed.

Under the new bylaws, the board structure has been changed. In the model that was approved at the AGM, each member (CA) appoints one Professional Geoscientist (registered and in good standing with that member association) to be a director of Geoscientists Canada. The most significant change is in the executive of the board of directors. Under the former structure, directors who were elected to the executive of Geoscientists Canada did not have the right to vote on motions. When a director was elected to the executive, the CA that had appointed him selected a new director who could vote on motions. Under the new structure, the executive members will have the right to vote on each motion. The home CA will not appoint any other directors. The outcome of this is that the board of directors has been reduced to nine members from the previous 13. Additionally, under the new bylaws, the president-elect will be elected by the GC board of directors from the sitting board members.

Also at the AGM, a new statement of purpose for the organization was approved as follows:

1. Championing in the public interest effective regulation of the geoscience profession in Canada;
2. Aligning regulation of the profession of geoscience Canada-wide;
3. Enhancing public confidence in the competency and integrity of geoscientists in the practice of their profession;
4. Providing a voice for the provincial and territorial constituent associations/ordre nationally and internationally;
5. Facilitating assemblies, conferences and educational forums;
6. Co-operating with other associations or bodies having objectives similar or comparable to Geoscientists Canada; and
7. Protecting, maintaining or dealing with trademarks or other intellectual property pertaining to the geoscience profession or its objects.

Through consultation with the chief executive officers of the CAs, GC will focus on two of the four focus areas identified in the "*Moving Forward Document*."

### Priority 1: Admissions Outcomes Consistency

- Work with CAs to achieve consistent application of admissions requirements, by evaluating some key admissions decision-making elements (rather than all), and see how they are applied and compare across the CAs.
- Map competencies to the "Geoscience Knowledge and Experience Requirements for Professional Registration in Canada" (GKE) and complete formal five-yearly review of the GKE (and release of revised GKE document, as necessary).
- Develop other competency-based assessment tools.
- Explore alternatives to the time-based "Canadian Experience" requirement.
- Develop means of assessing seasoned practitioners such as Prior Learning Assessments and Recognition (PLAR) or other solutions.

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## Priority 2: Professional Reliance Model

- Develop messaging, and establish and build rapport with Canadian securities administrators concerning reliance on P.Geo.s as Qualified Persons (QPs) in NI 43-101, NI 51-101 and other securities reporting, and related public disclosures.
- Foster use of Professional Reliance Model in emerging applications such as geothermal power, deep rock disposal, and use of hydraulic fracturing.
- Use social media and other cost-effective means of communication to encourage use of the Professional Reliance Model in geoscience across Canada.

In order to address the major items in Priority 1, GC has submitted a proposal entitled "Admissions Support Tools Project - Phase II" to Economic and Social Development Canada (ESDC) for funding under ESDC's Foreign Credential Recognition Program (FCRP). It is expected that a response to this request for funding will be received by mid-year.

The principal focus of Priority 2 is (in conjunction with the securities commissions in Ontario, Quebec and British Columbia) to develop a teaching module to be available to all undergraduate geoscience students detailing the requirements of a Qualified Person and the development of NI 43-101 and NI 51-101. This module is currently under development.

In conjunction with Engineers Canada, GC has published a document entitled "Managing Transitions." This document is meant to be a resource to assist engineers and geoscientists and the companies who employ them to manage leaves of absence, particularly for those considering maternity or paternity leave. The purpose of the document is to enhance gender diversity in the engineering and geoscience professions. Employers are looking to attract, develop and retain a more diverse workforce and are looking for ways to improve workplace inclusivity and ensure their company is on the leading edge of practice and policy. One area that is crucial for retention of skilled and valued talent is improving career transitions, especially when it comes to managing leaves of absence. Improving retention increases diversity.

CGSB is a standing committee of Geoscientists Canada. The CGSB provides guidance to the constituent associations of Geoscientists Canada on matters relating to professional qualifications and practice. A major objective of the CGSB is to encourage the adoption of common standards for geoscience registration and to facilitate the transfer of members of the constituent associations from one jurisdiction to another in Canada.

The Geoscientists Canada website (<http://geoscientistscanada.ca/>) details information about the profession of geoscience, the pathways to becoming a P.Geo., and the practice of geoscience as well as a number of useful publications about professional geoscience and links to each of the CAs.

Respectfully submitted,

John G. Pearson, P.Geo., FGC  
Director, Geoscientists Canada

## College of Engineering University of Saskatchewan

It is with genuine enthusiasm that I report to the Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS) the College of Engineering's activity over the past academic year.

During the 2014-15 academic year, the eight undergraduate programs offered by the College of Engineering were awarded full accreditation status by the Canadian Engineering Accreditation Board. We are proud of the contributions that our faculty, staff and students made prior to and during the accreditation visit.

Demand for many of our undergraduate and graduate programs remains strong. Three new mining options were approved and added to our curriculum at the start of the 2014-15 academic year. We were also pleased to have placed a record number of undergraduate students in our Professional Internship Program.

The College continues to make progress towards achieving the goals outlined in its strategic plan. Going forward, we will strive to increase our Tri-Agency funding, enhance our graduate students' experience and forge strong relationships with Aboriginal communities as well as support the success of our indigenous students, to name just a few.

I encourage you to take a few moments to review this summary of the College's activities and related plans for the future.

### College Enrolment

As the University of Saskatchewan enters the final year of its third integrated plan, the College of Engineering has advanced many of the institution's strategic goals. More specifically, progress continues to be made towards increasing total undergraduate and graduate enrolment as well as recruiting under-represented populations.

The student body within the College of Engineering continues to evolve. As the College continues to implement its strategic enrolment management plan, efforts will be made to optimize enrolment in each of the undergraduate programs. As seen in Table 1, total undergraduate enrolment has overall increased by 7.9 per cent since the beginning of the College's strategic planning period (2011-12) and graduate enrolment has shown some variability (with a trend towards an increase).

The College continues to implement strategies that will develop a more diverse student community. Over the four-year period, the number of international and out-of-province students grew (Table 2) and the number of self-declared Aboriginal undergraduate students increased (Table 3). The proportion of male to female undergraduate students remained consistent, at 80 per cent and 20 per cent

Gender		Reporting Year			
		2011/12	2012/13	2013/14	2014/15
Under-graduate	Female	321	327	349	345
	Male	1302	1342	1425	1406
	<b>TOTAL</b>	<b>1623</b>	<b>1669</b>	<b>1774</b>	<b>1751</b>
Graduate	Female	98	93	97	84
	Male	243	239	275	260
	Unknown	-	-	-	1
	<b>TOTAL</b>	<b>341</b>	<b>332</b>	<b>372</b>	<b>345</b>

Table 1: Total Undergraduate & Graduate Enrolment (By Gender)  
Source: University of Saskatchewan Data Warehouse

Origin		Reporting Year			
		2011/12	2012/13	2013/14	2014/15
Under-graduate	Int'l	160	193	219	230
	Out of Prov	217	229	272	303
	Sask	1246	1247	1283	1218
	<b>TOTAL</b>	<b>1623</b>	<b>1669</b>	<b>1774</b>	<b>1751</b>
Graduate	Int'l	225	228	269	255
	Out of Prov	19	23	24	26
	Sask	97	81	79	64
	<b>TOTAL</b>	<b>341</b>	<b>332</b>	<b>372</b>	<b>345</b>

Table 2: Total Undergraduate Enrolment (By Origin)  
Source: University of Saskatchewan Data Warehouse

Reporting Level	Reporting Year			
	2011/12	2012/13	2013/14	2014/15
Undergraduate	49	35	56	60
Graduate	4	3	2	1
<b>TOTAL</b>	<b>53</b>	<b>38</b>	<b>58</b>	<b>61</b>

Table 3: Total Aboriginal Enrolment (By Reporting Level)  
Source: University of Saskatchewan Data Warehouse

respectively. Additionally, the proportion of male to female graduate students remained, on average, consistent at 75 per cent and 25 per cent respectively. The College is actively investigating strategies to improve the graduate student experience and, in turn, graduate enrolment.

### Academic Programs

During the 2014-15 academic year, the eight undergraduate programs offered by the College of Engineering were reviewed

by the Canadian Engineering Accreditation Board for quality assurance purposes. The verdict of the accreditation visit was positive; each undergraduate program received full accreditation status. These results attest to the high calibre and quality of the academic programs offered by our College.

Demand for our undergraduate programs remains strong. As seen in Figure 1,

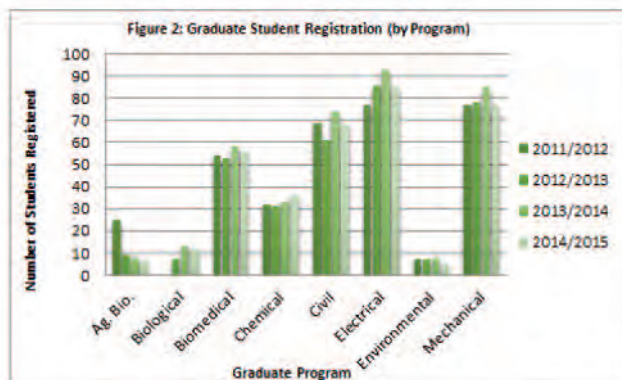
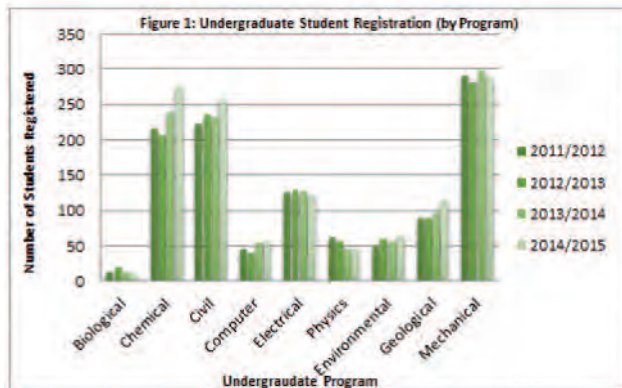
the Civil, Chemical, and Mechanical Engineering undergraduate programs remained heavily subscribed. Collectively, these programs accounted for 47 per cent of total undergraduate enrolment. The College of Engineering remains committed to increasing enrolment in Computer and Electrical Engineering, as well as the Engineering Physics program.

As seen in Figure 2 (above), demand for our graduate programs remains consistent.

### Academic Options

In addition to the eight accredited undergraduate programs, the College of Engineering offers a variety of academic options which allow undergraduate students to further specialize in an area of study.

The College of Engineering continued to offer a Professional Communication Option, Engineering Entrepreneurship Option, Petroleum Option (Chemical Engineering), and a Biochemical Option (Chemical Engineering). Furthermore, between the 2012-13 and 2014-15 academic years, a Mineral Processing Option, Mining Engineering Option, and Mining Option were developed in the Chemical, Geological, and Mechanical Engineering programs respectively. These options were created in response to industry demand



and to better equip undergraduate students with mining-specific training. Registration in these options opened in the 2015-16 academic year.

The College of Engineering also offers an optional Professional Internship Program. This program provides undergraduate students with between eight and 16 months of professionally supervised engineering work experience. The program also serves as a conduit to connect students, faculty and industry with one another. During the 2014-15 academic year, the College of Engineering connected a record 91 undergraduate students with employment in industry. A new website was also launched to better communicate the program to students, faculty and industry.

### Faculty Complement

Employee Category	Fiscal Year			
	2011/12	2012/13	2013/14	2014/15
Faculty	81	78	77	79
<b>TOTAL</b>	<b>81</b>	<b>78</b>	<b>77</b>	<b>79</b>

Table 4: Faculty Employment (By FTE)

Source: University of Saskatchewan Data Warehouse

Over the past academic year, the College was very active in recruitment, completing eight faculty searches overall, two of which were new faculty positions (Table 4). The College welcomed Professor Duncan Cree, P.Eng., assistant professor within the Department of Mechanical Engineering, whose contributions will advance research in material science and assist the College in furthering Aboriginal initiatives. The College also welcomed the return of Professor Sandra Terry, term lecturer within the School of Professional Development.

### Research

At the onset of its strategic planning period, the College envisioned a leadership role in the creation and implementation of interdisciplinary research centres and clusters. In collaboration with the International Minerals Innovation Institute (IMI), the College of Engineering has made progress in advancing earth, environmental and engineering sciences to support activities in the mining industries.

Although the total research revenue generated by the College of Engineering in the past four years has varied, total Tri-Agency funding has increased overall by 4 per cent. The College continues to explore research opportunities with

Revenue Category	Fiscal Year			
	2011/12	2012/13	2013/14	2014/15
Tri-Agency	3.1M	4.2M	3.3M	3.2M
All Other	9.5M	6.5M	8.4M	6.6M
<b>TOTAL</b>	<b>12.6M</b>	<b>10.6M</b>	<b>11.7M</b>	<b>9.8M</b>

**Table 5: Research Revenue Summary (In Millions of Dollars, By Revenue Category)**

Source: University of Saskatchewan Data Warehouse

Saskatchewan industry and expects to expand the faculty complement by pursuing additional research chairs.

#### Future Initiatives

As the College implements its enrolment plan, efforts will focus on enhancing student mobility between major post-secondary institutions within the province of Saskatchewan. The College will also continue to prioritize optimizing enrolment and attaining diversity goals in each of the engineering disciplines.

Forging strong relationships with Aboriginal communities remains a priority for the College of Engineering. Over the next academic year, the College will continue to work with Northlands College to improve access to engineering education for northern and Aboriginal residents. During the same period, the College intends to launch the Indigenous Peoples Industry Partnership Program (IPIPP). This program will strengthen the College's connection with local industry and provide quality summer employment and mentorship opportunities for self-declared Aboriginal engineering students.

Research remains an important element and the College is developing strategies to improve performance in all research outcomes, including funding, and to enhance the graduate student experience.

The College is also developing ways to better meet the needs of industry. For example, the School of Professional Development intends to deliver professional development programming to engineers in the workplace in the coming year.

Finally, the College is working closely with the University Library and APEGs to renew the Engineering Library space. This will involve defining the desired information services and relocating some of the engineering print collection. We are very excited to work alongside the University Library, APEGs and our students to improve the overall student experience.

#### Disclaimer

The data reported in this annual report has been collected from the University of Saskatchewan Data Warehouse (uView). Due to discrepancies in institutional reporting dates, data previously reported may differ from the figures contained in this document. This document contains the most up-to-date statistics available and should be considered authoritative. To ensure consistency, data reported in all future annual reports will be collected from the University of Saskatchewan Data Warehouse (uView) which reports upon enrolment and registration statistics as of October 8 (census day) of each academic year.

Respectfully submitted,

Donald Bergstrom, Ph.D., P.Eng.  
Professor and Interim Dean



## Department of Geological Sciences, University of Saskatchewan

The Department of Geological Sciences offers three undergraduate B.Sc. degree programs (Geology, Geophysics, Environmental Earth Sciences) which can lead to registration as a Professional Geoscientist in Saskatchewan. We also offer M.Sc. and Ph.D. graduate programs. The number of undergraduate students who have designated geology or geophysics as their major is now over 250, with a smaller number of students in the Environmental Earth Sciences program.

<b>Enrolment</b>		<b>Geology</b>	<b>Geophysics</b>
<b>Year 1*</b>		5	1
<b>Year 2</b>	M F	54 12	9 0
<b>Year 3</b>	M F	39 15	3 0
<b>Year 4</b> Final year of a 4 year program	M	69	5
<b>Bachelors</b> graduated last year	F M	31 43	0 5
<b># Honours</b> theses produced	M F	4 6	0 0

\*Science students are not required to choose a major early in their programs, so year 1 data are not reflective of who may be intending to major.

Graduate enrolment is also growing, especially in the M.Sc. program. There are now 64 students enrolled in our graduate programs. Seven post-doctoral fellows and visiting scientists from Canada, the United States, Argentina and the U.K. have spent time in the department working on research projects with faculty.

<b>Enrolment</b>	<b>In Progress</b>				<b>Completed</b>				
	MSc		PhD		MSc		PhD		
	M	F	M	F	M	F	M	F	
<b>Geology/Earth Science</b>	19	20	9	1	0	2	1	1	2
<b>Geophysics</b>	3	1	2	1	1	0	0	0	0
<b>Total</b>									
<b>Canadian Students</b>	21	10	7	7	2	4	1	1	
<b>Visa Students</b>	10	2	5	4	0	0	1	3	

The department maintains strong research programs covering a broad spectrum of the geosciences, including geophysics, environmental geochemistry, climate change, isotope geochemistry, sedimentology, stratigraphy and mineral deposits. Funding is significant and comes from a variety of sources, (NSERC Discovery, Collaborative Research and International Polar Year Grants, Canadian Foundation for Innovation, National Science Foundation, Canadian Foundation for Climate and Atmospheric Sciences, European Science Foundation, SSHRC, Saskatchewan Energy and Resources, and industry). Synchrotron-based research on metals in the environment, performed by two Canada Research Chairs in the department, is also funded by health research funding agencies in Canada and the US.

Members of the department who have served on APEGS committees this year are Dr. Kevin Ansdell, P.Geo., FGC, FEC (Hon.) and Dr. Jim Merriam, P.Geo. Dr. Ansdell is also one of the Saskatchewan representatives to the Canadian Geoscience Standards Board. Student representative Steven Hammermaster served on the Student Development Committee.

Respectfully submitted,

Dr. Sam Butler  
Professor and Head

## D.M. Kent Geology Club (University of Regina Geology Students)

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2015 was a tremendous year for the D.M. Kent Club of Geology at the University of Regina. The Department of Geology continues to experience significant growth that has transferred to the success and improvement of the D.M. Kent Club of Geology. This report will encompass events which have taken place within the past year.

The two primary conferences on the university calendar, WIUGC and PDAC, took place early in the academic year. The Western Inter-University Geosciences Conference (WIUGC) in Winnipeg, Manitoba, was attended by seven undergraduate students from the D.M. Kent Club. Students had the opportunity to attend field trips to the University of Manitoba geochronological dating lab and the provincial Parliament Buildings. One undergraduate from the D.M. Kent Club presented research as part of the student presentation competition.

The Prospectors and Developers Association of Canada (PDAC) Conference in Toronto saw 12 members of the D.M. Kent Club in attendance. This conference acts as a major networking and job-seeking opportunity as it attracts hardrock companies from around the world. PDAC saw one undergraduate present research, which provided the cornerstone in networking with a company from Europe, successfully leading to a postgraduate job.

In early summer the D.M. Kent Club funded 30 students to attend the Williston Basin Conference in Regina. At the conference, one undergraduate honours thesis and one master's project were presented as part of the annual student poster presentation competition.

Another academic undertaking was the employment of Dr. Donald M. Kent, P.Eng., P.Geo., FEC, FGC and John Lake, P.Geo., two of the province's top geologists, in leading a core logging information session. This event saw co-operation between the D.M. Kent Club and members of the Ore Gangue from the University of Saskatchewan. Students were allowed the opportunity to spend a four-hour session where they got a rundown of the basics of how to core log and the principles behind this practice. The response from the students was exceedingly positive.

The summer of 2015 saw a complete change of executive members of the D.M. Kent Club, and a relative lull in operations. The club resumed operations as per normal in the fall 2015 semester, starting with various smaller events targeted at fundraising and interaction of students. The year commenced with the annual Meet and Greet. The Meet and Greet is an event targeted at providing students not only an opportunity to sign up for the club and meet their fellow students, but to interact with profs and alumni. Registration this year was again strong, including just under 100 undergraduate, postgraduate and professor members.

Other social events in the fall 2015 semester that were aimed at fundraising and student interaction included paintballing, a Halloween party at a local brewhouse and a Christmas party to cap off the academic semester. The Christmas party also gets all the students together to send off those who are graduating at the end of the semester.

Academic activities during the fall 2015 semester included an Esterhazy mine tour. The D.M. Kent Club fully took seven students to Esterhazy where they learned about the deposition and economic importance of the Prairie Evaporite formation. Students were then led on a four-hour underground mine tour, allowing them to see the day-to-day operations of a practising mine engineer and geologist.

Towards the end of the fall 2015 semester, four members of the D.M. Kent Club travelled to Saskatoon to present their undergraduate and master's research at the SGS Open House. Both an undergraduate thesis and a master's project were awarded top prizes in their respective categories.

Funding from APEGS through the Student Development Committee plays a vital role in allowing the D.M. Kent Club to turn plans into realities. Much of the success of the D.M. Kent Club can be attributed not only to the financial aid, but also to the recognition by APEGS of the importance of developing young, well-educated students on their path to becoming professionals. Yearly sponsorship has allowed the club to thrive and all members, past and present, are very thankful for the continued support.

Respectfully submitted,

Jared Noll  
President

## Department of Geography & Planning, University of Saskatchewan

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The Department of Geography and Planning is involved in the delivery of the B.Sc. program in Environmental Earth Sciences (EES), which leads to registration as a Professional Geoscientist with APEGS. The department also offers undergraduate programs in Environment and Society (4-year and Honours B.A. & Sc.) and Regional and Urban Planning (4-year and Honours B.A.). In addition, the department offers M.A., M.Sc. and Ph.D. programs, and currently has 57 graduate students, of whom 10 are taking an M.A., 16 an M.Sc. and 31 a Ph.D.

The Environmental Earth Sciences program requires students to take foundational science courses (i.e., mathematics, physics and chemistry) in addition to courses offered by the Departments of Soil Science, Geological Sciences, and Geography and Planning. Senior undergraduate courses in hydrology, geomorphology, GIS and remote sensing offered by Geography and Planning faculty continue to be popular choices for EES majors.

In December 2015, the EES program had 39 majors and one Honours student. In 2015, five students graduated from the program. At the 2015 Spring Convocation in June, the award for the most outstanding graduate in Environmental Earth Sciences was presented to Spencer Chad. Mr. Chad graduated with distinction.

The department continues to have a strong research program with a wide range of projects, including, on the natural sciences side, cold regions hydrology (Pomeroy), watershed modelling (Pomeroy, Martz), ecohydrology (Westbrook), marine biology and coastal geomorphology (Aitken), geoarchaeology of paleo-Indian settlements (Aitken), fluvial geomorphology (De Boer), geographic information science (Bell, Martz), remote sensing of vegetation response to grazing and vegetation productivity in northern ecosystems (Guo), environmental impact assessment (Noble), integrated water resource management (Patrick), and First Nations access to safe drinking water (Patrick).

The department currently has three faculty registered as P.Geo. with APEGS (Aitken, de Boer and Martz). Professor Alec Aitken, a senior member of the department, serves as an APEGS volunteer.

In addition to Environmental Earth Sciences, the University of Saskatchewan offers a wide range of undergraduate programs with a focus on the environment, such as environment and society, environmental biology, environmental engineering and toxicology. To help prospective and current students make decisions on courses, programs and career options, in 2015 Andrea Ecclestone has been appointed as environmental programs coordinator in the School of Environment and Sustainability. Andrea will work on student recruitment, initiatives to improve the student experience and facilitating collaboration among faculty and staff across the various programs and colleges.

Respectfully submitted,

Dirk de Boer, Ph.D., P.Geo.  
Professor and Head

## Faculty of Engineering & Applied Science, University of Regina

### Introduction

It is my pleasure to provide this report on the Faculty's recent achievements. Our enrolment has stabilized after a few years of continued growth, due to the introduction of an enrolment management scheme. Our research programs are continuing to receive considerable funding. We have attracted four new faculty members, a new academic advisor and a new technologist.

Following are the key highlights of 2015:

### Enrolment

Undergraduate enrolment based on the fall semester increased from 1,295 in 2014 to 1,385 in 2015, representing an increase of almost 20 per cent. Total first year enrolment dropped slightly from 390 in fall 2014 to 353 in fall 2015. Significant increases in enrolments from other provinces have occurred, and international enrolment remains high. The following table presents undergraduate enrolment numbers from fall 2015:

Major	Undergraduate - Major & Gender (Fall 2015)			
	Total by Major			Degrees Awarded (Spring & Fall 2015)
	Total	Female	Female (%)	
Electronic Systems Engineering	131	10	7.6	18
Environmental Systems Engineering	195	74	38	41
Industrial Systems Engineering	295	41	14	43
Petroleum Systems Engineering	413	61	15	71
Software Systems Engineering	115	14	12	10
Common First Year & Undeclared	213	28	13	-
Exchange Students	23	2	9	-
<b>GRAND TOTAL</b>	<b>1385</b>	<b>230</b>	<b>17</b>	<b>183</b>

*Note: Students registered in and graduating from the Environmental Health Science program at the First Nations University of Canada are not included.*

The Faculty has introduced a dynamic enrolment management scheme to optimize the admission process.

Graduate enrolment has remained relatively steady, but the number of

applications has been increasing. The following table presents graduate enrolment numbers from fall 2015:

Major	Undergraduate - Major & Gender (Fall 2015)			
	Total by Major			Degrees Awarded (Spring & Fall 2015)
	Total	Female	Female (%)	
Electronic Systems Engineering	37	9	24	18
Environmental Systems Engineering	52	20	38	24
Industrial Systems Engineering	40	8	20	15
Petroleum Systems Engineering	61	15	25	22
Software Systems Engineering	17	2	12	7
General Engineering (PHD)	6	1	17	0
Process Systems Engineering	34	12	35	6
<b>GRAND TOTAL</b>	<b>247</b>	<b>67</b>	<b>27</b>	<b>92</b>

### Funding

The Faculty received a \$100,000 donation from Crescent Point Energy for equipment in the undergraduate laboratory of petroleum systems engineering (PSE). Undergraduate students also doubled their contribution to the Engineering Equipment Fund in four of our programs, while quadrupling in PSE. The university also provided \$400,000 to fund new teaching equipment and renovate our computer teaching room to increase the capacity to 58 seats with all new computers.

### Research

New research awards totalled over \$2.014 million, including \$1.26M from various Natural Sciences and Engineering Research Council (NSERC) programs including an NSERC Strategic Grant worth \$579,000, and over \$700,000 from various government, industry and other research funding sources.

### Programs

The Faculty is now authorized to offer Ph.D. degrees in process systems engineering and in software systems engineering.

### Recognition and Achievements

Noteworthy recognitions this year are:

- Dr. Luigi Benedicenti, P.Eng.: appointed as a Fellow of Engineers Canada.
- Dr. Amr Henni, P.Eng. and Dr. Ezeddin Shirif, P.Eng.: presented with the 2015 Awards of Innovation, sponsored by Innovation Place, which recognized their and their team's groundbreaking work on treating wastewater from Saskatchewan oil reservoirs, removing oil and salts so the water can be used for irrigation or in industry.
- Dr. Gordon Huang, P.Eng.: inducted as a new Fellow in the Canadian Academy of Engineering. He also won the U of R Alumni Association Award for Excellence in Research for his groundbreaking work in energy, environment and climate systems modelling.
- Dr. Dena McMartin, P.Eng., FEC: received the 2015 McCannel Award from the Association of Professional Engineers and Geoscientists of Saskatchewan. Dr. McMartin was also among six Saskatchewan women educators profiled and celebrated during Women's History Month 2015.
- Professor Art Opseth, P.Eng., FEC, FGC (Hon.): received the Brian Eckel Distinguished Service Award of the Association of Professional Engineers and Geoscientists of Saskatchewan.

Respectfully submitted,

Esam Hussein, Ph.D., P.Eng.  
Professor and Dean

### Faculty and Staff

The Department of Geology at the University of Regina welcomed a new tenure-track lecturer (Dr. Tsilavo Raharimahefa) and a new tenure-track lab instructor (Mr. Geoff Reith) in 2015, making a team now of nine faculty members, three laboratory instructors, one administrative staff and one technical staff. Nine adjunct professors again played an important role in assisting the Department to teach our undergraduate courses and co-supervise undergraduate and graduate thesis projects. Two sessional lecturers, Dr. Robert Macdonald, P.Eng., P.Geo. (also adjunct professor) and Mr. Evan Morris, have retired after teaching geology of North America (jointly with Dr. Donald Kent, P.Eng., P.Geo., FEC, FGC) and applied exploration geophysics for many years. Their contributions to our programs are greatly acknowledged.

### Undergraduate and Graduate Programs and Enrolment

The Department of Geology has continuously offered the B.Sc. in Geology, B.Sc. Honours in Geology, B.Sc. in Environmental Geosciences, B.Sc. Honours in Environmental Geosciences, B.Sc. with Co-op designation, and M.Sc. and Ph.D. degree programs throughout the year. As of December 2015, the Department had 144 undergraduate students majoring in Geology and Environmental Geosciences. Geology professors also provided supervision to six Ph.D., 23 master's, two B.Sc. honours students, as well as eight international visiting Ph.D. students. Congratulations went to Dr. Janis Dale, P.Geo., for winning the University of Regina Alumni Association Excellence in Teaching Award.

### Research

In 2015 our faculty members received funding from various sources including NSERC-DG, NSERC-CRD, Geological Survey of Canada – TGI-4 and GEM-2, Saskatchewan Geological Survey (Ministry of Economy), Petroleum Technology Research Centre (PTRC) and the private sectors, including the petroleum and mining industry. Congratulations went to Dr. Hairuo Qing, P.Geo., for obtaining major funding from the industry. Our research projects cover various areas including fundamental geosciences, hydrocarbon and mineral resources and geo-environmental studies in Saskatchewan, Canada and abroad. These research projects supported 29 graduate students and attracted 12 visiting scholars. The number of visiting graduate students and visiting scholars reached a historical high of 20 in our department in 2015.

## Regina Engineering Society

### Student Activities

2015 has been an exciting year for the D.M. Kent Club. The club was able to send seven students to the Western Inter-University Geosciences Conference (WIUGC) in Winnipeg; 12 students were funded to attend the Prospectors and Developers Association of Canada (PDAC) Conference in Toronto; and a further 30 students were supported to attend the Williston Basin Conference at the end of the spring semester. Four undergraduate students and five graduate students participated in the Saskatchewan Geological Survey (SGS) Open House. Congratulations to Sienna Johnson for winning the Bill Aryton technical award in the CSPG SIFT Trip, Dillon Johnston and Zenghua Li for winning the first and second best poster award in the graduate category, and Brodie Stroh for winning the best poster award in the undergraduate category at the SGS Open House. Other academic sponsored activities include sending seven undergraduate students to Esterhazy for a potash mine tour put on by a project mine engineer and the site's lead geologist. The D.M. Kent club collaborated with the Ore Gangue of Saskatoon to have Dr. Donald Kent, P.Eng., P.Geo., FEC, FGC and John Lake, P.Geo. for a one-day core logging tutorial.

Respectfully submitted,

Guoxiang Chi, Ph.D., P.Geo.  
Professor and Department Head

The mission of the RES is to serve the professional and social needs of engineers in the Regina area and to support interaction between its members, local technical societies, engineering students and major engineering employers.

The objective of the RES shall be to promote the objectives and interests of the engineering profession in close co-operation with APEGS:

- a) To develop and maintain high standards in the engineering profession.
- b) To facilitate the acquirement and the interchange of professional knowledge among members.
- c) To advance the professional, social and economic welfare of members.
- d) To enhance the usefulness of the profession to the public.
- e) To collaborate with universities and other institutions in the advancement of engineering education.
- f) To promote good relations between engineers and members of allied professions.
- g) To co-operate with other technical societies for the advancement of mutual interests.

### RES Fiscal Year and Executive

The RES fiscal year runs from June 1 to May 31. The RES Annual General Meeting was held in conjunction with the Annual Golf Tournament on June 12, 2015. The 2015-2016 RES executive is outlined below:

President, Brett Kelln, Engineer-in-Training

Vice-President, Mitch Pockett, Engineer-in-Training

Past President, Lisa Vindevoghel, P.Eng.

Treasurer, Robert Schultz, P.Eng.

Secretary, Waqar Khan, P.Eng.

Social, Greg Stephenson, P.Eng.

Technical Presentations, Jose Rodriguez

Communications & Website, Deborah Mihial, P.Eng.

Merchandise, Simon Li, P.Eng.

University of Regina, Rob Jones, P.Eng. and Douglas Wagner, P.Eng.

RESS, Nicole Barber

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APEGS Liaison, Ian Sloman, P.Eng.  
CSCE, Brent Miller, P.Eng.  
RGG, Darrell Mihial, P.Eng.  
IEEE, Ian Sloman, P.Eng.

The first meeting of the fiscal year was held in September 2015 where the past volunteers returned in order to get started on a year of change for the RES. Many new faces are present for this year, helping to fill all vacancies that existed before the 2015 summer break.

#### **Awards/Scholarships**

The RES recognized three deserving professionals for their commitment and service to the engineering community. The 2014-2015 Engineering Excellence Award was presented to Klaus Ottenbreit, P.Eng., the Volunteer Service Award recipient was Debra Anderson, P.Eng., FEC and the Engineer-in-Training award was given to Adam Swift.

Lockheed Martin provides a yearly scholarship (\$800) for a deserving project at the University of Regina's Engineering Fourth Year Project Day. They were in need of a group of non-partisan evaluators in order to choose the winning project, and the RES was chosen to evaluate projects based on a set of criteria created by Lockheed Martin. Further to this, the RES decided to sponsor second and third place awards in the amounts of \$500 and \$250 respectively. All winning student groups were invited to attend our annual Horizons Dinner free of charge in order to receive their awards. The RES plans on continuing these awards in 2015-2016 as the response from everyone involved was extremely positive.

The RES awarded six students with scholarships, each valued at \$500. Five scholarships were given to engineering students at the University of Regina, one for each discipline of study. One scholarship was presented to a SIAST Palliser Campus engineering technology student.

#### **RES Events**

The annual Engineering Horizons Dinner was held on May 7 at the Conexus Arts Centre. Apart from the dinner and awards, this event featured guest speaker Rob Lamb, the CEO of Canadian Light Source Inc. who operate the synchrotron in Saskatoon. Rob gave a very informative and interesting presentation about

what the synchrotron really is, and its day-to-day operations. Rob not only had everyone learning, but also laughing since he brought with him his Australian sense of humour.

The RES continued its expansion of the yearly IMAX Night to a combined IMAX and Science Centre Day for its members and their families. The day brought the IMAX to max capacity, which featured Journey to the South Pacific for the matinee screening.

The RES Annual Golf Tournament and AGM was held on June 12, 2015 at the Murray Golf Course. Many prizes were given out due to the generosity of sponsors. A new executive was elected to council at the event after a filling supper.

The annual Beer and Billiards Night at the Broken Rack attracted one of the largest crowds yet. The event room was packed with both students and engineers enjoying a successful night.

#### **Sponsorships/Support for External Events**

The RES is continuing to provide support to a number of other events throughout the community, including the Regina Science Fair Award, Engineers Without Borders, EYES camp, and the IEEE annual general meeting.

As well as financial support, the RES provided an active role during the University of Regina's Project Day which showcases engineering students' projects. The RES set up a booth near the presentations to provide details to the public regarding the mandate of the RES and information regarding RES scholarships and RES merchandise. Also, the RES had executive members volunteer as industry evaluators for the students' projects, which was an enjoyable experience for all who attended.

The RES is looking forward to another successful year and would like to thank APEGS for its continuing support and guidance.

Respectfully submitted,

Brett Kelln, Engineer-In-Training  
President

## Saskatoon Engineering Society

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We had a great team of volunteers that helped carry out the duties on the executive this year. My thanks go to the entire executive:

### 2013/2014 Executive Committee

The society carried on operations under the guidance of the executive committee, following instructions from our members.

### Important events from September 2014 to August 2015

Strategic Planning was our biggest project in 2014-15. The Strategic Planning Committee put in hours and hours of work to get our Strategic Plan together. We could not have done without Julie Jones, our consultant, who skilfully led us through the process. We are proud of what we accomplished and now it is a work-in-progress to get the plan implemented. We are looking to moving this forward for our organization. Thanks again to all that provided input.

SES Mixers and Technical Nooners were held throughout the year at various establishments throughout the city. The largest event was the Christmas Mixer at Boffins in December. Attendance seemed to be growing at mixers this year. Thanks to Cathy Starkell for organizing the mixers and to Jonathan Bushman who organized most of the nooners.

### Student Paper and Design Competition Night

The 2014 Engineering Innovative Design and Student Paper Competitions were held at Marquis Hall at the University of Saskatchewan. This event is jointly organized by SES (Saskatoon Engineering Society) and College of Engineering (Univ. of Saskatchewan). Sponsored by SES (Saskatoon Engineering Society), College of Engineering (Univ. of Saskatchewan), Office of the Vice-President Research (University of Saskatchewan) and APEGS. Thanks to Grant Ferguson for organizing this event this year.

### National Engineering Week

As a part of National Engineering Week, the Saskatoon Engineering Society was proud to host our annual 2015 ICE Event (Industry Celebrating Excellence) at the Saskatoon Club. A special thanks to Cathy Starkell for leading the organization of this event. Thanks also to Ashok Thakkar for organizing industry tours during National Engineering Week.

### Website

The SES website has been regularly updated to help promote upcoming events.

### Professional Development Funding

This initiative continued this year. It is a way to help individual members in their professional development. The guidelines were set up so that members could be reimbursed up to \$500 for their continuing education. Although this has not been fully utilized, we hope that additional members can plan to take advantage of this funding.

### 2015 Awards

- SES Educator of the Year – Rick Retzlaff
- SES Engineer of the Year – Rick Kullman, P.Eng., FEC, FGC (Hon.)

### Members and Executive

The activity that the SES had this year would not be possible without the members that provided input and attended our events. Thanks go to the APEGS staff that support our activities and help notify members of our activities. I thank the members for the opportunity to represent them as president for the past year.

Respectfully Submitted,

Doug Drever, P.Eng., FEC President



## Moose Jaw Engineering Society

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### **The Moose Jaw Engineering Society (MJES) held several events in 2015.**

On March 25, 2015, the MJES held a noon hour presentation on the replacement of the 3rd Avenue CPR dam in Moose Jaw. This was Albert Engel's second presentation to MJES on the design and construction of the replacement dam. The original stop log dam had failed during an ice flow event. Albert's presentation was on the replacement Obermeyer gates, which are a vast improvement over the stop logs as the level of the dam is raised and lowered using bladders and air pressure.

On Thursday, April 16, 2015, the MJES hosted a noon hour presentation from Vector Construction. Kel Zacharias and Felix Sandron of Vector Construction presented on concrete rehabilitation techniques.

On June 18, 2015, the MJES organized a tour of the City of Moose Jaw Wastewater Treatment Plant. Orval Coates led a tour of the six-year-old wastewater system. The plant was the first system in Western Canada to use the Biolac Wave Oxidation TM process for biological nutrient removal.

The Moose Jaw Engineering Society's 15th Annual Golf Tournament took place on Saturday, September 26 at the Hillcrest Golf Club. We had excellent fall weather with the sun shining and 12 golfers participating in a Texas Scramble format. Sixteen people then attended the supper and social portion of the event at the Crushed Can Sports Bar and Nightclub.

On Tuesday, November 24, 2015, the MJES organized a tour of the Buffalo Pound Water Treatment Plant that serves the cities of Regina and Moose Jaw. Ryan Johnson, P.Eng. presented on the history of the plant, the ownership, challenges with raw water and included the treatment process at each stage and the laboratory.

We would like to thank all the presenters and hosts as well as those who planned the events. The Moose Jaw Engineering Society would also like to give a special thanks to Ed Fredeen, P.Eng. with the Water Security Agency for his continued efforts organizing our events. Ed's dedication has helped revive our society.

We look forward to seeing everyone during an eventful 2016.

Respectfully submitted,

John Conway, P.Eng.  
President

## Saskatchewan Geological Society (Regina)

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The Saskatchewan Geological Society ("Society") has had another busy and exciting year and this year-end report provides a comprehensive review of the Society's activities. Led by a diverse group of individuals from government (Ryan Morelli, P.Geo., vice-president; Colin Card, P.Geo., past president; Michelle Hanson, treasurer; Bernadette Knox, secretary; Ralf Maxeiner, P.Geo., president), industry (Jason Cosford, P.Geo., program Chair), and academia (Monica Cliveti, business manager; Maria Velez, co-program Chair), the 2015 executive organized and oversaw an equally diverse range of business and social activities. What follows is a brief overview of these undertakings.

The year began with the 2015 Annual General Meeting (February 7, 2015), which was very well attended largely due to the efforts of David MacDougall, P.Geo., who has been the organizer of the AGM for the past two years. David's idea to pre-sell tickets for the meeting resulted in increased attendance. The honour roll induction of Ken Ashton, P.Geo. and the outgoing president's address were the highlights of the evening. The Travelodge once again proved to be a good venue and consequently the executive decided to stay the course for 2016. This year's Annual General Meeting was again planned and organized by Dave MacDougall and the executive is thankful for his continued commitment.

One of our two main social events of the year is the Annual Curling Bonspiel, which took place for the 11th time. This year's event was held at the Tartan Curling Club and as usual was co-hosted by the D.M. Kent Club of Geology. Our business manager, Monica Cliveti, put her heart and soul into organizing this event and securing a large variety of great prizes from local business sponsors. Unfortunately, the bonspiel was not well attended by our active members, but thanks to the seven student teams it was still a success. First place was fiercely contested and won by one of the student teams (John, Derek, Jared and Keane). A big thank you to Lynn Kelley, P.Geo. for coming up with and overseeing the draw.

The core workshop at the Williston Basin Petroleum Conference (April 28-30) is a hugely important event for our Society, as it is a large revenue generator, which helps fund our regular luncheon speaker program as well as some of our social events. With the conference in Regina this year (it alternates between North Dakota and Saskatchewan on a yearly basis), it was a committee of local volunteers that made the core workshop possible. The executive of the Society would like to extend a huge thank you to all the committee members led by Dan Kohlruss, P.Geo. for donating their time and making this event a success.

Another event that was taken in by many Society members is the APEGS AGM, which took place on May 1-2 in Regina, where it is held every second year.

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Gavin Jensen and David MacDougall were on the organizing committee of that meeting. David MacDougall was instrumental in getting other Society members involved and, in particular, he encouraged many of them to volunteer help chair the various technical sessions. A highlight of the event from the Society's perspective was the awarding of the APEGS Outstanding Achievement Award to Dr. Charlie Harper, P.Eng., P.Geo., the third geoscientist to have received this prestigious award.

This year's Annual Geological Field Trip ran from August 21-25 and went to western Montana. Led by John Lake, P.Geo. and Mike Thomas and assisted by Brian Brunskill, P.Geo. and Kim Kreis, P.Geo., 14 more Society members had the opportunity to visit the Archean Stillwater Igneous Complex, the late Devonian Sappington Formation (Bakken equivalent), the Paleocene Shonkin alkaline laccolith and the Shonkin Sag (glacial spillway). The field trip was expertly guided by local geoscientists.

In late October, the Society published Saskatchewan's first geological wall calendar. A committee had been struck earlier in the year to produce this calendar that would feature the province's geology from north to south, Archean to Quaternary, microscopic to landscape. The finished product is meant to educate members and the general public about the geological diversity of our unique province and of course it was also meant to be visually appealing. The idea for the calendar originally came from Germany, where one of the many geological societies publishes a yearly geological calendar with different themes each year. Whether the Saskatchewan geological calendar will be published again in 2017 has yet to be determined.

The Society offered a great variety of professional development events this year. Our regular luncheon seminars, which were organized by Jason Cosford and Maria Velez, continue to be one of our most constant and important fixtures. They provide a great opportunity to maintain and enhance the geological knowledge of our members. This year in particular, we had a great variety of technical presentations including talks about groundwater, amber research, shale gas, fracking and Archean plate tectonics. Our business manager Monica Cliveti secured a new luncheon venue, the Artful Dodger, and despite some growing pains in regards to the audio-visual setup, the executive feels we may have found a new long-term home for the luncheon talks. The luncheon talks are a heavily subsidized event and the Artful Dodger will help us save a few dollars going forward as it is less expensive than the Ramada where the talks have been held in the last few years.

The Open House in Saskatoon, of which the Society is a co-host, went over very

well and, despite a very depressed minerals sector, the conference saw near record attendance. The technical program was diverse and provided a good overview of the province's mineral exploration activities. The public lecture, which is one of two that the Society puts on every year, was very well received. There were between 200 and 300 people in attendance, including many kids. Dr. Grant Zazula, paleontologist with the Yukon government, gave a fascinating and very entertaining presentation on Ice Age mammals. He even had 300 pounds worth of tusks, skulls and bones on display. Great show, and Grant was very engaged and forthcoming. Thanks to our sponsors of the public lecture who support this event every year: APEGS, the Saskatchewan Mining Association and the Saskatchewan Geological Survey.

The Geological Open House has now been part of the Society's annual responsibilities for a few years and as a consequence the treasurer's position has become increasingly busier and more challenging. Michelle Hanson has done an amazing job at fulfilling the duties of treasurer and it will be difficult to find someone equally dedicated when the time comes.

The Society had a booth at the Open House to sell the geological calendar and to inform delegates what the Society is all about. The executive had decided to produce two retractable banners for use at the Open House and these will be good to have for future conferences or other functions where the Society will be represented. One of the panels features the central portion of the geological highway map and the other features the varied activities of the Society, in picture and word. Thanks to Maria Velez for taking the lead on getting these banners made.

Another professional development opportunity and a first for the Society was a hardrock short course entitled "Athabasca Basin Drillcore Workshop," which was held at the Regina core lab the day after the Saskatchewan Geological Open House on Thursday, December 3, 2015. This short course was the brainchild of Colin Card and Sean Bosman, P.Geo., who were also the facilitators of the course. It was fully subscribed with 20 participants and because of the added sponsorship of APEGS was able to generate some much needed revenue for the Society.

Our second main social event was the Annual Golf Tournament on September 11, 2015. In order to attract more interest, the executive had decided to play a 9-hole Texas scramble instead of the regular 18 holes, and we picked the Sherwood Forest Golf and Country Club as the venue. Our business manager, Monica Cliveti, did a great job organizing the tournament, and Alice and David MacDougall once again graciously hosted the barbeque at their home. It was a

## Association of Consulting Engineering Companies - SK

successful event and because everyone liked the new format we will likely continue with 9-hole Texas scrambles.

In late September, Don Kent, P.Eng., P.Geo., FEC, FGC led about 18 Society members on a wonderful field trip of the Avonlea badlands and Claybank ice-push features. We also visited the local museum. The weather was more than co-operative on this trip and the badlands presented themselves in wonderful fall colours.

As vice-president, Ryan Morelli was in charge of membership and organizing all the mailouts, as well as always assisting me with much needed advice. Thanks to the efforts of Ryan and Jared Noll (2015/16 president of D.M. Kent Geology Club), membership numbers remained strong and even increased for the 2015 calendar year. Corporate memberships are up, in part thanks to the geological calendar for which companies received a 2016 corporate membership. Advice was also received throughout the year from Colin Card (past president), who was a difficult act to follow.

Our new website has now been mostly updated, thanks to the work of our secretary, Bernadette Knox, who was also diligent with taking minutes at all the executive meetings and taking care of the Society's publication sales. The executive plans to continue to make use of our website to help provide important information to the membership rather than sending the newsletter out as email attachments. The executive meeting minutes are also posted to the website now.

Jared Noll and Shayna Glass (2014/15 president) of the D.M. Kent Geology Club participated and contributed to the executive meetings as student liaisons. I would like to thank the entire outgoing executive for their hard work and their commitment to the Society. And finally I would like to again thank all the committee Chairs: John Lake, field trip; Kate MacLachlan, P.Geo., FGC, FEC (Hon.), education and outreach; Fran Haidl, P.Geo., FGC, FEC (Hon.), Geoscape Saskatchewan; Dan Kohlruss, core workshop, Williston Basin; Don Kent, Jim Christopher, P.Geo., FGC and Dave MacDougall, honour roll; Jason Berenyi, Open House; Dave MacDougall, AGM; Ralf Maxeiner, geological calendar. Finally, I would like to thank all of our volunteers for this year's events. Thanks for helping the Society achieve its goals.

Respectfully submitted,

Ralf O. Maxeiner, P.Geo.  
President

The Association of Consulting Engineering Companies – Saskatchewan (ACEC-SK) is a not-for-profit association acting as the policy and business voice of the majority of consulting engineering and consulting geoscience firms in Saskatchewan.

ACEC-SK represents 64 member firms that employ approximately 2,000 professional, technical and support personnel who provide local, regional, national and international engineering and geoscience services.

ACEC-SK also has a number of associate member firms from related interest groups and suppliers. We are a member of the Association of Consulting Engineering Companies – Canada (ACEC) which is affiliated with the International Federation of Consulting Engineers (FIDIC).

At our Annual General Meeting (AGM) in June, I was elected as the Association's first female Chair. Diversity within the board and our committees is important for innovation and sustainability. We welcome the involvement of more people from different backgrounds.

This year ACEC-SK was very busy and delivered a number of initiatives in support of the organization's four strategic pillars: advocacy, profile, member engagement and governance.

### Advocacy

ACEC-SK continues its work with government clients about procurement of member services. We have collaborated with Priority Saskatchewan and the Saskatchewan Construction Panel to help create a procurement platform that provides the best value to the taxpayers of Saskatchewan. This work includes support of including local knowledge as a selection criterion that contributes to best value. Our work continues on amending contract language clauses (such as public entity indemnification clauses) that are amenable to both our government clients and our members. Sector committee members continue to engage with senior executive at ministries and Crown corporations to promote the Best Practice of Qualifications-Based Selection when procuring consulting engineering and geoscience services.

The organization again published its annual Recommended Schedule of Fees with a view to the current economic conditions. We undertook an industry capacity survey to better communicate to our industry clients what capacity currently exists so they are more informed when planning upcoming projects.

ACEC-SK wrote a letter to the editor this spring that was published in both the

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*Leader-Post* and the *StarPhoenix* to countered opposition comments about the high cost of consultants. Board members have also held meetings with cabinet members to discuss the continued use of consulting engineering and geoscience services to deliver infrastructure.

The Association took on a very visible presence during the provincial election – advocating for informed infrastructure investment. This involvement included maintaining a micro-site that, among other things, educated the public about why it is important to invest in infrastructure, and a mechanism for the public to write a letter to their local candidate in support of infrastructure investment. We also coordinated a grassroots campaign that supported members carrying this message to their local candidate.

### **Profile**

The Awards of Distinction were again delivered in Saskatoon, using an upscale reception-style format which allowed for networking opportunities and just catching up with friends. Global TV Saskatoon aired an interview with Don George, P.Eng., this year's Lieutenant Governor of Saskatchewan Meritorious Achievement Award recipient. As well, all the awards were highlighted in the December/January edition of Saskatchewan Business Magazine.

ACEC-SK actively contributes to Engineering and Geoscience Week initiatives, particularly through publication of articles in provincial newspapers. The organization participated for the first time in the Saskatchewan Mining Supply Chain Forum and again attended the SUMA Convention and Tradeshow. Our Human Resources Committee continues to regularly participate in career fairs and information nights to make students aware of consulting as a career of choice.

The Association also placed the Road Show in over 16 high-profile locations this year, including at the Saskatoon airport during the very busy month of December. This display is an opportunity to promote both the industry and individual member contributions to the industry and society.

### **Member Engagement**

We held a forum with SaskPower where our member firms had the opportunity to learn about upcoming projects and how to get involved. The forum with SaskEnergy was held in January as an opportunity to expand the consulting engineering and geoscience industry's relationship with this Crown corporation, as well as learn about upcoming projects.

In November we held a PSMJ training program on Getting More Work. It was very well attended, and our members gained valuable insight into the details of business development. In March we hosted a networking opportunity between our buildings sector members and the architects to enable further relationship building.

A number of other professional development opportunities were offered, including a Managing Risks through Contracts session, an IMAGINiT AutoDesk Seminar, Environmental Code Workshops, and breakfast presentations for young professionals. The Young Professionals Group also organized a PotashCorp Allan mine tour.

### **Governance**

This year we established two new committees, Awards and Women in Consulting. We look forward to these committees taking off and becoming successful. We also maintained current task groups and subcommittees with specific focuses, including Buildings, Environment/Water Resources, Industry/Resources, Transportation, Communications, Human Resources, Risk Mitigation and the Young Professionals Group.

ACEC-SK continues to grow and succeed, thanks in part to the ongoing commitment of the volunteer board of directors who I recognize for their efforts, including:

Jason Gasmol, P.Eng., Past Chair

Jeff Halliday, P.Eng., Vice Chair

Paul Walsh, P.Eng., Secretary-Treasurer

Tim Magus, P.Eng., Director

Terry Frank, P.Eng., Director

Trevor Knoll, P.Eng., Director

Bryce Hunter, P.Eng., Director

Chelsey Bartlett, P.Eng., Young Professionals Liaison

Tara Zrymiak, P.Eng., APEGS Liaison

Shane Baillargeon, Associate Member Liaison

Lawrence Lukey, P.Eng., ACEC-Canada Liaison

## Regina Engineering Students' Society

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ACEC-SK efforts on behalf of the industry are coordinated by Beverly MacLeod, executive director, Elaine Armstrong, executive assistant, and Linda Nelson, communications coordinator. The dedication of our office staff and many member firm volunteers contributes greatly to our success, and is much appreciated.

For more information, please contact the ACEC-SK office (306) 359-3338 or refer to the ACEC-SK website at [www.acec-sk.ca](http://www.acec-sk.ca)

Respectfully submitted,

Stormy Holmes, P.Eng., FEC  
Chair of the Board of Directors

2015 was an interesting year for the Regina Engineering Students' Society and the Faculty of Engineering and Applied Science. It involved the execution of events that were both new and reoccurring from previous years.

RESS has hosted events that would not have happened without the sponsorship and support of APEGS. This support has come in various forms, including speaking to the students about their entrance into the field at the annual Year 1 to 4 Reception or by providing a professional member to judge and provide feedback in a design competition that the RESS has put on for the students. The RESS also hosts Engineering Week, sends students to conferences, and supports constituent societies including Engineers Without Borders (EWB), and Cougar Motorsports. The RESS is looking forward to continuing to host these events in the upcoming year, and with the further increase in number of undergraduate engineering students, these events are increasing in demand and size.

The 2015 year held many highlights for University of Regina Faculty of Engineering. We have over 1,200 undergraduate students as of December 2015. The RESS has been working closely with Dr. Esam Hussein, the Dean of Engineering and Applied Science, to improve student services and address student concerns. This year the RESS instituted a new Honour Pin Ceremony to strengthen the ideals of honour and integrity in engineering practice. Once a semester, first year students will attend a ceremony where they will recite an oath and receive a pin to serve as a reminder that an engineer must conduct themselves in a capacity befitting a professional.

The RESS sent a delegation to the National Conference on Diversity in Engineering (formerly NCWIE), which was hosted in Waterloo. This conference immersed students in great discussion on diversity and equality, and allowed them to network with other students and industry. This year the RESS also hosted the Western Engineering Student Societies Team (WESST) Annual General Meeting and Retreat where the executive members of the organization were elected and locations of future events were decided.

## Saskatoon Engineering Students' Society

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It is important to instill the mindset that engineering students should conduct themselves with the honour and integrity of a professional. With the help of APEGS we hope to further the pursuit of these ideals by providing opportunities for the students to further challenge themselves in a discipline that requires a higher level of responsibility and promotes critical thinking. The RESS hopes to continue our fantastic relationship with APEGS in our united effort in continuing to produce young and thoughtful engineers.

Respectfully submitted,

Marten Fidler  
VP Professional Affairs

### Introduction

The Saskatoon Engineering Students' Society's purpose is to provide support to students academically, socially and professionally. This is accomplished by running many social events, sending students to conferences and competitions across all of Canada, hosting academic tutorials and seminars and much, much more. None of these services would be possible without the generous annual contributions made by APEGS, the Association of Professional Engineers and Geoscientists of Saskatchewan.

### WESST Executives Meeting – Edmonton

With the assistance of APEGS, in May the SESS sent six of its executive members to the annual Executives Meeting of the Western Engineering Student Societies Team (WESST). This conference is an invaluable opportunity for incoming executive members to learn about their positions from similarly experienced society executives from across Western Canada, share information and develop working relationships between schools and create a base for maintaining institutional memory within our societies. Attendance at WESST EM has been of fundamental importance to the progress of the SESS in recent years, and we are grateful for the assistance of APEGS in continuing this opportunity.

### WESST Annual General Meeting and Retreat – Regina

As a member of the Western Engineering Student Societies Team (WESST), the SESS is obliged to attend the Annual General Meeting and Retreat (AGMR) each October as a voting member. Given the proximity of this year's event, the SESS sent eight delegates to participate in WESST's operation, planning and election proceedings, as well as to network and team-build with other universities, a core tenet and strength of WESST activities. The SESS's participation in this conference was made possible through the support of APEGS, who were also the most visible sponsor of the event.

### CDE Conference on Diversity in Engineering – Waterloo

The Conference on Diversity in Engineering (formerly the National Conference on Women in Engineering) is an annual event run by the Canadian Federation of Engineering Students to discuss and address issues of diversity in engineering as they exist in education, society and professional practice. Financial assistance from APEGS allowed the SESS to send four students to this year's conference, and provided a valuable knowledge resource to return to our college.

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### **CFES Congress 2015 – Winnipeg**

The Canadian Federation of Engineering Students (CFES) is the body responsible for representing the interests of all engineering students across Canada. Congress is the largest CFES annual conference, and constitutes the annual general assembly for the federation. Over five days, students attend sessions, workshops and lectures on leadership, professional development and more, as well as representing the interests of their society during plenary sessions and officer elections. The SESS was a highly active member of the general assembly this year, putting forward successful legislation to amend CFES financial practices. Sponsorship through APEGS allowed the SESS to send five students to represent our college's interests and shape the future direction of the CFES.

### **CFES Presidents' Meeting – Vancouver**

The Presidents' Meeting is the first opportunity each academic year for the representative members of the CFES to meet and address the concerns of the federation. With the assistance of APEGS, the SESS sent our VP External to receive updates from the officer team, discuss issues of importance for the upcoming year with the other member schools and vote on behalf of our students during the plenary session. Attending the Presidents' Meeting is a vital component of the connection maintained between the CFES and the SESS, and our society is very grateful for the opportunity to send a member of our executive to attend it each year.

### **Saskatoon Engineering Competition**

The Saskatoon Engineering Competition (SEC) is an annual exhibition of hard and soft engineering skills hosted within our college, and serves as a preliminary qualifier for students wishing to compete at the Western Engineering Competition (WEC). Students compete in seven categories: junior design, senior design, re-engineering, innovative design, consulting engineering, engineering communications, and impromptu debate. The SEC also serves as an opportunity for greater external student interaction through the category judging panels sourced from faculty and industry. APEGS has been the title sponsor of the SEC for many years, and has made it possible for dozens of our students to better prepare for competition on a national stage.

### **Western Engineering Competition – Vancouver**

The Western Engineering Competition (WEC), run by WESST, is a competition

featuring the same categories as SEC, and student competitors from across Western Canada. With the support of APEGS, the SESS sent qualified competitors in every category to compete in the 2015 event. The delegation was highly successful, with two teams qualifying for the Canadian Engineering Competition and the delegation as a whole taking home the WEC Spirit Cup for outstanding sportsmanship and inclusive spirit.

### **Canadian Engineering Competition – St. John's**

The Canadian Engineering Competition (CEC), run by the CFES, is the highest level of competition for engineering students, and sees competitors and industry representation from across all of Canada. With the support of APEGS, the SESS sent all competitors who qualified at WEC to compete at CEC in their same category of competition. Two of our competitors performed especially well, taking home first in all of Canada in the category of impromptu debate. This success was only made possible due to the generous support of APEGS.

### **Institute of Electrical and Electronics Engineers**

The Institute of Electrical and Electronics Engineers (IEEE) University of Saskatchewan Branch is very appreciative of the support and funding from APEGS which make IEEE Illumination possible. IEEE Illumination is an annual conference where students are connected with professionals from industry. Last year, engineering students from many disciplines attended and had a chance to speak to professors and researchers from many universities and Professional Engineers from industry. This event would not be possible without support from APEGS.

### **Huskie Motorsports**

This year, Huskie Motorsports entered the Formula SAE Michigan Competition. Forty members of the team travelled to Brooklyn, Michigan for this competition in May 2016. The members of Huskie Motorsports invested countless hours towards creating an open wheeled, formula style race car. The competition judged their design on technicalities, cost, acceleration, skidpad, autocross, endurance and business presentation. Without APEGS funding, Huskie Motorsports would not be able to have their team and school represented at this competition.

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### **University of Saskatchewan Aero Design Team**

The University of Saskatchewan Aero Design Team entered the American Institute of Aeronautics and Astronautics (AIAA) Design, Build, and Fly Competition. Last April, 12 members along with two faculty advisors travelled to Wichita, Kansas to compete against students from all around the world. A radio controlled aircraft built by the Aero Design Team was entered into the competition, and despite unfortunate technical difficulties still performed admirably. Without funding from APEGS, building the aircraft and travelling to the competition would not have been possible.

### **University of Saskatchewan Space Design Team**

The University of Saskatchewan Space Design Team (USST) continues to be involved in many competitions worldwide; all of these endeavours are only made possible through APEGS Funding. Over 20 members of USST had the chance to attend the University Rover Challenge (URC) in Hanksville, Utah this last year. Members of the USST created a stand-alone rover to compete in this competition, which involved many hours of hard work and dedication. The USST also entered the European Rover Challenge (ERC) in Poland for the first time ever this year, where they claimed the title of 2015 world champions.

### **Quarter-Scale Tractor**

The University of Saskatchewan's Quarter-Scale Tractor Team is composed of more than 10 students who put in countless hours to design and build a tractor. With the support of APEGS funding, the U of S Quarter-Scale Tractor Team was able to send its members and tractor to Peoria, Illinois once again last year to compete in the ASABE Quarter-Scale Tractor International Student Design Competition. APEGS sponsorship typically makes up approximately 20 per cent of the team's budget, and will go towards purchasing parts for building the tractor.

### **Engineers without Borders – University of Saskatchewan Chapter**

Engineers without Borders (EWB) is a student group whose main focus is to assist in development issues across Canada and around the world, aiming to make a difference in the lives of people. Last year, APEGS assisted in sending 10 students to the EWB Canada's annual National Conference in Montreal, Quebec. This conference is focused on international development and foreign aid.

### **Conclusion**

Again, thank you for your generous contribution towards the SESS and our affiliated groups. Without this funding, we would not be able to function in such a way as to maximize our services and opportunities to students at the University of Saskatchewan.

For more information on any of the items discussed in this report, feel free to contact Jeff Toppings ([president@sess.usask.ca](mailto:president@sess.usask.ca)) or Mitch Cassidy ([vp.external@sess.usask.ca](mailto:vp.external@sess.usask.ca)) of the SESS.

Respectfully submitted,

Jeff Toppings  
President



## University of Saskatchewan Ore Gangue

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The Ore Gangue Students' Society and all of its members would like to thank APEGS for their financial and academic support in 2015. We are very grateful for all of the support received for the development of the University of Saskatchewan student experience. With the support of APEGS, the Ore Gangue was able to provide and host many educational field trips and events, while making them more affordable for students within our department.

WIUGCS 2015 was held in Winnipeg, which was a very good opportunity for students to network and socialize with various professionals in the geological industry. Eleven students were also able to attend field trips around Winnipeg. The field trips included a core lab tour, SIMS machine and argon-lead machine tour and a tour of the B.J. Hails Museum of Natural History, along with a tour of the city centre. The funding provided from APEGS helped the students with costs for registration and for transportation. Due to the high cost of attending these conferences, the Ore Gangue would like to thank APEGS for their financial support.

In October 2015, the Ore Gangue was able to send eight students along with two grad students to Canmore, Alberta to expand their geological knowledge of the Rocky Mountains. This trip is an annual event that possesses multiple benefits, especially for those students who are local to the Canadian Prairies and have yet to visit the Rocky Mountains. Due to the high cost of the trip, APEGS funding was used wisely in the expenses of transportation for these individuals. With the continuous support of APEGS we, the Ore Gangue, are proud to say that we now have a contract with the dormitory and committed geologists that will annually offer tours for this field trip each year. We were able to have three geologists from Shell (Chad Glemser, Jaimie Jameson and Clinton Tippett) accompany us for this field trip.

A core lab trip to Regina last year was also a great success. Students were introduced to 3-D geological modelling as well as an introduction on how cores are logged and stored in databases. Students in attendance were also able to look at real cores drilled from the Athabasca Basin. In all we had 20 students attend and the APEGS funding went towards the cost of transportation to Regina for the day.

In March 2015, we had two students from geology and two students from Edwards School of Business attend PDAC 2015 in Toronto. PDAC was definitely a great experience for these students as they were able to meet and talk with industry professionals from across the globe. The funding went towards accommodation and travel. Ore Gangue and the students that had the opportunity to go to PDAC 2015 would like to thank APEGS again for their generous contribution towards this event.

The Ore Gangue also hosted various events throughout the year, allowing students and professors to socialize. Some of these events included bowling with the profs, in-lounge pubs, free campus recreation, curling, food drives, student and professor talks, and a Christmas/year-end banquet.

We are very fortunate to be able to receive support from APEGS in order to further the educational experience for U of S Geology students. Once again, on behalf of our student members, the Ore Gangue executive would like to thank APEGS for its continued support. The support from APEGS is greatly acknowledged and appreciated and allows students to exceed on academic and professional levels.

Respectfully submitted,

Ore Gangue Students' Society

## Financial Report

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This is a summary of the unaudited Consolidated Statement of Revenues and Expenditures of the Association to December 31, 2015. The Auditor's Report will be available at the 86th Annual Meeting in Saskatoon on May 7, 2016.

In 2015, expenditures were \$311,833 less than budgeted, a 5.6 per cent underexpenditure. Executive Committee was over budget by \$13,189, Council and its committees were under budget by \$26,155, Operations was under budget by \$71,144, Governance Board and its committees were under budget by \$39,139, the Education Board and its committees were under budget by \$73,890 and the Image and Identity Board and its committees were under budget by \$114,695.

Revenue was \$235,585 higher than estimated, which is 4 per cent more than the budget. The 2015 budget proposed a surplus of \$379,865, and we ended the year with a projected surplus of \$927,284. Our total members' equity at year-end is estimated to be \$9,665,090, and consisted of the projected surplus of \$927,284, retained earnings of \$5,847,142, an investigation and discipline training reserve of \$22,550, a working capital reserve of \$2,068,114 and a discipline and enforcement reserve of \$800,000. The diversified economy in Saskatchewan has attracted members from elsewhere in North America; hence our revenue was up again in 2015.

Executive Committee is pleased to report that the financial planning and management of our Association continues to be sound.

Respectfully submitted,

Ernie Barber, P.Eng., P.Ag.  
Vice-President



## Balance Sheet December 31, 2015 (unaudited)

### ASSETS

#### Current Assets:

Bank Operating Account	\$1,488,207.40
Bank Investigation and Discipline Training	22,402.09
Petty Cash	265.00
Investments	11,255,380.05
Accrued Interest	47,834.57
Accounts Receivable	37,552.90
Prepaid Expenses	115,762.38
Total Current Assets	<u>\$12,967,404.39</u>

#### Fixed Assets

Office Equipment	\$226,042.58	
Accumulated depreciation	93,628.22	
Net Office Equipment	<u>\$132,414.36</u>	
Computer Equipment	\$89,587.11	
Accumulated depreciation	58,814.59	
Net Computer Equipment	<u>\$30,772.52</u>	
Leasehold Improvements	\$1,136,459.92	
Accumulated amortization	235,986.68	
Net Leasehold Improvements	<u>\$900,473.24</u>	
Other Intangible Asset	\$504,792.50	
Accumulated amortization	413,082.09	
Net Intangible Asset - Membership Database	<u>\$91,710.41</u>	
Total Fixed Assets and Intangible Asset		<u>1,155,370.53</u>
Total Assets		<u>\$14,122,774.92</u>

### LIABILITIES AND MEMBERS' EQUITY

#### Current Liabilities:

Accounts Payable & Accrued Liabilities	\$164,344.22
Accrued Vacations	314,082.99
Goods & Services Tax Payable	160,302.84
Prepaid Annual Dues	3,818,955.00
Total Current Liabilities	<u>\$4,457,685.05</u>

#### Members' Equity:

Reserves	\$2,868,114.00
Reserves - Investigation and Discipline Training	\$22,550.09
Retained Earnings	5,847,141.94
Surplus/(Deficit) for period	927,283.84
Total Members Equity	<u>\$9,665,089.87</u>
Total Liabilities & Members' Equity	<u>\$14,122,774.92</u>

## Consolidated Statement of Revenues and Expenditures for the Period Ended December 31, 2015 (unaudited)

	Unaudited 2015	Budget 2015	% of Budget	Audited 2014
<b>Revenues</b>				
Membership Dues	\$4,472,022.06	\$4,347,675.00	102.86	\$4,237,577.95
Licence Dues	29,962.50	42,250.00	70.92	32,187.24
Certificate of Authorization	692,100.98	639,000.00	108.31	653,572.45
Registration Fees	501,320.00	444,000.00	112.91	492,022.50
Late Payment Surcharges	9,831.00	20,000.00	49.16	38,028.25
Advertising (Newsletter and Website)	52,130.00	85,000.00	61.33	70,235.00
Interest	188,095.25	120,000.00	156.75	182,115.63
Miscellaneous	3,010.56	2,000.00	150.53	1,822.25
Other Revenue	0.00	0.00	0.00	7,500.00
Professional Practice Exam & Seminar	151,052.85	137,600.00	109.78	152,926.10
Member Seal Fees	11,085.16	10,000.00	110.85	11,922.62
Professional Development Day	41,350.00	75,000.00	55.13	76,735.00
Association Functions (Womens History & Book)	8,900.04	2,750.00	323.64	6,418.08
<b>Total Revenues</b>	<b>\$6,160,860.40</b>	<b>\$5,925,275.00</b>	<b>103.98</b>	<b>\$5,963,063.07</b>
<b>Expenditures</b>				
<b>Executive Committee</b>				
Executive Committee	\$14,754.78	\$13,425.00	109.91	\$11,251.16
Liaisons	78,768.85	72,100.00	109.25	58,798.24
Government Relations	81,278.15	69,800.00	116.44	76,987.06
UofS/UofR Activities	11,511.80	15,300.00	75.24	13,645.74
Provincial Meetings	39,111.37	41,100.00	95.16	41,516.54
Elections	28,551.30	23,800.00	119.96	10,747.94
Annual Report	84,441.11	61,500.00	137.30	56,446.60
Engineers Canada	160,070.84	187,000.00	85.60	166,729.07
Geoscientists Canada	43,726.06	45,000.00	97.17	41,543.32
<b>Total Executive Committee</b>	<b>\$542,214.26</b>	<b>\$529,025.00</b>	<b>102.49</b>	<b>\$477,665.67</b>

## Consolidated Statement of Revenues and Expenditures for the Period Ended December 31, 2015 (unaudited)

	Unaudited 2015	Budget 2015	% of Budget	Audited 2014
<b>Council &amp; Committees</b>				
Council Meetings	\$153,740.57	\$173,500.00	88.61	\$166,914.01
Investigation Committee	61,410.70	57,900.00	106.06	28,656.54
Discipline Committee	17,651.77	21,000.00	84.06	6,630.80
Enforcement	6,299.11	15,400.00	40.90	8,378.19
Special Events	2,543.35	0.00	0.00	0.00
<b>Total Council</b>	<b>\$241,645.50</b>	<b>\$267,800.00</b>	<b>90.23</b>	<b>\$210,579.54</b>
<b>Operations</b>				
Salaries	\$1,732,591.91	\$1,810,000.00	95.72	\$1,622,758.34
Fixed Asset Purchases	272.09	2,500.00	10.88	915.73
Depreciation	283,533.38	295,000.00	96.11	260,270.88
Occupancy Costs	588,727.11	571,225.00	103.06	663,474.92
Professional Fees	54,214.22	64,000.00	84.71	46,028.89
Telephone	14,217.59	11,900.00	119.48	7,218.36
Other Operations Costs	418,149.39	408,225.00	102.43	415,680.71
<b>Total Operations</b>	<b>\$3,091,705.69</b>	<b>\$3,162,850.00</b>	<b>97.75</b>	<b>\$3,016,347.83</b>
<b>Governance Board &amp; Committees</b>				
Governance Board	\$1,317.57	\$5,000.00	26.35	\$967.44
Legislative Review Committee	18.00	350.00	5.14	0.00
CEAB/CEQB Meetings	6,656.42	15,000.00	44.38	9,112.61
Experience Review Committee	54,887.70	72,100.00	76.13	54,078.85
Academic Review Committee/Interviews	95,574.79	49,750.00	192.11	28,643.75
Prof. Practice Exam Com./Seminar & Exam	146,891.89	205,500.00	71.48	145,777.28
Licensee Admissions Committee	4,814.87	1,600.00	300.93	205.17
<b>Total Governance Board</b>	<b>\$310,161.24</b>	<b>\$349,300.00</b>	<b>88.80</b>	<b>\$238,785.10</b>

Consolidated Statement of Revenues and Expenditures for the Period Ended December 31, 2015 (unaudited)

	Unaudited 2015	Budget 2015	% of Budget	Audited 2014
<b>Education Board &amp; Committees</b>				
Education Board	\$12,534.26	\$36,900.00	33.97	\$46,301.55
Environment and Environmental Issues Committee	1,408.13	4,500.00	31.29	3,871.43
Professional Development Committee	80,529.	16 112,000.00	71.90	128,542.52
Student Development Committee	102,117.04	94,575.00	107.97	87,301.65
K to 12 Committee	28,150.33	49,600.00	56.75	16,828.13
Scholarships and Bursaries	54,946.00	56,000.00	98.12	55,870.00
Total Education Board	\$279,684.92	\$353,575.00	79.10	\$338,715.28
<b>Image &amp; Identity Board</b>				
Image & Identity Board	\$4,740.28	\$37,575.00	12.62	\$9,294.30
CPR Committee	289,861.23	393,700.00	73.62	296,341.45
Connection and Involvement Committee	220,032.73	222,800.00	98.76	167,996.35
Awards Committee	40,814.98	28,200.00	144.73	2,911.91
Professional Edge Committee	188,329.54	179,885.00	104.69	172,687.35
Equity and Diversity Committee	21,546.32	19,950.00	108.00	7,510.83
Women's History Task Group	2,839.87	750.00	378.65	4,251.32
Total Image & Identity Board	\$768,164.95	\$882,860.00	87.01	\$660,993.51
Total Expenditures	\$5,233,576.56	\$5,545,410.00	94.38	\$4,943,086.93
Loss on Disposal of Capital Assests (2014)	0.00	0.00	0.00	25,317.25
Total Expenditures and Loss on Disposal	\$5,233,576.56	\$5,545,410.00		\$4,968,404.18
Surplus (Deficit)	\$927,283.84	\$379,865.00		\$994,658.89

## Investments and Cash Funds Month Ending December 31, 2015

Company	Certificate Number	Purchase Date	Maturity Date	Annual Yield %	Invested Value \$	Maturity Value \$
RBC DOMINION SECURITIES INC.						
B2B Trust GIC - Annual (2.550% Annual Yield)		Aug 29/11	Aug 29/16	2.550%	\$100,000.00	\$100,000.00
Bank of Nova Scotia GIC - Annual (2.550% Annual Yield)		Aug 29/11	Aug 29/16	2.550%	\$300,000.00	\$300,000.00
ICICI Bank GIC - Annual (2.630% Annual Yield)		Aug 29/11	Aug 29/16	2.630%	\$100,000.00	\$100,000.00
Vancity Credit Union GIC - Annual (1.300% Annual Yield)	#150902-B0F13D)	Sep 3/15	Sep 3/16	1.300%	\$100,000.00	\$100,000.00
Royal Bank of Canada GIC - Annual (1.250% Annual Yield)	#150902-B0F2A7)	Sep 3/15	Sept 6/16	1.250%	\$100,000.00	\$100,000.00
Royal Trust Corp GIC - Annual (1.250% Annual Yield)	#150902-B0F1B7)	Sep 3/15	Sep 6/16	1.250%	\$100,000.00	\$100,000.00
Peoples Trust GIC - Annual (1.400% Annual Yield)	#150902-B0F0CF)	Sept 3/15	Sep 6/16	1.400%	\$100,000.00	\$100,000.00
RBC Mortgage Corp GIC - Annual (1.250% Annual Yield)	#150902-B0F22D)	Sep 3/15	Sep 6/16	1.250%	\$100,000.00	\$100,000.00
Home Trust Company GIC - Annual (2.310% Annual Yield)		Sept 30/13	Sept 30/16	2.310%	\$100,000.00	\$100,000.00
Royal Bank of Canada GIC - Annual (2.670% Annual Yield)		Dec 23/11	Dec 23/16	2.670%	\$200,000.00	\$200,000.00
Canadian Western Trust GIC - Annual (1.760% Annual Yield)	#150901-B0AD25)	Sep 1/15	Sept 1/17	1.760%	\$100,000.00	\$100,000.00
Equitable Bank GIC - Annual (1.850% Annual Yield)	#150901- B0ACCO)	Sep 1/15	Sep 1/17	1.850%	\$100,000.00	\$100,000.00
Bank of Nova Scotia GIC - Annual (1.450% Annual Yield)	#150902-B0F2F0)	Sep 3/15	Sep 3/17	1.450%	\$400,000.00	\$400,000.00
State Bank of India GIC - Annual (1.510% Annual Yield)	#150902-B0F2D8)	Sep 3/15	Sep 5/17	1.510%	\$100,000.00	\$1,000,000.00
BMO Advisors Advan. GIC - Annual (2.650% Annual Yield)	#130927-B066D6)	Sept 30/13	Oct 02/17	2.650%	\$800,000.00	\$800,000.00

## Investments and Cash Funds Month Ending December 31, 2015

Company	Certificate Number	Purchase Date	Maturity Date	Annual Yield %	Invested Value \$	Maturity Value \$
Nat'l Bank of Canada GIC - Annual (2.650% Annual Yield)	#130927-B06632)	Sept 30/13	Oct 02/17	2.650%	\$200,000.00	\$200,000.00
Bank of Nova Scotia GIC - Annual (1.650% Annual Yield)	#150902-B0F320)	Sep 3/15	Sep 3/18	1.650%	\$700,000.00	\$700,000.00
BMO Advisors Advan. GIC - Annual (2.950% Annual Yield)	#130926-B07EDE)	Sept 27/13	Sept 27/18	2.950%	\$800,000.00	\$800,000.00
Canadian Tire Bank GIC - Annual (2.950% Annual Yield)	#130926-B07EBF)	Sept 27/13	Sept 27/18	2.950%	\$100,000.00	\$100,000.00
Natcan Trust Company GIC - Annual (2.900% Annual Yield)	#130927-B06632)	Sept 27/13	Sept 27/18	2.900%	\$100,000.00	\$100,000.00
HomeEquity Bank GIC - Annual (2.500% Annual Yield)	#140828-B0BFAB)	Aug 29/14	Aug 29/19	2.500%	\$100,000.00	\$100,000.00
Laurentian Bank GIC - Annual (2.460% Annual Yield)	140828-B0C020)	Aug 29/14	Aug 29/19	2.460%	\$100,000.00	\$100,000.00
LBC Trust GIC - Annual (2.460% Annual Yield)	140828-B0BFEF)	Aug 29/14	Aug 29/19	2.460%	\$100,000.00	\$100,000.00
Pacific & Western GIC - Annual (1.970% Annual Yield)	#150901-B0ADAE)	Sep 1/15	Sep 1/19	1.970%	\$100,000.00	\$100,000.00
Tangerine Bank GIC - Annual (1.800% Annual Yield)	#150902-B0F338)	Sep 3/15	Sep 3/19	1.800%	\$100,000.00	\$100,000.00
Bank of Nova Scotia GIC - Annual (1.800% Annual Yield)	#150902-B0F356)	Sep 3/15	Sep 3/19	1.800%	\$500,000.00	\$500,000.00
Bank of Nova Scotia GIC - Annual (2.570% Annual Yield)	141223-B02790)	Dec 23/14	Dec 23/19	2.570%	\$700,000.00	\$700,000.00
HSBC Bank Canada GIC - Annual (2.100% Annual Yield)	#150901-B0AE01)	Sep 1/15	Sep 1/20	2.100%	\$100,000.00	\$100,000.00
Montreal Trust CDA GIC - Annual (2.050% Annual Yield)	#150902-B0F3C4)	Sep 3/15	Sep 3/20	2.050%	\$100,000.00	\$100,000.00
Manulife Bank CDA GIC - Annual (2.050% Annual Yield)	#150902-B0F3B7)	Sep 3/15	Sep 3/20	2.050%	\$100,000.00	\$100,000.00
Bank of Nova Scotia GIC - Annual (2.050% Annual Yield -	#150902-B0F3D2)	Sep 3/15	Sep 3/20	2.050%	\$1,200,000.00	\$1,200,000.00



Company	Certificate Number	Purchase Date	Maturity Date	Annual Yield %	Invested Value \$	Maturity Value \$
Canadian Western Bank GIC - Annual (2.150% Annual Yield -	#150902-B0F37C)	Sep 3/15	Sep 3/20	2.150%	\$100,000.00	\$100,000.00
Laurentian Bank GIC - Annual (2.100% Annual Yield -	#150902-B0F389)	Sep 3/15	Sep 3/20	2.100%	\$100,000.00	\$100,000.00
Manulife Trust Co. GIC - Annual (2.050% Annual Yield -	#150902-B0F3A2)	Sep 3/15	Sept 3/20	2.050%	\$100,000.00	\$100,000.00
Bank of Nova Scotia GIC - Annual (2.260% Annual Yield -	#151217-B09A59)	Dec 17/15	Dec 17/20	2.260%	\$400,000.00	\$400,000.00
RBC INVESTMENT SAVINGS ACCOUNT		n/a	n/a	Variable	\$2,655,380.05	
TOTAL INVESTMENTS					\$11,255,380.05	
ROYAL BANK CURRENT ACCOUNT					\$1,488,207.40	
RBC DOMINION ACCOUNT					\$0.00	
TOTAL INVESTMENTS & CASH BALANCES					\$12,743,587.45	

## 2014-2015 APEGS Council

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### Back Row:

Stormy D.C. Holmes, P.Eng., FEC, Group Councillor, Environmental  
Gerry Hertz, Public Appointee  
John D. Unrau, P.Geo., Group Councillor, Geological, Mining, Petroleum, Geophysics and Geoscientists  
Rob Stables, P.Eng., District Councillor, South-East  
Robert (Bob) L. Cochran, P.Eng., Group Councillor, Agriculture and Forestry  
Brett A. LaRoche, P.Eng., District Councillor, North District  
Dwayne A. Gelowitz, P.Eng., FEC, Past President  
Timothy G. Stobbs, P.Eng., Group Councillor, Chemical, Ceramic and Metallurgical  
Dave D. Kent, P.Eng., FEC, Group Councillor, Civil  
Ian G. Sloman, P.Eng., Group Councillor, Electrical and Engineering Physics  
Sarah Jane Eaton, P.Geo., District Councillor Geoscience South  
Ben F. Boots, P.Eng., FEC, District Councillor, South-West  
Penelope K. Popp, P.Eng., Group Councillor, Members-in-Training  
Andrew R. Lockwood, P.Eng., FEC, Group Councillor, Mechanical and Industrial

### Front Row:

Michael S. Famulak, P.Geo., District Councillor, Geoscience North  
Margaret Anne Hodges, P.Eng., FEC, President-Elect  
Andrew Loken, P.Eng., FEC, President  
Tara Zrymiak, P.Eng., Vice President  
John G. Pearson, P.Geo., FGC, Geoscience Canada Director  
Dwayne Entner, Public Appointee

### Missing:

Rick B. Kullman, P.Eng., FEC, Engineers Canada Director

## 2015 APEGS Volunteers

---

### A

Hikmet Abdulkadir, P.Eng.  
Colin Abernethy, P.Eng.  
Dr. -Ing.Sven Achenbach, P.Eng.  
Adenike Adeoti, P.Eng.  
Alec Aitken, P.Geo.  
Salman Akhter, P.Eng.  
Patrick Alabi, P.Eng.  
Dianne Allen, P.Eng.  
Seyed Hamidreza Alvani, P.Eng.  
Mary Anderson, P.Geo.  
Daryl Andrew, P.Eng.  
Gregory Andrist, P.Eng.  
Holly Annand, P.Eng.  
Irvine Annesley, P.Geo.  
Kevin Ansdell, P.Geo., FEC (Hon.), FGC  
Ul Haque Ashraf  
Brian AuCoin, P.Eng.  
Michael Avery, P.Eng.  
Mohammed Aziz, P.Eng.

### B

Narendra Bakhshi, P.Eng.  
Danny Baliad, P.Eng.  
Margaret Ball, P.Eng., FEC  
Ernest Barber, P.Eng.  
John Baron, P.Eng.  
Tonia Batten, P.Eng.  
Devin Bean  
Nicole Beatch, P.Eng.  
Gordon Beck, P.Eng., FEC  
Georges Belcourt, P.Geo.

Cory Belyk, P.Geo.  
Stephen Bend, P.Geo.  
Luigi Benedicenti, P.Eng., FEC  
Lyle Benko  
Robert Berry, P.Eng., FEC  
Curtis Berthelot, P.Eng.  
Alexandre Binette  
Christopher Blondeel  
Ralph Bock, Geoscience Licensee  
Richard Bond, P.Eng.  
Daniel Bonnet, P.Eng.  
Ben Boots, P.Eng., FEC  
Leon Botham, P.Eng., FEC, FGC (Hon.)  
Andrew Bowerman, P.Eng.  
Danae Bradshaw, Engineer-In-Training  
Timothy Braun, P.Eng.  
Ryan Brazeal, P.Eng.  
Leta Brisebois, P.Eng.  
James Bugg, P.Eng.

### C

Stephanie Campbell, P.Eng.  
Shawn Carriere, P.Eng.  
Mitch Cassidy  
Gerino Catapang  
Rajeev Chadha, P.Eng.  
Xiongbiao (Daniel) Chen, P.Eng.  
Guoxiang Chi, P.Geo.  
Horea Chifa, P.Eng.  
Adeline Chiu, P.Eng.  
Nurul Chowdhury, P.Eng.  
Robert Cochran, P.Eng.

Brad Cochrane, Engineer-In-Training  
William Cook  
Robert Cooper, P.Eng.  
Karen Cossitt, P.Eng.  
David Crone, P.Eng.  
Kevin Croteau, P.Eng.  
Kevin Crowe, P.Eng.  
Angeline Crozier, P.Eng., FEC  
Larry Cruse, P.Eng.

### D

Janis Dale, P.Geo., FGC  
David Dansereau, P.Eng.  
Kristen Darr, P.Geo.  
Zahra Darzi, P.Eng., FEC  
S. Daum, P.Eng.  
Grant Dawson, P.Eng.  
Beatriz de Freitas, P.Eng.  
Kelvin DeGrow, P.Eng.  
David deMontigny, P.Eng.  
John Desjarlais, P.Eng.  
Michel Detharet, P.Eng.  
Anh Dinh, P.Eng.  
Kurtis Doney, P.Eng.  
Graeme Drysdale, P.Eng.  
Allan Duff, P.Eng.  
Matthew Dunn, P.Eng.

## 2015 APEGS Volunteers

---

### E

Edgar Earnshaw, Engineer-In-Training  
Sarah Jane Eaton, P.Geo.  
Yasir Elawad, P.Eng.  
Roy El-Durr, P.Eng.  
Dean Elliott  
Amin Elshorbagy, P.Eng.  
Christopher Englot, P.Eng.  
Dwayne Entner  
Zuri Epp, P.Eng.  
Lenard Erickson, P.Eng., FEC  
Richard Evitts, P.Eng.

### F

Moussa Fadl El-mawla, P.Eng.  
Kara Fagnou, P.Eng.  
Michael Famulak, P.Geo.  
Ian Farthing, P.Eng.  
Marten Fidler  
Andrea Fisher, P.Eng.  
Gregory Fisher, P.Eng.  
Ian Flegel, P.Eng.  
Terrance Fonstad, P.Eng.  
Jordan Forbes, Engineer-In-Training  
Richard Forbes, P.Eng., FEC, FGC (Hon.)  
Robert Forbes, P.Eng.  
Marcia Fortier, P.Geo.  
Danielle Fortin, P.Eng.  
Sandra Foster, P.Geo., FEC (Hon.), FGC  
Reza Fotouhi-C., P.Eng., FEC  
James Fraser, P.Eng.  
Dawn Friesen, P.Eng.

### G

Jeremy Gabel, P.Eng.  
Allen Gardiner, P.Eng.  
James Gates, P.Eng.  
Jeanette Gellela, P.Eng.  
Craig Gelowitz, P.Eng.  
Dwayne Gelowitz, P.Eng., FEC, FGC (Hon.)  
Donald George, P.Eng.  
Meghan Gervais, P.Eng.  
Imran Ghorri, P.Eng.  
Archie Gillies, P.Eng.  
Jon Gillies, P.Eng., FEC, FGC (Hon.)  
Grant Gingara, P.Eng.  
Gregory Godwin, P.Eng.  
Ramakrishna Gokaraju, P.Eng.  
Corey Gorrill, P.Eng.  
Craig Graham, P.Eng.  
Mike Griffin  
Catherine Griffith, P.Eng.

### H

Masood Haghighi,  
Jeremy Hall, P.Eng.  
Deliang Han, P.Geo.  
Randal Hanson, P.Eng.  
Dale Harsulla  
Robert Hawboldt, P.Eng.  
Christopher Hawkes, P.Geo., Engineer-In-Training  
Jerome Helfrich, P.Eng., FEC  
Myron Herasymuik, P.Eng., FEC  
Peter Herczakowski, P.Eng.  
Bruno Hernani, P.Eng.

Gerry Hertz

Darrel Hill, P.Eng.  
Douglas Hird, P.Eng.  
Margaret Anne Hodges, P.Eng., FEC  
Brett Holderness, P.Eng.  
Philip Holloway, P.Eng.  
Stormy Holmes, P.Eng., FEC  
Karl Hoover, P.Eng.  
Joshua Howe, P.Eng.  
Metro Hrabok, P.Eng.  
Jonathan Hromek, P.Eng.  
Yafei Hu, P.Eng.  
Gordon Huang, P.Eng.  
Kevin Hudson, P.Eng.  
Basil Hussain  
Glenn Hussey, P.Eng.

### I, J

Troddie Irlandez, P.Eng.  
Peter Jackson, P.Eng., FEC, FGC (Hon.)  
Mehrnoosh Janbakhsh, P.Eng.  
Sami Jasem, P.Eng.  
Gavin Jensen, P.Geo.  
Roy Jewell, P.Eng.  
Yee-chung Jin, P.Eng.  
Jaime Johnson, P.Eng.  
Russell Johnson, P.Eng.  
Donald Johnston, P.Eng.  
James Johnston, P.Eng.  
Lyle Jones, P.Eng., FEC  
Ian Judd-Henrey, P.Geo.

---

**K**

Rajesh Karki, P.Eng.  
Luke Kehrig, P.Eng.  
Lynn Kelley, P.Geo.  
Brett Kelln, Engineer-In-Training  
Douglas Kelln, P.Eng.  
Christopher Kennedy,  
David Kent, P.Eng., FEC  
Allah Wasaya Khalid,  
Seungmin Kim, P.Eng.  
Paul King, P.Eng.  
Darren Klassen, P.Geo.  
Ila Klassen, P.Eng.  
Trevor Knoll, P.Eng.  
Seok-Bum Ko, P.Eng.  
Kim Korchinski, P.Eng.  
Amanda Kostiuk, Engineer-In-Training  
Alexandre Koustov, P.Eng.  
Janusz Kozinski, P.Eng.  
Rick Kullman, P.Eng., FEC, FGC (Hon.)  
Steve Kuruliak  
Radhey Kushwaha, P.Eng., FEC  
Margaret Kuzyk, P.Eng., FEC, FGC (Hon.)

**L**

Paul Laforge, P.Eng.  
Vincent LaHaye, P.Eng.  
Anthony Lambert, P.Eng.  
Eric Lamontagne, P.Eng.  
Brett LaRoche, P.Eng.  
Stephen Lau

Kathlyn Ledding, P.Eng.  
Tim Ledding, P.Eng.  
Melvin Leu, P.Eng.  
Yen-Han Lin, P.Eng.  
Kenneth Linnen, P.Eng., FEC  
Jason Liu, P.Eng.  
Xiang (William) Liu, P.Eng.  
Edward Llewellyn, P.Eng.  
Andrew Lockwood, P.Eng., FEC  
Andrew Loken, P.Eng., FEC  
Arthur Lotts, P.Eng., P.Geo.  
Ian Loughran, P.Eng.  
Denard Lynch, P.Eng.

**M**

David MacDougall, P.Geo.  
Ryan MacGillivray, P.Eng.  
Peter MacLachlan, P.Eng.  
Reynaldo Madduma, P.Eng.  
Edmund Mahoney, P.Eng.  
Anastassia Manuilova, P.Eng.  
Brent Marjerison, P.Eng., FEC  
John Masich, P.Eng.  
Lori Matthews, P.Eng.  
Kerry Mazurek, P.Eng.  
Daniel McCarthy, P.Eng.  
Kevin McCullum, P.Eng.  
Brian McKinnon  
Dena McMartin, P.Eng., FEC  
Edward McMartin, P.Eng.  
Kerry McNamara, P.Eng.

Robert McPherson, P.Eng.  
Venkatesh Meda, P.Eng.  
Shakil Meenai  
Mehran Mehrandezh, P.Eng.  
Marina Melchiorre, P.Eng.  
Lei Meng, P.Eng.  
Xiao Wei (Annie) Meng, P.Eng.  
James Merriam, P.Geo.  
Andrew Mievre, P.Eng.  
Anant Minhas, P.Eng.  
Terence Monteith, P.Eng.  
Ryan Morelli, P.Geo.  
Erin Moss Tressel, P.Eng.  
Devin Mutschler, P.Eng., P.Geo., FGC  
Kristin Myette, Engineer-In-Training

**N**

Alireza Nafisi, P.Eng.  
Shahrooz Nafisi, P.Eng.  
Syed Naqvi, P.Eng.  
Matthew Naylor, P.Eng.  
Lisa Nehring, P.Eng.  
Kevin Ness, P.Eng.  
Philip Ng  
Catherine Niu, P.Eng.  
Jared Noll  
Nancy Normore, P.Geo.

**O**

Jaylyn Obrigewitsch, P.Eng.  
Akindede Odeshi, P.Eng.

## 2015 APEGS Volunteers

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Bartley Oegema, P.Eng.  
Patricia Ogilvie, P.Geo.  
Wheeler O'Harrow, P.Eng.  
Arthur Opseth, P.Eng., FEC, FGC (Hon.)  
Douglas Opseth, P.Eng.  
Jamal Oumha, P.Eng.

### P

Brian Palm, P.Eng.  
Satyanarayan Panigrahi, P.Eng.  
Young-Jin Park, P.Eng.  
Janice Paslawski, P.Eng.  
William Passy, P.Eng.  
Anna Paturova, P.Eng.  
Mark Paulsen, P.Eng.  
John Pearson, P.Geo., FGC  
Ronald Pearson, P.Eng., FEC  
Bruce Peberdy, P.Eng.  
Wei Peng, P.Eng.  
Spiros Philopoulos, P.Eng.  
Herbert (Colin) Pitman, Engineer-In-Training  
Diana Podborochynski, P.Eng.  
Shib Podder, P.Eng.  
Kent Pointon, P.Eng.  
Damodar Pokhrel, P.Eng.  
Penelope Popp, P.Eng.  
Erica Povhe, P.Eng.  
Richard Prankev, P.Eng.  
Sheri Praski, P.Eng., FEC  
Kaylee Puchala, Engineer-In-Training

### Q, R

Hairuo Qing, P.Geo.  
Hasan Rahman, P.Eng.  
Ashley Ransom, P.Eng., FEC  
Behrooz Razban, P.Eng.  
Alain Renaud, P.Geo.  
David Rezansoff, P.Geo.  
Donald Richardson,  
Francis Rieder, P.Eng.  
Cheryl Robertson, P.Eng.  
Deborah Rolfes  
Shawn Rolland  
Amritpaul Romana, P.Eng.  
Christopher Ross, P.Eng.  
Russell Roy, P.Eng.  
Montgomery Russell, P.Eng.

### S

Aryan Saadat Mehr, P.Eng.  
Sukhbir Sachdev, P.Eng.  
Hamid Salmasi, P.Eng.  
Devinder Sambhi, P.Eng.  
Brendon Samson  
Gordon Sarty, P.Eng.  
Jody Scammell, P.Eng.  
Ryan Schindelka, P.Eng.  
Bryan Schreiner, P.Eng., P.Geo., FEC, FGC  
Robert Schultz, P.Eng.  
Ravi Seera  
Dwayne Selinger, P.Eng.  
Rajeshkumar Shah, P.Eng.

Satish Sharma, P.Eng.  
Mark Sherwood, P.Eng.  
Debbie Shewfelt, P.Geo.  
Jolene Simon, P.Eng.  
Stacey Sirois, P.Eng.  
Ian Sloman, P.Eng.  
Brittany Smith, Engineer-In-Training  
Neilie Smith, P.Eng.  
Andrei Smolyakov, P.Eng.  
Hamid Soleymani, P.Eng.  
Jafar Soltan Mohammadzadeh, P.Eng.  
Yimin Song, P.Eng.  
Douglas Soveran, P.Eng.  
Rob Stables, P.Eng.  
Catharine Starkell, P.Eng.  
Duncan Starling, P.Eng.  
Curtis Steele  
Shani Steinhubl, P.Eng.  
Raymond Sthamann, P.Geo.  
Timothy Stobbs, P.Eng.  
John Styles, P.Eng., FEC  
Anwar Syed

### T

Kimberley Tang, P.Eng.  
Robby Tanner, P.Eng.  
Vaughn Teasdale, P.Eng.  
Hsiang-Yung Teng, P.Eng.  
Ashok Thakkar, P.Eng.  
Ondiveerapan Thirunavukkarasu, P.Eng.  
Michael Thomas, P.Eng.

---

Douglas Thomson, P.Eng.  
Brent Topp, P.Geo.  
Farshid Torabi, P.Eng.  
Jaime Tratch, P.Eng.  
Kevin Traves, P.Eng.  
Andrea Tresek, P.Eng.  
Devendra Trivedi, P.Eng.  
Robert Turczyn, P.Eng.

**U, V, W**

John Unrau, P.Geo.  
William van Breugel, P.Eng.  
Mark VanVliet, P.Eng.  
Douglas Wagner, P.Eng.  
Khan Wahid, P.Eng.  
Douglas Waldner, P.Eng.  
Sebastian Walrond, P.Eng.  
Trent Washkosky, P.Eng.  
Glen Weisbrod, P.Eng.  
Ross Welford, P.Eng.  
Terry Werbovetski, P.Eng., FEC  
Lisa White, P.Eng.  
Jason Whitelaw, Engineer-In-Training  
Mark Wiens, P.Eng.  
Philip Winter, P.Eng., FEC  
Shane Wolffe  
Andrea Wong, P.Eng.  
Connor Wright, P.Eng.  
Fangxiang Wu, P.Eng.

**X, Y, Z**

Yanan Xing, P.Eng.  
Daoyong Yang, P.Eng.  
Qiaoqin Yang, P.Eng.  
John Yannitsos, Engineering Licensee  
Gary Yeo, P.Geo., FEC (Hon.), FGC  
Vladimir Zalutskiy, P.Geo.  
Hao Zhang, P.Eng.  
Wen Jun (Chris) Zhang, P.Eng.  
Zuojing Zhu, P.Eng.  
Peter Zrymiak, P.Eng.  
Tara Zrymiak, P.Eng., FEC

# Through the Decades, We See More



**A P E G S**

*Association of Professional Engineers  
and Geoscientists of Saskatchewan*

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