



A P E G S

*Association of Professional Engineers  
& Geoscientists of Saskatchewan*



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ON THE COVER: March 7, 1997 - Honourable John E.N. Wiebe Lieutenant Governor of Saskatchewan signs the proclamation of The Engineering and Geoscience Professions Act, attended by Heinrich Feldkamp, P.Eng., FEC (APES President 1996 – 1997) and Frances Haidl, P.Geo., FEC (Hon.), FGC (Act Amendment Committee)

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## President's Report

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**A**s I compose this annual report, I am reminded that my term as president of APEGS will all too soon be coming to an end. The experience has far surpassed my expectations in learning and personal growth, both through my travels across the country representing the Association and here at home working with our Executive Committee, Council, staff and volunteers. We have shared our learnings and experiences with our sister associations, Engineers Canada and Geoscientists Canada to enhance their operations, and gained insights in return to help APEGS achieve our mandate even more effectively and efficiently. The importance of these activities cannot be overstated, and I am very pleased and honoured to have been given the opportunity to contribute.

In the spring of 2016, the selection committee formed to choose a successor for Dennis Paddock, P.Eng., FEC, FCSSE, FCAE, FGC (Hon.) went through a rigorous process which revealed the depth and breadth of knowledge and experience that exists within our organization. We are confident that our new Executive Director and Registrar, Bob McDonald, P.Eng., MBA, LL.B., FEC, FGC (Hon.), FCSSE will serve admirably in the role, and that APEGS will continue to prosper and be regarded as a leader in the country under his guidance.

Even though the economic status of Saskatchewan continues to be challenging, this is still the “place to be” in Canada as evidenced by the fact that APEGS is continuing to grow, albeit at a slightly reduced rate and with a significant increase in the number of members choosing to go on waivers instead of getting a full licence. This is an option that APEGS offers and encourages as a way to maintain connection with our members even if their employment situation hinders their ability to pay full dues. We are confident that the economic situation will turn around, and in the meantime the Association and its members are enhancing their abilities and performance as well as increasing their diversity and networks in order to remain vibrant and engaged.

The two top priorities for APEGS remain from last year: the 30 by 30 initiative and enhancement of our Continuing Professional Development program:

APEGS now has an official 30 by 30 Task Group chaired by Past President Margaret Anne Hodges, P.Eng., FEC. The membership comprises the APEGS representative on the Engineers Canada Sustainable Profession Committee and representatives from various APEGS committees, the universities and the government. The general mandate of this group is to champion and coordinate efforts of many of our committees and staff as we strive for 30 per cent of our membership to be women by the year 2030. This goal surpasses that of Engineers Canada to have 30 per cent of new registrants that year be women. It is a stretch goal to be sure, but it broadens the efforts to include increased retention of women in the professions, and our

task group is up to the challenge. In addition to the Women Creating Community reception in Saskatoon and Women of APEGS lunches in Regina, 2016 also saw a Women of APEGS luncheon in Saskatoon and the Women's History Month event, including the panel discussion on “20 Years of Women's Professional Leadership – Breaking Through the Barriers” in Regina. Members of the task group have also met with external stakeholders in the Status of Women Office, the Saskatchewan Mining Association, the Conference Board of Canada, career educators, etc. These types of consultations will continue. Moving forward into 2017, APEGS has approved a partnership with the Saskatchewan Science Centre to bring the IMAX film, *Dream Big!: Engineering Our World* to Saskatchewan, including a Girls Night Out event to introduce young girls to the fascinating world of engineering.

Assurance of the Continuing Professional Development (CPD) of our members continues to be a top priority for APEGS. The recommendations we heard last year from the investigations into a number of disasters across the country reinforced the requirement for APEGS to be able to prove to the government and the public that the professionals we regulate are maintaining their competence. Failure to do so could threaten our right to self-regulation, as evidenced by our sister organization in Quebec being placed under trusteeship by the government, and by realtors in BC losing their right to self-regulation. The fact that we are one of the last engineering and geoscience associations in Canada to have voluntary CPD reporting is already impeding the mobility of our members within Canada. In response to these challenges, APEGS has embarked on a multi-year path to implement mandatory reporting, including research into why people don't report, education through our CPD Road Show, enhancement of the online reporting tools, and evaluation of similar programs being undertaken by our sister organizations across the country and by other self-regulating professions here in Saskatchewan. We plan to work hard to convince our members of the need to report their activities so that, when the required bylaw change comes to a vote, it successfully passes.

Early in 2016 the Executive Committee formed a task group chaired by Councillor Ben Boots, P.Eng., FEC to consider a significant request for funding from the new Children's Discovery Museum project in Saskatoon. This group was intentionally populated with people with diverse opinions on how APEGS should respond to the request. After significant research and discussion the group determined that this project would benefit APEGS in numerous areas including Kindergarten to Grade 12, Student Development, Professional Development, Environment and Sustainability, Communications and Public Relations, Connection and Involvement, Equity and Diversity, and 30 by 30. They presented a counter proposal and are currently in discussions with the Children's Discovery Museum to work out the details. The work

of this task group will form a basis for further work to develop a policy to help APEGS and its committees manage future funding requests consistently and equitably.

The regular work of the Executive Committee in 2016 included five Council meetings and a Council orientation session, two planning sessions, six Executive Committee meetings, a special meeting to compile input for the Engineers Canada Linkages Task Force, and a meeting with the ACEC-SK Executive Committee to discuss topics of common interest. We also combined items from the previous Horizon Watch lists into an Executive Committee Roster with a similar format to the Initiatives and Actions Rosters being used by our committees.

My travels in 2016 included three Engineers Canada board meetings and the annual Meeting of Members for each of Engineers Canada and Geoscientists Canada. I also attended the annual meetings of most of our sister associations, and the PNWER summer and winter meetings. Early in 2016, Past President Margaret Anne Hodges worked with the presidents from APEGBC and OIQ to perform a much-needed update to the terms of reference for the Engineers Canada Presidents Group, and I am now serving a two-year term on the Engineers Canada Linkages Committee. In this way APEGS is proactively contributing to the enhancement of the connection between Engineers Canada and the constituent associations that are its owners. We are also providing feedback into the new strategic plan and prospectus programs that will ensure that the stakeholders have appropriate input into the projects undertaken by Engineers Canada.

Another key national issue we are watching closely involves the challenges with the Canadian Engineering Accreditation Board's (CEAB) plans for migration to outcomes-based accreditation of university programs. APEGS feels that our accreditation program is one of the key advantages of our regulatory system in Canada, and we value our ongoing positive relationship with the engineering colleges in Saskatchewan. In response to some strongly adverse reaction to the migration plans from some of the deans in BC, APEGS convened a series of meetings with the deans of the engineering colleges at our two universities and participated in a national meeting of the NCDEAS (National Council of Deans of Engineering and Applied Science). The general conclusion is that the CEAB does need to communicate more with the regulators, but that we can all work together to make this migration successful.

Following are some of the other issues and activities we are watching across the country:

- Multiple-Association mobility registration agreement
- Nationalization of the operational quality management program
- Competency-based experience reporting

- Alternatives to Canadian experience requirement
- More specific inclusion of ethics in Continuing Professional Development requirements
- Efforts by the Canadian Engineering Qualifications Board to make foreign credential assessment more consistent

As I stated in my opening paragraph, serving as president of APEGS has been a wonderful experience for me, and I couldn't have done it without the support of many committed and enthusiastic APEGS members and others. I would first like to express my appreciation to all of the Executive Committee and Council members from the years since I joined Council in 2011. I've learned during my travels that we are very fortunate to have such a collegial and professional group of volunteers directing this organization. At the end of 2016 the members of this group were as follows: Ernie M. Barber, P.Eng., P.Ag. (President-Elect), Stormy D.C. Holmes, P.Eng., FEC (Vice President), Margaret Anne E. Hodges, P.Eng., FEC (Past President), Dave D. Kent, P.Eng., FEC, Andrew R. Lockwood, P.Eng., FEC, Leo A.J. Niekamp, P.Eng., John D. Unrau, P.Geo., Holly J. Annand, P.Eng., Timothy G. Stobbs, P.Eng., Anastasia Manuilova, P.Eng., Kaylee S. Puchala, Engineer-in-Training, Rob Stables, P.Eng., FEC, Ben F. Boots, P.Eng., FEC, Brett A. LaRoche, P.Eng., Kristen J. Darr, P.Geo., Sara Jane Eaton, P.Geo., Dwaine Entner, Gerry Hertz, BSA, John G. Pearson, P.Geo., FGC, FEC (Hon.) (Geoscientists Canada Director) and Dwayne A. Gelowitz, P.Eng., FEC, FGC (Hon.) (Engineers Canada Director).

I would specifically like to heartily thank Ernie, Stormy, Margaret Anne, and first Dennis then Bob for their insights, guidance, direction and support in Executive Committee. You have all helped me to broaden my horizons and confidently represent APEGS over the past year. I look forward to continuing to work with you all – the Council is in good hands.

A Council is nothing without volunteers and staff to carry out its directives. There is no way that I can list here all of the volunteers on our committees, task groups and in the membership at large, but rest assured that you are all appreciated and supported. I'd specifically like to thank our awesome group of dedicated and hard-working staff members: Bob McDonald, P.Eng., MBA, LL.B, FEC, FGC (Hon.), FCSSE, Shawna Argue, P.Eng., FEC, FCSSE, FGC (Hon.), Ferguson Earnshaw, P.Eng., Kate MacLachlan, Ph.D., P.Geo., FEC (Hon.), FGC, Tina Maki, P.Eng., FEC, FGC (Hon.), Chris Wimmer, P.Eng., FEC, Barbara Miller, FEC (Hon.), FGC (Hon.), Jolene Arthur, Sharon Evaniew, Angela Foster, Candice Armstrong, Erin Beare, Alex Chabun, Patti Haus, Natasha Kabatoff, Karli Landry, Carla van Heerden and Fan Yang.

I'd also like to thank my family for their support during my endeavours. My chil-

dren, Jonathan, Christopher, Alexandra and Kimberly, have always expressed confidence that I could manage the APEGS positions along with other life challenges, and Alexandra especially helped by reversing our traditional roles and reviewing the various compositions that I prepared for this role. Finally, I want to thank my mother Doreen for being my travelling companion and providing additional linkage through the partners' programs across the country (and to first Wendy Paddock then Leah McDonald for providing guidance and introductions to mom).

It truly has been an honour and a privilege to serve APEGS over the past year. I hope I was able to do justice to the trust placed in me by the membership, and I look forward to continuing to be involved in this great organization!

Respectfully submitted,

Tara Zrymiak, P.Eng., FEC  
President

In 2016, Dennis Paddock, P.Eng., FEC, FGC (Hon.), FCSSE, FCAE retired as Executive Director and Registrar, after serving our professions in that capacity for 23 years. During his tenure, APES became APEGS with the proclamation of the current legislation and the inclusion of the geoscience profession in 1997. The Association grew from 3,656 members and licensees and 278 Certificates of Authorization at the end of 1993 to 12,853 members and licensees and 1,245 Certificates of Authorization at the end of 2016. In addition, the office was relocated from its previous location at 13th Avenue and Lorne Street to its current location in Harbour Landing. I had the opportunity and pleasure to work under his mentorship, tutelage and friendship for over 17 years, and continue to benefit from his wise counsel. Prior to serving as Executive Director and Registrar, Dennis was also the consummate volunteer, serving as committee member, APES President and also as APES representative on the CCPE board of directors. On behalf of all APEGS members, I thank Dennis and Wendy Paddock for their dedicated efforts on behalf of APEGS.

### Registration

The membership/licensee growth rate declined from 5.8 per cent to 5.1 per cent in 2016. This decline in growth rate, coupled with the decrease in applications in almost every category and a high level of resignations and licence waivers, indicates a continuing softness in the engineering and geoscience economy in Saskatchewan.

The statistics at the end of this report record the net outcome of all registration activities but do not capture the level of activity at the APEGS office, including the academic review of internationally educated applicants, assessment of work experience and compliance activities. The total number of applications of all types decreased by 20 per cent to 2,344 in 2016. The Academic Review Committee and the Experience Review Committee continue with heavy workloads.

### Compliance Activities

In the interests of public safety, *The Engineering and Geoscience Professions Act* requires that persons engaging in the practice of professional engineering or professional geoscience in Saskatchewan be appropriately licensed or supervised by someone licensed by APEGS. During the past year, staff actively identified persons engaging in unlicensed practice, misusing title or holding themselves out as being able to engage in the practice of professional engineering or professional geoscience. Staff followed up with these persons, resulting in some cases in licensure, and in other cases identifying the responsible Professional Engineer or Professional Geoscientist or that the person has complied with the Act. As APEGS members are the "eyes and ears" of the Association, staff seeks your assistance in this endeavour by reporting any potential compliance issues in Saskatchewan.

### Our Member Database, Website and Online Services

In 2016, Council approved an upgrade to the existing APEGS membership database. Work is continuing in 2017, and it is expected that the upgraded database will be in place for the 2017 renewal season. In conjunction with the upgraded database, members and applicants should see changes to the “online member experience” which will make it easier to apply for membership, conduct business transactions, update member information, become an APEGS volunteer, register for events, report Continuing Professional Development activities and renew Permission to Consult.

### Continuing Professional Development

The Code of Ethics requires that members and licensees “keep themselves informed in order to maintain their competence . . .” Council believes that APEGS members and licensees are undertaking activities to maintain their competence; however, there is currently nothing in the Act or Regulatory Bylaws requiring members to report on these activities. In 2016, Council endorsed the concept of requiring members to report on CPD activities, bringing APEGS in line with the requirements of most of the other engineering and geoscience regulators, and many other professions in Canada. During 2016, and continuing into 2017, staff and the Professional Development Committee have embarked on a campaign of meeting with members to explain the APEGS CPD program and encourage reporting. APEGS has also increased opportunities for professional development activities, in addition to activities provided by the learned societies, industry groups, employers, etc. If you have not already reported your 2016 activities, I encourage you to do so and track your 2017 activities.

### 30 by 30

APEGS Council has not only endorsed the Engineers Canada 30 by 30 initiative – increasing the percentage of newly licensed engineers who are women to 30 per cent by the year 2030 – but has created a “stretch objective” for Saskatchewan to 30 per cent of all registered engineers. APEGS Past President Margaret Anne Hodges is the APEGS “champion” of our 30 by 30 activities and will be working with APEGS volunteers, Engineers Canada and volunteers from across Canada, many stakeholders, including the education system, the universities, the Government of Saskatchewan and employers, and a variety of the APEGS committees. I encourage you to watch for and participate in our 30 by 30 activities and help promote engineering and geoscience to all prospective students in order to meet our objective.

### Membership Statistics

Membership Category	2015	2016	Change	% Change
P.Eng.	8,047	7,823	(224)	(2.8)%
P.Geo.	597	592	(5)	(1.0)%
Engineers-in-Training	1,693	1,876	183	10.8%
Geoscientists-in-Training	187	207	20	10.7%
Geoscience Licensees	8	9	1	12.5%
Engineering Licensees	58	81	23	39.7%
Temporary Licensees	38	29	(9)	(23.7)%
Licence Requirement Waived (P.Eng./P .Geo. Licensee/ Members-in-Training)	1,024	1,342	318	31.1%
Life Members (P.Eng. & P.Geo.)	819	922	103	12.6%
Total Number of Members/Licensees	12,471	12,881	410	3.2%
Resignations Members & Licensees	399	390	(9)	(2.3)%
Permission to Consult Applications	436	414	(22)	(5.1)%
Certificates of Authorization	1,223	1,245	22	1.8%

### Volunteerism and Outreach

APEGS functions with a complement of over 350 volunteers annually in all aspects of its operations. Volunteers and staff represented APEGS and the engineering and geoscience professions at a variety of events, national and provincial, with a diverse audience – the public, government, university, other regulators, learned societies and member events – all in support of public safety and attainment of our objectives outlined in *The Engineering and Geoscience Professions Act*. Volunteerism and outreach are important elements to APEGS and I thank all volunteers who contributed their time during 2016 in support of public safety and in the public interest. I offer special thanks to President Tara Zrymiak, P.Eng., FEC, Executive Committee and APEGS Council for their support during 2016. I also offer special thanks to my colleagues – the dedicated staff at APEGS – that serve the public, the membership and applicants.

Personally, I would like to thank the many members who offered their congratulations and support, and have placed their trust in me, in the transition from my role as Deputy Registrar to that of Executive Director and Registrar.

Respectfully submitted,

Robert H. McDonald, P.Eng., MBA, LL.B.,  
FEC, FGC (Hon.), FCSSE  
Executive Director and Registrar



*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, comprised 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 upon receipt of a written complaint 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,



## Discipline Committee

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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 throughout 2016. A total of 15 cases were investigated, of which seven were carried over from 2014, one was carried over from 2015, and seven were initiated in 2016. Six of these cases were closed in 2016, with one case being referred to the Discipline Committee. In addition, the Investigation Committee continued to be involved with pre-hearing conferences in two additional cases that were referred to the Discipline Committee in 2015. As of January 1, 2017, eight case files remain under investigation, and one pre-hearing conference will be scheduled for a case proceeding to a discipline hearing.

In total, 14 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 outstanding efforts in supporting the work of the Investigation Committee.

Respectfully submitted,

Erin Moss Tressel, P.Eng., Geoscientist-in-  
Training  
Chair

Under provisions of *The Engineering and Geoscience Professions Act* and Regulatory Bylaws, 1997, the Discipline Committee has the responsibility to act on formal complaints referred 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 2016, two formal Discipline Hearing Panels were convened for cases that were referred to the Discipline Committee. The results of these hearings are published in *The Professional Edge* and on the APEGS website.

The Act requires that the Discipline Committee receive a closing report from the Investigation Committee upon closure of an investigation that does not result in a formal complaint to the Discipline Committee. In 2016, the Chair of the Discipline Committee received five closing reports from the Investigation Committee. The reports were reviewed in confidence by the Chair and destroyed.

The Committee met officially twice in 2016. While there were no new faces on the Committee this year, we are always looking for volunteers. In keeping with the APEGS 30 by 30 initiative, we are also seeking to increase the representation of women on our committee.


I would like to thank our committee support, Shawna Argue, P.Eng., MBA, FEC, FCSSE, FGC (Hon.) as well as the many other APEGS staff for their help with the business of the Committee and preparing for the hearings. Without their continued support and patience, we would not be able to effectively carry on.

Respectfully submitted,

Grant Gingara, P.Eng.  
Chair

## 30 by 30 Task Group

At the May 2015 APEGS Annual Meeting, the membership passed a motion for APEGS to endorse Engineers Canada’s “30 by 30” initiative. APEGS joined the other provincial engineering regulators in signing on. The APEGS 30 by 30 goal is to raise the percentage of licensed engineers who are women to 30 per cent by the year 2030. Earlier this year, APEGS Council appointed a Task Group to lead this endeavour on APEGS’s behalf. Chaired by Past President Margaret Anne Hodges, PEng., FEC, the Task Group is made up of representatives from affected APEGS committees, the universities and other industry representatives. The Task Group held its kickoff meeting on May 27 in the APEGS office.

 The first woman registered with APEGS was Dr. Esther Jamieson, PEng. (a geologist) in 1969.

APEGS 30 by 30 initiative: To raise the percentage of licensed engineers that are women to 30 per cent by the year 2030. 2016: We are starting at 12%.

**2030:**  
Will we make it?



### 30 by 30 – Dream It! Believe It! Be It!

That is the message that APEGS’s newest Task Group wants to send to girls and young women in the province. Engineering and geoscience are exciting and rewarding careers for women to pursue. Why do we need to send this message? Women make up more than half of the Canadian population but are significantly under-represented in the engineering profession. Nationwide, about 13 per cent of practising licensed engineers are women; Saskatchewan is at 12 per cent. On an encouraging note, in 2016 newly licensed women Engineers-in-Training and Professional Engineers made up 16.5 per cent, but there is still a long way to go.

APEGS’s 30 by 30 Task Group has been active throughout the province in the last few months:

- Partnering with government (Saskatchewan’s Status of Women Office and the Ministry of Education) and other organizations to make Dream It! Believe It! Be It! a reality.
- Reaching out to career educators to help them understand what career opportunities exist for girls and boys in the fields of engineering and geoscience.
- Attending career fairs and providing classroom material that brings awareness about the professions to students from K to 12.
- Communication is a major component of 30 by 30. In order to initiate conversations about the opportunities of engineering and geoscience to young women, and engage APEGS members, the Task Group has developed a series of age-related logos and banners to be used at public events.
- Using the 30 by 30 logos, the Task Group has created promotional material that will appeal to girls/young women and boys while promoting what an engineering and geoscience career can offer.
- Bringing an understanding of what engineers and geoscientists contribute to society, by going to where the public is. Watch for APEGS to appear at festivals and public events in the coming years.
- APEGS is the title sponsor for the Saskatchewan Science Centre’s Kramer IMAX showing of *Dream Big – Engineering Our World* an inspiring film for girls and boys of all ages, about the contributions of engineers to society and the opportunities in pursuing an engineering career. Rarely are there media productions that explain what engineers do, and this IMAX film delivers.

I would like to thank the Task Group members for their effort and guidance. Although we are a new APEGS group, we have made a great deal of progress in less than a year.

On behalf of the Task Group, I also want to acknowledge and thank Shawna Argue, PEng., FEC, FCSSE, FGC (Hon.), APEGS Director of Education and Compliance, for her outstanding support of the Task Group’s activities and agenda this year.

Respectfully submitted,

Margaret Anne Hodges, PEng., FEC  
Chair

## Governance Board



The Governance Board oversees the work of the committees that fulfill the primary mandate of APEGS to protect the public and the environment. This mandate is achieved by defining policies and maintaining a consistent and equitable process for identifying and registering engineers and geoscientists qualified to work in Saskatchewan, and then administering the high standards for admission into the professions. The Board also maintains important connections with the provincial government and related organizations in order to promote an understanding of the practice of engineering and geoscience and its scope among employers, government and the public.

The Governance Board is chaired by the APEGS President, and is composed of the Chairs and Liaison Councillors from the following committees: Academic Review, Experience Review, Licensee Admissions, Professional Practice Exam, Registrar's Advisory and Legislative Liaison. The APEGS representative to the Saskatchewan Construction Panel also sits on the Governance Board.

The objectives, activities and accomplishments of the various committees that form the Governance Board are outlined in the individual committee reports that follow. I would like to highlight a few activities and achievements:

Although the rate of growth of the Association has slowed over the past year, the Academic Review Committee and the Experience Review Committee continue to be extremely busy working through a large number of applicants. I want to express my

sincere appreciation to this dedicated group of volunteers who play a pivotal role in the function of APEGS.

In response to participant feedback, the Professional Practice Exam Committee continually updates the seminar offered twice per year. This year they added more content related to the Act and Bylaws (aka "the blue book").

The Licensee Admissions Committee facilitates the Association's mandate to appropriately license qualified people even if they don't have the required education for full professional licensure. This year the committee worked towards enhancing these offerings with policy and guideline updates and formed a new subcommittee to optimize advertising of the licensee program.

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

On behalf of the Board, I want to acknowledge and thank Tina Maki, PEng., FEC, FGC (Hon.), for her coordination of the Governance Board activities and agenda this year. I would also like to thank Bob McDonald, PEng., MBA, LL.B., FEC, FGC (Hon.), FCSSE; Kate MacLachlan, P.Geo., FGC, FEC (Hon.); Shawna Argue, PEng., FEC, FCSSE, FGC (Hon.); Ferguson Earnshaw, PEng.; and the rest of the APEGS staff for their help with Governance Board activities.

Respectfully submitted,

Tara Zrymiak, PEng., FEC  
Chair

## Academic Review Committee

The Academic Review Committee (ARC) consists of 17 voting members and 12 non-voting reviewers. 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 as prescribed in section 20(1) of *The Engineering and Geosciences Professions Act*. Individuals who have graduated from a CEAB-accredited Canadian program, are registered in another Association/Ordre in Canada or who otherwise fall under the Registrar's Acceptance List are expeditiously registered as a P.Eng./P.Geo or as a Member-in-Training without a detailed academic review by ARC. The ARC reviews 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 2-3 hours.

The assessment of applications by ARC 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. ARC advises applicants of any deficiencies and provides a clear roadmap for the applicant to correct any identified deficiencies. If there are no deficiencies, or once the applicant has fulfilled deficiencies, they will be assigned three confirmatory exams, which are intended to confirm that the applicant's program is at a level comparable to a similar program in Canada. The confirmatory exams may be waived by the ARC in a number of situations, but most commonly if the applicant has five or more years of acceptable engineering or geoscience work experience at a professional level, as determined by the Experience Review Committee (ERC), or if the applicant holds a graduate degree from an acceptable university program, as determined by the ARC.

The following table provides a summary of the applications processed by ARC over the past three years.

Over the past six years, the number of international graduates applying for licensure as a Member-in-Training has significantly increased from about 200 in 2010 to a peak of about 550 in 2015. In 2016 the total of internationally educated applicants for Member-in-Training is expected to be about 400, which is a significant decrease from the previous year. About half of these applicants go to ARC for detailed review. In response to the increased volume, and as a result of increased knowledge of international programs, the Committee has introduced a simplified review process for applicants from institutions and programs with which the Committee is familiar. In April 2015 ARC bypass option #1 was introduced and permitted applicants meeting certain criteria to be referred to ERC by staff, to have their work experience assessed to waive confirmatory exams. Thus 2016 was the first full year where applicants could be processed through bypass option #1. This likely explains why the num-

### Academic Review Committee over the past three years

Category	Engineering			Geoscience		
	2014	2015	2016	2014	2015	2016
Individual applicants	192	209	174	15	29	22
Assigned deficiencies	66	108	82	4	12	3
Assigned confirmatory exams	37	22	26	0	1	0
Given ERC option to waive confirmatory exams	44	42	24	1	0	0
Course approval requests	11	16	4	1	0	0
Recommend as EIT	46	44	37	7	13	17
Denied	7	7	7	2	4	2
Exam/course results	18	11	11	1	0	1
Reassessment requests	17	18	22	0	2	3
<b>Total files through ARC</b>	<b>211</b>	<b>239</b>	<b>180</b>	<b>15</b>	<b>30</b>	<b>22</b>

ber of applicants who got the ERC option to waive from ARC is down significantly from 2015. In December 2015 bypass option #2 was approved, which allowed staff to assign confirmatory exams to applicants who have the same program as an applicant previously assessed by ARC and assigned confirmatory exams.

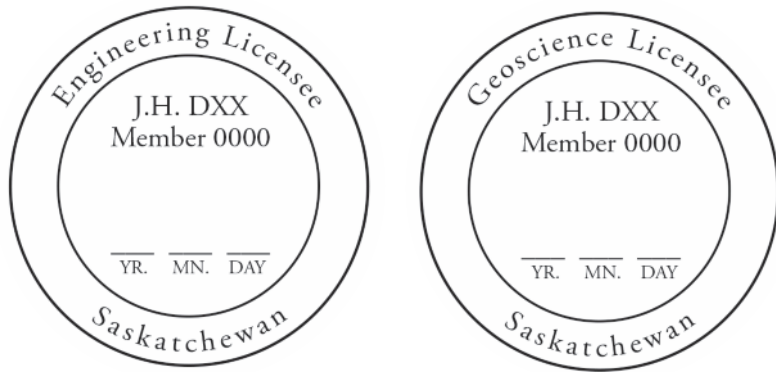
In 2016 ARC created a guideline for a prior learning assessment and recognition (PLAR) process consisting of work experience reporting to fulfill up to two deficiencies. During the time that this guideline was in development there was a hiatus in the reassessment of applicants who wanted their work experience considered to fulfill some of their deficiencies. In 2016 one applicant had work experience assessed under the new guideline and was successful in getting deficiencies fulfilled.

ARC is fortunate to have a diversity of committed volunteers who are fluent in a variety of languages, have personal knowledge of Canadian programs, foreign post-secondary educational systems and institutions and personal experience with ARC processes leading to their professional registration in Saskatchewan. Without them, ARC would be unable to complete its mission.

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.

Respectfully submitted,  
Douglas Soveran, P.Eng.  
Chair

## Licensee Admissions Committee



An individual who cannot satisfy the Association's requirement for professional recognition but can attest to a suitable combination of education and experience can be granted a Restricted Licence to practise professional engineering or geoscience within a specific scope of work. The Licensee Admissions Committee is responsible for reviewing applications and approving the corresponding scope of work.

### **The Committee met five times in 2016 to:**

- Review seven new applications, of which six were accepted;
- Approve the experience reports for three ongoing applicants; and
- Give final approval to three applicants.

Eighteen applicants already licensed elsewhere were approved directly through the Registrar's Acceptance List under the terms of an interprovincial mobility agreement.

### **By the end of 2016:**

- Approximately 30 application files are open and are in various stages of completion; and
- 81 members are registered as Engineering Licensees and eight as Geoscience Licensees.

### **Topics of interest to the Committee during 2016 have been:**

- Reducing probation periods when experience exceeds requirements;

- Updating the Licensee Member Guidelines;
- Updating the Committee's Terms of Reference;
- Preparing an orientation package for new Committee members;
- Creating an advertising subcommittee; and
- Implementing the Association's new termination policy for applications inactive for more than two years.

The Committee is looking forward to expanding the reach of the licensee program and to offering the opportunity to individuals with the right professional background to join the Association. For questions regarding the licensing process, please contact Shawna Argue at 306-525-9547, Toll free 1-800-500-9547 or by email at [sargue@apegs.ca](mailto:sargue@apegs.ca).

Committee members would like to renew their deepest appreciation to Director Shawna Argue, P.Eng., MBA, FEC, FCSSE, FGC (Hon.) for her dedication to the Licensee Admissions Committee.

Respectfully submitted,

Mike Detharet, P.Eng., FEC  
Chair

## Experience Review Committee

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 41 members of the Experience Review Committee reviewed 1,276 work experience reports from 869 applicants, compared to 1,365, 1,310 and 1,298 reports reviewed in 2015, 2014 and 2013, respectively.

The Committee would like to thank the three retiring members whose terms ended in 2016. As we look forward to another busy year, the Committee is pleased to welcome five new members. Special thanks to the volunteers for their hard work, dedication, and most importantly, their patience and focus during committee meetings.

The Committee would also like to thank Tina Maki, P.Eng., FEC, FGC (Hon.) and all the APEGS staff for the support they provided in 2016. We would also like to congratulate E. Ferguson Earnshaw on his new role as APEGS Director of Corporate Practice and Compliance. We look forward to working with him in this new role.

Respectfully submitted,

Kevin Traves, P.Eng.  
Chair

## Professional Practice Examination Committee

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;
- An introduction to the Act and Bylaws;
- Investigation and discipline processes of the Association;
- Professional conduct, ethics and responsibilities; and
- Continuing Professional Development.

The spring seminar was held in Saskatoon on April 15 and 16, 2016 with 198 registrations, and the fall seminar was held on September 9 and 10, 2016 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 200 people wrote the spring exam on May 28, 2016, or alternate dates, with two failures. One hundred and fifty-seven people wrote the fall exam on October 22, 2016, or alternate dates. There was only one failure in the fall sitting.

The committee completed a review and update to the Professional Practice Exam Committee's policies and terms of reference. This update was subsequently approved by Council.

Respectfully submitted,

John Baron, P.Eng.  
Chair

## Registrar's Advisory Committee

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 2016 to consider a question of character on four applicants. Outcomes of cases where character has been determined to be in question are published in *The Professional Edge* for the information of members, applicants and the public.

The committee would like to thank the APEGS staff for the support they have provided to the committee in 2016.

Respectfully submitted,

Registrar's Advisory Committee

## Legislative Liaison Committee



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.

Thirty-eight new Bills were introduced at the first session of the 28th legislature, which commenced on May 17, 2016 and concluded on June 30, 2016. Seven new Bills were introduced at the fall sitting of the Legislative Assembly which commenced on October 19, 2016 and concluded on November 30, 2016. A total of 45 Bills were monitored during the year. The 45 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

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.

The Co-Chairs of the Saskatchewan Construction Panel 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.

The major topic of discussion in 2016 was the harmonization of procurement documents, and major progress was made. There is a working group consisting of some members of the Saskatchewan Construction Panel along with Priority Saskatchewan who are leading this initiative. Major progress has been made with the prime groups – Advanced Education, Health, and Municipalities. A series of templates/guides have been developed. It is a major cultural shift to base purchasing on best value rather than best price. There is an advocacy role to play, keeping in mind how to encourage competition and strength in a way that doesn't exclude.

Respectfully submitted,

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

*Ideas that move you.*

*The drive of engineers and geoscientists.*

They ensure safe infrastructure and discover new sources of oil, gas and minerals.  
They monitor soil, water and the environment as a whole.  
They help create and apply the next generation of products, technologies and ideas.

*Their insight and invention provides prosperity and security for all Saskatchewan people.*

**We see more.**  
APEGGS  
Association of Professional Engineers  
& Geoscientists of Saskatchewan

The Image and Identity (I&I) Board promotes the value of engineering and geoscience within the professions and to the public through member engagement and recognition and through communications and public relations. The I&I Board is chaired by the President-Elect and is comprised of the committee Chairs and Liaison Councillors for the five standing committees reporting through the I&I Board.

- **Awards Committee:** The committee's mandate is to lead APEGGS initiatives and programs that seek to recognize members' achievements. The committee develops criteria for APEGGS awards, seeks nominees and recommends award recipients to the I&I Board. It also develops nominations of members for awards administered by other organizations. The committee identified exemplary candidates for APEGGS awards in 2016, and for awards given by Engineers Canada and Geoscientists Canada.
- **Communications and Public Relations Committee (CPR):** The committee's mandate is to raise the awareness and profile of the engineering and geoscience professions within APEGGS and other professional organizations, government, the busi-



## Awards Committee

ness community and the general public. The CPR renewed the APEGS awareness campaign which included the development of five new “explainer” style television commercials featuring five themes – mechanical, electricity, agriculture, water and mining.

- **Connection and Involvement Committee (C&I):** The committee’s mandate is to enhance the experience of APEGS members by providing opportunities and information whereby members may be involved within APEGS and constituent societies. The committee launched the “Online Volunteer Orientation Module” live on the APEGS website and has initiated a volunteer recognition certificate program as a complement to the already successful annual volunteer appreciation event.
- **Equity and Diversity Committee (E&D):** The committee’s mandate is to provide leadership for APEGS on equity and diversity goals, to foster an understanding of the importance of equity and diversity within the engineering and geoscience professions, and to lead or participate in initiatives to attain and celebrate the achievement of equity and diversity goals. This year the work of the committee was streamlined into three very active subcommittees focusing on women (including support for the 30 by 30 initiative), indigenous peoples, and visible minorities and international graduates.
- **Professional Edge Committee (PEC):** The committee’s mandate is to publish the *Edge*, the Association’s magazine, in both print and digital format. A project has been initiated to build and maintain an official online archive as an important component of the historical records of APEGS.

Personally and on behalf of all APEGS members, I offer sincere gratitude for the generosity, dedication and wisdom of the leaders and volunteers of these committees. Their work is supported, enhanced and given continuity from year to year by a terrific APEGS staff. Thank you!

Respectfully submitted,

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

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 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 2016 Annual Meeting Awards Banquet were:

- Brian Eckel Distinguished Service Award: Albert Munro, P.Eng., FEC, FGC (Hon.)
- Outstanding Achievement Award: Klaus Ottenbreit, P.Eng., A.Sc.T.
- McCannel Service Award: Malcolm Reeves, P.Eng., P.Geo., FEC, FGC
- Promising Member Award: Beatriz de Freitas, P.Eng.
- Exceptional Engineering and Geoscience Project: European Space Agency (ESA) Rosetta Mission
- Environmental Excellence: David deMontigny, Ph.D., P.Eng.
- Friend of the Professions: Ben Freitag

## Awards Committee

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

The APEGS Member Education Grants were awarded for the third time in 2016. This grant was established to support APEGS members furthering their education by graduate studies at either the University of Regina or the University of Saskatchewan. The two recipients for 2016 were Holly Annand, PEng. (University of Saskatchewan) and Christine Enmark, PEng. (University of Regina).

In 2016 the committee was pleased to present award recipients with the new APEGS award designed and crafted by Saskatchewan artist Joe Fafard.

I would like 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



An important role of the Connection and Involvement Committee is to enhance the APEGS membership experience by providing opportunities and information related to involvement, benefits and activities within APEGS and its constituent societies. Every year the Connection and Involvement Committee organizes and manages the APEGS Annual Meeting and Professional Development Conference (AM), member salary survey and volunteer appreciation event. The Connection and Involvement Committee also manages the grants provided to the active constituent societies.

The 2016 Annual Meeting, Evolving Professionals – We See More, was held in Saskatoon on May 5 to 7. The Annual Meeting started off with a public lecture featuring the University of Saskatchewan Space Design Team and continued with several streams of seminars and tours. The professional development luncheon on Friday included keynote speaker Jesse Hirsh, an Internet strategist, researcher and broadcaster based in Toronto. He has a weekly nationally syndicated column on CBC radio, explaining and analyzing the latest trends and developments in technology, using language and examples that are meaningful and relevant to everyday life. On Saturday the business meeting was an opportunity for members to meet their Council, vote on APEGS motions and receive reports.

The Connection and Involvement Committee continues to deliver the annual salary survey to provide APEGS members with salary baselines under several categories. The survey is open to Saskatchewan members at the beginning of each year. The

## Professional Edge Committee

information is compiled and results are posted in *The Professional Edge* and on the APEGS website, usually in May/June of that year. The C&I is also looking into the benefits of conducting an employer salary survey.

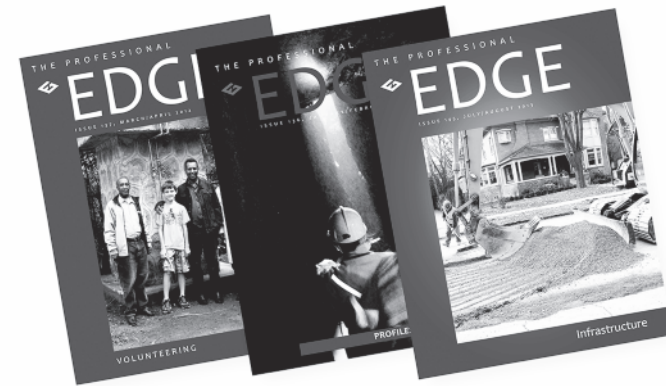
The Connection and Involvement Committee Online Volunteer Orientation Module is now live on the APEGS website. The module is a tool for APEGS volunteers to receive orientation regarding their roles as a volunteer and to become more familiar with the APEGS Act and Bylaws. All volunteers, in waiting, new and current will be encouraged to complete the online module. The C&I continues to look for ways to improve its volunteer management.

The second annual Volunteer Appreciation Event was held in Regina on November 3, 2016 in partnership with the Professional Development Committee's Fall Professional Development Days. The evening's entertainment was Chris Funk The Wonderist, who has been seen on America's Got Talent and Fool Us. In addition, the C&I paid the registration fees for the active APEGS volunteers who attended the Fall Professional Development Days sessions. A similar event will be planned for Saskatoon in 2017.

The Connection and Involvement Committee is further recognizing APEGS volunteers by issuing a volunteer recognition certificate upon completion of volunteer terms.

Respectfully submitted,

Jaylyn Obrigewitsch, P.Eng.  
Chair



The Professional Edge Committee's mandate is to publish current and relevant articles on subject areas of interest to the Saskatchewan community of professional engineers and geoscientists and to set business and publishing policy. To meet this mandate, The Professional Edge Committee publishes *The Professional Edge* once every two months.

*The Professional Edge* covers a wide array of topics. Each edition focuses on a central theme that deals with 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 APEGS membership. New additions to the *Edge* in 2016 included a regular safety column and a Technology Corner where new advances in technology were highlighted. To ensure that each issue contains relevant material for all readers, the Committee invites members' input and ideas for articles to be included in the publication.

### **Publications for 2016 included the following themes:**

- Profiles in Achievement (January/February)
- Ethics(March/April)
- Annual Meeting (May/June)

- Foreign Trained Professionals(July/August)
- Agriculture (September/October)
- Medicine(November/December)

*The Professional Edge* remains a print magazine and is regularly accompanied by a mobile electronic version called the *e-Edge*. The *e-Edge* editions will remain accessible for approximately one year, but the portable document format (pdf) export of the print magazine will become the official archive. The Committee has initiated a project, which will extend well into 2017, to make all past issues of the *Edge* available electronically. Watch the APEGS website for this historical archive of engineering and geoscience in Saskatchewan. A combination of the print and electronic versions of the publication will continue to be used for *The Professional Edge* for the next few years. Members are encouraged to share their thoughts regarding the publication with the Edge Committee — send email to [apecgs@apecgs.ca](mailto:apecgs@apecgs.ca) or call the APEGS office.

This year the Committee solicited interest from nearly 100 members who are registered on the APEGS volunteer database and had expressed interest in volunteering for the Edge Committee. Two new members were selected. It is anticipated that the Committee will continue to use this method to select volunteer committee members on a go-forward basis.

The publication of *The Professional Edge* is aided greatly by the work of the members of The *Professional Edge* Committee and the writing and editorial skills of Lyle Hewitt, Martin Charlton Communications. The Committee acknowledges the contributions of all volunteers who served on the committee over the past year and expresses its gratitude to APEGS staff for their ongoing support.

Respectfully submitted,

Robert Schultz, P.Eng.  
Chair



The Communication and Public Relations 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 our professions and our Association within the following audiences:

- General public
- Business
- Governments and politicians
- APEGS members
- Other professional organizations

The Communication and Public Relations Committee had been working on a three-year cycle developing a multimedia campaign which primarily utilized billboards, radio, web media and print media as a means of reaching our target audiences. Print media is also 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 2016. This multimedia campaign focused on Engineering and Geoscience Week and featured a 30-second television commercial together with strategically placed billboards. Additionally, Internet pre-roll and banner style ads were incorporated into the campaign.

## Equity and Diversity Committee

In the fall of 2016, the campaign was renewed for an additional three-year cycle. Five new “explainer” style television commercials were developed with the themes of mechanical, electricity, agriculture, water and mining. The campaign is now concentrated in two flights annually, one during Engineering and Geoscience Week and the second in early fall. The Communication and Public Relations Committee will conduct polling periodically to gauge the success of the messaging.

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 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. 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 Communication and Public Relations Committee has been well served in 2016 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, PEng., FEC  
Chair



The Equity and Diversity Committee mandate is to provide leadership for the Association on equity and diversity matters and to 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 Equity and Diversity Committee currently consists of nine 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 2016, our subcommittees were streamlined to provide more effective results for the membership. Currently Equity and Diversity includes the following subcommittees:

- Women of APEGS
- Aboriginal Persons
- Visible Minorities and International Graduates

The Women of APEGS (WoA) has included introducing the 30 by 30 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 2017.

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 national level for learning opportunities and has established a connection with

the American Indian Science & Engineering Society (AISES), 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 information more effectively to Aboriginal APEGS members as they are more likely to be spread out in northern communities rather than being 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. Other jurisdictions have 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 the same ethnic chapters in Saskatchewan.

The Equity and Diversity Committee recognizes APEGS staff for their help with some of the initiatives in 2016 and looks forward to highlighting results from this group during the 2017 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, participation in the 30 by 30 initiative, planning for participation in Canada-wide Science Fair and STEAM 2017, and renewing the student video project.
- **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 sponsorships 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

## Professional Development Committee

and maintain the Continuing Professional Development program. The committee was responsible for planning and delivering PD Days in Regina and 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.

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 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 2016 to be extremely well supported by the APEGS office, and particularly by Shawna Argue, P.Eng., MBA, FEC, FCSSE, FGC (Hon.).

Respectfully submitted,

Stormy Holmes, P.Eng., FEC  
Chair

The Professional Development Committee (PDC) promotes and encourages the professional growth and continuing education of all members of APEGS. We do this by educating members on the requirements of the Continuing Professional Development Program and the need to stay current in their chosen field of practice. We offer various opportunities to obtain professional development credits.

The Committee's activities for 2016 included Professional Development Days held in May and November. Both sessions were well attended and received good feedback from attendees. The Connection & Involvement (C&I) and Environmental and Sustainability Committees played key roles in the planning and execution of the fall PD days, for which the PDC is very appreciative. The focus of these development activities continues to be on soft skills building, including areas such as leadership, communication and management.

The second half of 2016 saw a significant increase in activities geared towards the implementation of mandatory reporting of Professional Development (PD) credits by APEGS members. This included a travelling Road Show to various member groups on the importance of reporting PD credits. A total of 17 presentations were made to approximately 300 members. The PDC intends to continue through 2017 with additional Road Shows.

The Committee also utilized *The Professional Edge* magazine to communicate on the urgency of reporting PD. Articles were published in two issues and prizes were awarded to members who reported their credits online by December 31.

An important achievement of 2016 was the documentation of a plan towards mandatory reporting. This will be a road map for the committee's activities during 2017.

Our committee size is an item under consideration. Presently there are 10 members but we struggle with workload distribution as not all members are able to contribute equally. We have recently recruited two new members.

We would like to thank all those committee volunteers and members who have shown support for our undertakings over the last year. We would especially like to recognize the contributions of the APEGS office staff for their invaluable help with meetings and other activities.

Respectfully submitted,

Sebastian Walrond, P.Eng.  
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 liaison with students and faculty at other related post-secondary institutions.

In 2016, APEGS promoted several enriching endeavours. The U of S hosted the Western Inter-University Geological Conference and the World Mining Competition.

The funding for 2017 has been awarded and the upcoming events can be seen on the next page..

In 2016, the committee acted on its APEGS – Initiatives and Actions Roster as part of the APEGS Value Proposition (AVP). Initiatives include:

- APEGS Information to Student review; and
- APEGS University Student Mentorship review.

We have completed a survey of students at the U of S and U of R in both engineering and geology to gauge their level of knowledge of APEGS and what they are looking for in mentorship. The findings were interesting and are being used to form a work plan for the coming years to increase engagement with university students. A special thanks to our subcommittee who helped develop the survey.

In the near future please keep an eye out for opportunities for the APEGS membership to engage with university students. Participation in these engagement activities will lead to a strong APEGS membership in years to come.

We appointed a representative to the 30 by 30 Task Group and look forward to supporting their initiatives in the near future.

I would like to thank the members of the committee, whose names appear elsewhere in this report.

Special thank you to Shawna Argue, P.Eng., NBA, FEC, FGC (Hon.), staff liaison, and the APEGS staff for supporting the committee throughout the year. We look forward to another successful year with you.

This is my last year as Chair. I am appreciative of the experiences I have had with the committee and Education Board. I wish them luck and success in the future.

Respectfully submitted,

Ashley Ransom, P.Eng., FEC  
Chair

Group	Grants	Sponsorship
<b>Regina Engineering Students' Society</b>	<b>\$7,200</b>	<b>\$18,225</b>
	WESST Executives Meeting CFES Congress CFES Presidents Meeting Conference on Diversity in Engineering Year 1 to 4 Reception WESST AGM Retreat National Engineering Week	Western Engineering Competition Regina Engineering Competition Construction Baja SAE International - Baja Competition Engineers Without Borders Global Engineering Competition World Mining Competition
<b>Saskatoon Engineering Students' Society</b>	<b>\$8,150</b>	<b>\$45,275</b>
	CFES Conference on Diversity in Engineering CFES Presidents Meeting WESST Executives Meeting WESST AGM Retreat Western Engineering Competition CFES Congress Saskatoon Engineering Competition	Great Northern Concrete Toboggan Race U of S Aero Design Team Huskie Motorsports IEEE Illumination ASABE 1/4 Scale Tractor International Student Design Competition USST European Rover Challenges, SEDS-Canada Reduced Gravity Experiment Design Challenge Engineers Without Borders: xChange: EWB National Conference, Global Engineering Symposium Environmental Engineering Students' Society/ENVESS Industry Tour Canadian Mining Games U of S - Team exUS (James Dyson Award 2017)
<b>D. M. Kent Club (U of R Geology Student Group)</b>	<b>\$1,250</b>	<b>\$14,200</b>
	WIUGC	PDAC AMEbc Roundup
<b>Ore Gangue (U of S Geology Student Group)</b>	<b>\$1,250</b>	<b>\$13,800</b>
	WIUGC	WIUGC Canmore Core Lab Trip AME Roundup 2017
<b>Total</b>	<b>\$17,850</b>	<b>\$91,500</b>



## Kindergarten to Grade 12 Committee



The mandate of the K-12 Committee is to promote and encourage science, technology, engineering, arts and mathematics (“STEAM”) education to students from kindergarten to grade 12, their parents and educators. In 2016, the K-12 Committee continued its activities with this aim in mind.

“30 by 30” is an Engineers Canada initiative. Its aim is to increase the proportion of newly licensed female engineering/geoscience members to 30 per cent by the year 2030. These future members are currently in grades 2-4 and the program will benefit from encouragement and fostering of their interest in STEAM subject areas. A member of the K-12 Committee is a part of the 30 by 30 Task Group and the Committee will continue in future years working on this initiative. Talks are also ongoing with the coordinators of SciFi and EYES to develop more programs focusing on girls.

The Committee updated funding application forms and guidelines, which are available on the APEGS website. The new application package will enable Committee members to make decisions fairly and effectively, and thus the Committee will be able to spend money wisely.

Committee members and other APEGS volunteers attended science/career fairs in Regina, Saskatoon, Fort Qu’Appelle, Rosetown, Moose Jaw, Assiniboia and Yorkton. The PowerPoint presentation that is used at various science/career fairs has been updated with new content and revised statistics. The Committee also purchased new interactive display toys, namely Tegu for grades K-3, Keva crate for grades 4-7, and SnapCircuits for grades 8+.

The Committee has begun work to develop career exploration cards to help students meet successful people and learn about their careers. The career exploration cards will focus on providing information to students and teachers regarding careers in engineering and geoscience.

The Canada-wide Science Fair, STEAM2017, will be held in May 2017 at the University of Regina. APEGS will be a silver sponsor of this event and will have a booth there.

The Committee will continue the career video project with Evan Hardy media studies students, starting in Feb 2017. The videos will be featured on the APEGS website and will include interviews with several APEGS members from across the province. The plan is to focus more on female professionals to promote more girls in engineering or geoscience. See the previously completed videos on the APEGS website.

The Committee offers outreach and sponsorship to various student groups, organizations and educators in our province. In 2016 this list included, but was not limited to, EYES Science Camps (U of R), Sci-Fi Science Camps (U of S), various robotics clubs (province-wide), Saskatchewan Science Fairs and the chess association.

I greatly appreciate the support of all the members of the K-12 Committee, the Liaison Councillor, APEGS staff and APEGS member volunteers who have given their time through direct involvement in various activities and for supporting the Committee throughout the year. The K-12 Committee would also like to thank other committees for their collaboration on various projects. We look forward to receiving the same support and association for another successful year.

Respectfully submitted,

Rajesh Shah, P.Eng.  
Chair



This Committee promotes environment and sustainability considerations in APEGS member actions, and facilitates learning opportunities that raise awareness of current issues. The Committee also works closely with Engineers Canada and Geoscientists Canada on matters related to environment and sustainability. The Committee is made up of members representing a diverse range of industries across Saskatchewan, offering a broad background of expertise.

Throughout 2016, regular articles were published by Committee members in *The Professional Edge* on a wide range of topics including energy and climate change, food and water, waste management and site remediation. Professional development opportunities included sessions on climate change mitigation and adaptation, prevention and mitigation of aquatic invasive species, and integrating sustainability to facilitate successful project outcomes.

Respectfully submitted,

Kevin Hudson, P.Eng.  
Chair

There were two University of Saskatchewan Senate meetings held during the past year: April 23, 2016 and October 15, 2016.

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.
- First official meeting for President Peter Stoicheff was on April 23, 2016.
- A new unit has been set up called University Relations with a new Vice President dealing with fundraising, marketing, communications, alumni and community.
- The Gordon Oakes Red Bear Student Centre was officially opened in February.
- The University Council passed a motion supporting the inclusion of indigenous knowledge in all degree programs.
- Don Seaman, P.Eng., graduate in mechanical engineering from the U of S 1947 is being awarded an Honorary Doctor of Laws at the spring convocation.
- Chancellor Blaine Favel completed his three-year term as Chancellor on October 15, 2016. A selection process for his successor has been completed and Roy Romanow was selected. His nomination was approved at the October 15, 2016 Senate meeting.
- A new Mission and Values statement is nearing completion after a year of consultation and two drafts.
- A search is on to replace the Provost and Vice President Academic Ernie Barber, P.Eng., P.Ag. He held the interim position from July 2014 to September 2016.
- Construction of the hotel east of the football stadium has started.
- The Home Ice Campaign is well in progress with less than \$7 million remaining to raise for the Merlis Belsher Place which will be located near Griffiths Stadium.
- A Huskie Athletics Board of Trustees was established to oversee the Huskie athletic program.
- A new Collaborative Science Research Building has been approved and will be substantially complete by May 2018.
- Graham N. George (Dept. of Geological Sciences) and Jo-Anne R. Dillon (Dept. of Microbiology) have been named as Fellows of the Royal Society of Canada.
- The College of Arts and Science has eliminated the three divisions:
  - Division of Humanities and Fine Arts
  - Division of Social Sciences
  - Division of Science.

Total enrolment at the university for fall 2016 was 20,234 which is up 2.6 per cent. There were 17,305 undergraduate students and 2,929 graduate students. Twelve per cent were international students.

The search continues for the replacement of retired Dean Georges Kipouras, College of Engineering. The temporary replacement is Donald Bergstrom, P.Eng. The direction of the college continues to follow the 2012-2016 strategic plan under the Third Integrated Plan (2012-2017). During those four years, the objectives were:

- Increase the size and diversity in our student body including:
  - Increase undergraduate enrolment by about 15 per cent;
  - Increase graduate enrolment by about 40 per cent;
  - Double the portion of our student body that self-identifies as Aboriginal, from 3 per cent to 6 per cent of undergraduate students and from 2 per cent to 4 per cent of our graduate students; and
  - Increase the portion of women in our undergraduate student body to 25 per cent from 19 per cent and the portion of graduate student body from 30 per cent to 35 per cent.
- Increase the average per-faculty research funding by about 25 per cent; and
- Increase the College's three-year fundraising average from \$3.2 million to \$5.2 million.

Respectfully submitted,

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

The University of Regina Senate is currently made up of approximately 100 members, including university officials, government officials, heads of federated or affiliated colleges, deans, elected representative of 12 electoral districts, students and representatives appointed by numerous external organizations such as APEGS. Any professional society, group or organization in the province that, in the opinion of the Senate, contributes in a significant way to the social, economic and cultural welfare of the province may, with the consent of the Senate, be represented on that body. Because of its broad public representation, the Senate has been described both as the university's "window on the world" and the "world's window on the university." Its functions have to do with the academic welfare of the institution and, within this area, it has a variety of duties and powers. Most of the broader issues of academic policy within the university are reserved for its approval. In another role, it acts as an ultimate court in academic affairs. The Senate receives recommendations from the U of R Council on those areas for which Senate decisions are required.

The University of Regina Senate met three times in 2016. A number of the year's highlights are summarized below.

- In December 2016, the University of Regina Board of Governors announced the reappointment of Dr. Vianne Timmons in her role as president and vice-chancellor of the University of Regina. Timmons's third five-year term begins on July 1, 2018.
- Students continue to attend the university in record numbers. Enrolment was strong for the 2016 spring/summer semester, up by 3.0 per cent compared to spring/summer 2015, with the number of credit hours taught up by 3.9 per cent. This trend continued for the fall semester. As of the end of the fourth week of classes, 14,849 students were enrolled at the university and its federated colleges, which is up 3.4 per cent compared to last year. This includes an 8.0 per cent increase in the number of graduate students, and substantial increases in the number of students enrolled at the federated colleges. The number of credit hours being taught is also up by 2.1 per cent. This marks the eighth consecutive year of enrolment increases, and the sixth consecutive year of record enrolment.
- Engineering is showing a 1 per cent increase in overall head count. The top four faculties that international students continue to attend are the Faculty of Graduate Studies and Research, the Faculty of Engineering and Applied Science, the Faculty of Arts and the Faculty of Business Administration.
- The university passed its 22nd consecutive balanced budget. The institution is in good financial shape for this academic year, but remains aware of the province's challenging financial situation. Special attention is being given to continued operation within available means for the years to come.

- The Senate approved a strategic research plan for 2016-21.
- The Senate approved the SaskPower Clean Energy Chair which will be housed in the Faculty of Engineering and Applied Science. Research undertaken by the Chair holder should provide solutions to global warming, climate change and sustainability and create recognition for the University of Regina as the global leader in carbon capture, utilization and storage clean energy research. Funds are already in place for this Chair. An appointment has not yet been made.
- After a great deal of planning and public consultation, the university is proceeding with the College Avenue Campus revitalization. This work includes upgrades to Darke Hall and the College Building, as well as demolition of the Conservatory and Gallery buildings. In August, the federal government announced that the university would be receiving \$30 million in funding through the Post-Secondary Institutions Strategic Investment Fund. Of that funding, \$27.6 million is earmarked for the College Avenue Campus revitalization, with another \$2.4 million for upgrades to the Laboratory Building. The \$27.6 million in funding from the federal government was an important step in allowing the revitalization project to move forward. Equally important is a partnership with Conexus Credit Union, which will see Conexus contribute up to \$8.25 million to the revitalization. The partnership involves the construction of a new Conexus head office on land adjacent to the College Avenue Campus that was recently donated to the university by the City of Regina.
- In June, the Natural Sciences and Engineering Research Council of Canada awarded close to \$1.5 million for more than a dozen research projects in the areas of environment, climate and health.
- Spring Convocation took place in June 2016, with 2,162 students graduating. This represented the largest convocation in the university's history. Fall Convocation took place in October 2016, with more than 760 students – the second-largest fall graduating class in history – receiving their degrees, certificates and diplomas.
- Ryan Clark, a student in the Faculty of Engineering and Applied Science, was one of four recipients of the Queen Elizabeth II Diamond Jubilee Scholarship, which will provide him with the opportunity to study abroad with Commonwealth partner universities.
- Dr. Gordon Huang of the Faculty of Engineering and Applied Science was awarded an honorary degree from McMaster University in June.
- Dr. Paitoon Tontiwachwuthikul of the Faculty of Engineering and Applied Science was one of 43 new Fellows from across Canada who were honoured at the Canadian Academy of Engineering's annual general meeting in Winnipeg.
- A research team in the Faculty of Engineering and Applied Science consisting

of Dr. Wei Peng, Dr. Rene Mayorga and Dean Esam Hussein has devised an “Automated Confirmatory System” to help radiologists detect breast cancer in women. The results of their work have been published in *Computer Methods and Programs in Biomedicine*, a science journal that encourages the application of computing methods in the fields of biomedical and medical practice.

- Dr. Stephen Bend, a professor of petroleum geology, was the recipient of the American Association of Petroleum Geologists Foundation Professorial Award. The award is given annually to a professor for excellence in the teaching of natural resources in the earth sciences.
- Recent Engineering and Applied Science graduates, Brad Lulik, Eva Rennie and Brent Yeske won a global student design competition put on by the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE). Their winning project was a thorough energy assessment of the building that houses Little Souls Daycare, an affiliate of Souls Harbour Rescue Mission in Regina.
- The What is Engineering event was held on October 14, 2016. Hosted by the U of R in partnership with the U of S and APEGS, the event was a great success, attracting 160 high school students.

I am pleased to have been appointed as APEGS representative on the U of R Senate for a three-year term effective July 1, 2016 to June 30, 2019. As the APEGS appointed member of the Senate, I am also a member of the Faculty of Engineering and Applied Science Council (a committee of the Senate) for a two-year term. Dr. Esam Hussein, Dean of the Faculty of Engineering and Applied Science, is the Chair of the committee and a member of the Senate.

My predecessor, Art Opseth, attended his last University of Regina Senate meeting on June 1, 2016, having served for two terms (six years). Art has been elected by the Senate as one of two persons representing the Senate at meetings of the U of R Board of Governors. As such, Art will continue to attend Senate meetings as well as Board of Governors meetings. Art also attends meetings of Faculty of Engineering and Applied Science Council as Professor Emeritus. I am extremely grateful to Art for the tremendous contributions he has so generously provided and continues to provide to APEGS and the University of Regina.

Respectfully submitted,

Rick Kullman, P.Eng., FCSCE, FEC, FGC  
(Hon.), FCSSE  
APEGS Representative to the University of  
Regina 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 290,000 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 in the advancement of the profession in the public interest.

A new strategic plan for Engineers Canada has been under development since the board retreat in June 2016. A number of items outlining strategic directions and desired outcomes have been identified for the organization. Consultation with APEGS Council occurred in December 2016 with a number of recommendations provided to Engineers Canada. Revisions to the plan are currently being undertaken and a second round of consultations will occur later in the winter, with the goal of completing the strategic plan by the Annual Meeting in May 2017.

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 respective jurisdictions. Engineers Canada supports the CEO Group by facilitating the development and ongoing improvement of the framework. At the end of 2016, 28 elements have been completed, 18 are available for consultation and 10 are under way.

Engineers Canada has launched a Mobility Register, which grants qualified engineers the right to use the IntPE or APEC Engineer designations, demonstrating that they are qualified to practise engineering internationally. This free service uses a self-assessment process whereby Canadian Professional Engineers declare that they meet and will maintain the qualifications to be on the register. In some international jurisdictions, these engineers may experience faster registration as a result of their inclusion on the register.

The Engineers Canada board has approved a new national guideline on returning to active practice, which presents recommendations to the engineering regulators on the treatment of individuals seeking to regain their right to practise professional engineering. The guideline provides guidance on the documentation and considerations related to requests to return to active practice, whether they come from former members seeking reinstatement or from current members who have given up their right to practise and wish to resume practising.

The Canadian Engineering Accreditation Board (CEAB), a standing committee of the Engineers Canada board, is the only body that accredits the Canadian undergraduate engineering programs that meet the profession's high educational stan-

dards. 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 countries 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.

At the Engineers Canada board meeting in October, the board voted to maintain the status quo in terms of the continued use of the current accreditation unit (AU) process for accreditation of engineering programs while the CEAB and the National Council of Deans of Engineering and Applied Science (NCDEAS) move toward accreditation based upon graduate attributes. It was understood that the CEAB would be more flexible in working with the Deans of Engineering to predetermine and approve more innovative course content in the engineering programs in the interim.

The decision of the board to continue with the current accreditation system has resulted in some anxiety among a number of Deans of Engineering across the country. Subsequent to the Engineers Canada board meeting, UBC and the University of Victoria expressed that they may be willing to proceed with program changes at their respective universities and opt out of the Canadian accreditation system.

As a result of these comments and based upon a recommendation from APEGS through to the Engineers Canada Executive Committee, a letter was prepared and forwarded to each dean of an engineering program on November 22, 2016. The letter expressed the importance to Engineers Canada and the regulators of the accreditation system and a desire to work with the CEAB and NCDEAS to find a solution to the mutual benefit of all parties.

NCDEAS held its Annual Meeting in Regina from November 24 to 27. APEGS was represented as the host jurisdiction by Ernie Barber, PEng. and Tina Maki, PEng., FEC, FG (Hon.). Engineers Canada was represented by CEO Kim Allen at the meeting.

At the meeting, NCDEAS, Engineers Canada and the CEAB reaffirmed a desire to work together toward accreditation based upon graduate attributes and to move away from the use of AUs in the future. Discussions on these items will be ongoing in 2017 and beyond.

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 that 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.

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 and 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 projects and publications such as the Public Infrastructure Engineering Vulnerability Committee Protocol and the Labour Market Report.

Engineers Canada has formally adopted the 30 by 30 goal of having 30 per cent of newly registered members being women by 2030. Nationally, 11 regulators have assigned champions for the program, and at Engineers Canada Sarah Deveraux has been appointed the champion. Six engineering schools have also signed on to the goal. The current national average for female registration is 17 per cent.

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.

My participation in Engineers Canada has been interesting and memorable. In the current year I have been appointed as 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 APEGS's appointed Director.

Respectfully submitted,

Dwayne Gelowitz, PEng., FEC, FGC (Hon.)  
Director, Engineers Canada



Geoscientists Canada is a national council of self-governing professional associations (constituent associations) that regulate the profession of geoscience in each of the jurisdictions in Canada. Geoscientists Canada 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 the "Incidental Practice Initiative" which was initiated in 2014 between the Association of Professional Geologists of Ontario and APEGBC.

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

At the Annual General Meeting held in Calgary, Jeff O'Keefe, director from Newfoundland and Labrador, was elected as the president elect and Ganpat Lodha of Manitoba was appointed as the treasurer. Hendrik Falck of the Northwest Territories is the current president, replacing George Eynon of Alberta.

A major focus of the Governance Committee was to develop and implement an updated terms of reference for all committees of Geoscientists Canada. As well, the revision of the Governance Manual for Directors (now renamed the Directors' Manual) has been completed and adopted. The new manual is a compendium, including a narrative for directors, followed by all Geoscientists Canada's governance references: the Certificates of Continuance, Bylaws, Rules and Regulations, Policies and committee and task force terms of reference.

The Board of Directors of Geoscientists Canada continues to move forward and implement the recommendations put forward in the 2014 "Moving Forward Document." The two focus areas for 2016 were: 1) Admission Outcomes Consistency and 2) Develop Professional Reliance Model.

### **Admission Outcomes Consistency**

Geoscientists Canada has undertaken the following initiatives:

- In 2015, Geoscientists Canada 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). Following the change in government in October 2015 all programs came under review, causing a delay in the decision-making process. Geoscientists Canada has modified the proposal as recommended by ESDC and resubmitted the proposal with a decision expected by mid-year.
- National Guideline for Geoscientist-in-Training Programs: Each of the constituent associations has the mandate to regulate the practice of geoscience and register Professional Geoscientists. Geoscientists Canada's "Geoscience Knowledge and Experience Requirements for Professional Registration in Canada" (GKE) is the primary reference for the evaluation of applicants for professional registration, and details the academic framework necessary to become a Geoscientist-in-Training (GIT). In 2016, Geoscientists Canada published the "National Guidelines" which are intended to be an expression of general principles which have a broad basis of consensus while recognizing and supporting the autonomy of each CA to administer its geoscience legislation. Geoscientists Canada guidelines enunciate the principles of an issue but leave the detailed applications, policies, practices and exceptions to the CAs. This guideline was published for the use of the CAs. Additionally, during 2016 Geoscientists Canada began the development of a similar set of guidelines for the use of geoscientists beginning their careers (GITs) and in need of a reference to guide their professional development to become practising Professional Geoscientists.

### **Develop Professional Reliance Model**

- Qualified Persons short course: under this initiative Geoscientists Canada has developed and released to the CAs the Qualified Person short course for students. The course, developed in conjunction with the CAs, the Ontario Securities Commission, advisors to the petroleum section of the Alberta Securities Commission and several independent reviewers, is a one day short course based on the re-

quirements of NI 43-101 and NI 51-101. This course consists of approximately 186 slides and includes four case studies which will be reviewed during break-out sessions. While this course is extremely valuable for students at the beginning of their careers, it would also be useful as a refresher for practising Professional Geoscientists.

- Geoethics and professionalism: both domestically and internationally, the topic of geoethics and professionalism has become increasingly important. Under this initiative, the CEO, president and a number of directors have organized, chaired and given presentations on these topics at a number of major conferences both internationally and domestically including the Geological Association of Canada Annual General Meeting in Whitehorse and the 35th International Geological Congress in Capetown, South Africa. At the latter, representatives from Canada gave nine presentations. These will be published in Geoscience Canada, which is a journal of the Geological Association of Canada.

A major international resource conference, "Resources of Future Generations" will be held in Vancouver in June 2018. Geoscientists Canada is a proponent for a session at the conference on geoethics. This conference is expected to draw 5,000 delegates to attend sessions on energy, minerals, water, the Earth and resources and society. As a lead-up to this, Geoscience Canada, with the support of the Canadian Federation of Earth Sciences, is preparing a booklet entitled "Geology for Society," which provides insight into the role geoscience plays in society, including but not limited to the economy, energy, minerals, water, engineering, environment, geohazards and climate, using Canadian examples.

The Canadian Geoscience Standards Board (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 PGeo., the practice of geoscience, a number of useful publications about professional geoscience and links to each of the CAs.

Respectfully submitted,

John G. Pearson, PGeo., FGC, FEC (Hon.)  
Director, Geoscientists Canada

I am pleased to report to the Association of Professional Engineers and Geoscientists of Saskatchewan (“APEGS”) the College of Engineering’s activity over the past academic year.

Demand for our fully accredited undergraduate programs remains strong. The college continued to offer a wide array of high quality academic programs that were enhanced over the past year by the implementation of three new mining options developed in partnership with the International Minerals Innovation Institute (IMII). In addition, our popular professional communications option was converted to a Certificate in Professional Communication in order to provide practicing professionals, along with current students, access to this valuable training.

The college also launched a major initiative aimed at improving the academic success and overall experience of first year engineering students. Along with facilitated study sessions to support student learning, a series of tutorials were introduced to encourage the development of a wide variety of critical skills ranging from strategies for studying, writing exams and time management to personal financial management. In recognition of the limited existing collaborative learning spaces available for students, a large portion of the Engineering Library was repurposed into a well-utilized study area. At the same time, efforts are underway to streamline academic processes for graduate students to ensure a consistently high quality educational experience.

Research remains a top priority for the College of Engineering. Although present research activity is substantial, the College is committed to enhanced outcomes, both in terms of discovery research and providing innovative solutions to industrial and community partners. Furthermore, the College is directing more of its research focus on the signature areas being promoted by the University.

The college has a long and distinguished track-record of excellence, especially in undergraduate education. It aspires to become a national and international leader in both engineering education and research. It will continue to support enhanced learning opportunities and pursue collaborative partnerships to support economic prosperity in our province.

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

## College Enrollment

Significant progress has been made towards the attainment of many of the objectives outlined in the College of Engineering’s most recent strategic plan, particularly with respect to total enrolment and diversity goals. This section provides details about the undergraduate and graduate student body.

Undergraduate enrolment has experienced growth and significant change over the past five academic years (see Table A). Since 2011, total undergraduate enrolment increased by 9.3% to a level that is very close to our capacity based on the available building space and laboratory facilities. The college continues to receive substantially more applications from new students than can be accepted.

**TABLE A: College Enrollment (Aggregate)**

Reporting Level	Reporting Year				
	11/12	12/13	13/14	14/15	15/16
Undergraduate	1606	1663	1761	1764	1755
Graduate	416	431	440	407	417
TOTAL	2022	2094	2201	2171	2172

While most undergraduate students continue to originate from Saskatchewan, the diversity of our student population has increased substantially (see Tables B and C). International and out-of-province undergraduate enrolment has increased by an encouraging 56% and 57%, respectively, suggesting the opportunity for further growth from these regions if not restricted by capacity considerations. The majority of out-of-province students have come from western Canada. In addition, Aboriginal undergraduate enrollment has increased by 25% since 2012, although remaining below targets set in the strategic plan. Female undergraduate enrollment has remained consistently below target levels at approximately 20% of the total student population.



**TABLE B: College Enrollment (Place of Origin)**

Headcount		Reporting Year				
		11/12	12/13	13/14	14/15	15/16
Undergraduate	International Origin	156	198	220	242	243
	Out of Province	216	226	270	305	340
	Saskatchewan	416	431	440	407	417
Graduate	International Origin	266	290	309	295	296
	Out of Province	27	32	31	29	34
	Saskatchewan	123	109	100	83	87
TOTAL		2022	2094	2201	2171	2172

Graduate enrolment remained relatively stable over the past five academic years. However, like the undergraduate population, the composition of the graduate student body has changed significantly. Since 2011, international and out-of-province graduate enrolment has increased by 11% and 26%, respectively. As seen in Table B, fewer graduate students now originate from Saskatchewan than other geographic areas.

**TABLE C: Indigenous Enrollment (Aggregate)**

Reporting Level	Reporting Year				
	11/12	12/13	13/14	14/15	15/16
Undergraduate	-	56	60	61	70
Graduate	-	5	3	2	3
TOTAL	-	61	63	63	73

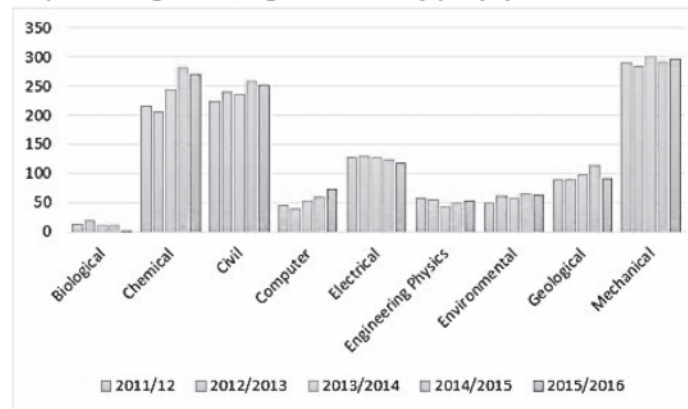
### Academic Programs

The College of Engineering continues to offer a full complement of robust and industry-relevant academic programming. This includes eight fully accredited undergraduate programs, eight graduate programs, and a newly created Certificate in Professional Communication program.

Demand for our undergraduate programs remains strong. As seen in Graph A, the Chemical, Civil, Electrical, and Mechanical Engineering programs remain heavily subscribed, with modest growth seen in most programs since 2011. Most notably, enrolment in the Chemical Engineering program has grown by 25% during this period. In addition, although enrolment in the undergraduate programs remained relatively constant over the past academic year, enrolment in the Computer Engineering program increased by 24% in one year. It should be noted that the under-

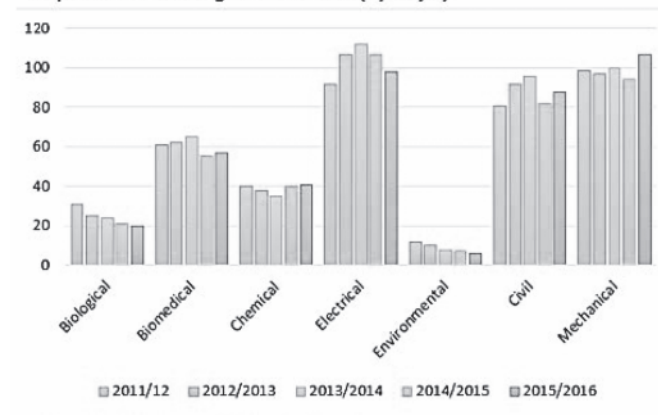
graduate Biological Engineering program ceased accepting students in the 2013-14 academic year and was officially terminated in the 2015-16 academic year. Various disciplines comprising the Biological Engineering program have since been incorporated into other programs, including Environmental, Chemical and Mechanical Engineering.

**Graph A: Undergraduate Program Enrollment (By Major)**



Source: University of Saskatchewan Data Warehouse

**Graph B: Graduate Program Enrollment (By Major)**



Source: University of Saskatchewan Data Warehouse  
Filter: By Academic Year, Reporting Level, Major Level

Demand for our graduate programs remains consistent. As seen in Graph B, the Civil, Electrical, and Mechanical Engineering graduate programs are the most heavily subscribed. Since 2011, the greatest growth was observed in the Mechanical Engineering programs.

During the 2015-16 academic year, the University Council approved the creation of the Certificate in Professional Communication program. This program is offered by the School of Professional Development within the College of Engineering and can be completed as a standalone program or in tandem with a degree-level program. Registration in the program is open to prospective students, existing students, and working professionals.

## Academic Options

In addition to certificate and degree-level programs, the College of Engineering offers a variety of academic options which allow undergraduate students to specialize in an area of study geared toward providing a more specific industry-relevant knowledge base.

Three new mining-related options, developed in partnership with the International Minerals Innovation Institute (IMII), were officially launched over the past academic year: a Mining Option in both Geological and Mechanical Engineering, and a Mineral Processing Option in Chemical Engineering. Undergraduate students in the Chemical Engineering program can also elect to complete Biochemical or Petroleum Options. In addition, all undergraduate students in the College of Engineering can strengthen their business and entrepreneurial skills by completing the Engineering Entrepreneurship Option. Registration in these options remains strong and serves to differentiate our alumni from those of other institutions.

The College of Engineering offers two unique opportunities for undergraduate students to gain industrial experience. The Engineering Professional Internship Program (EPIP) provides eligible students with between eight and sixteen months of professionally supervised engineering work experience. Enrolment in the program increased for a third year in a row. Similarly, the Indigenous Peoples Industry Partnership (IPIP) provides Indigenous students with summer employment opportunities during their academic studies.

## Faculty Relations

Faculty recruitment was a priority over the past academic year. The college welcomed Dr. Emanuele Sacchi into the Department of Civil, Geological, and Environmental Engineering. Dr. Emily McWalter was also welcomed into the Department

of Mechanical Engineering. Both faculty have already actively contributed to our college's teaching and learning mission.

**TABLE D: Faculty FTE Count**

Employee Category	Fiscal Year				
	11/12	12/13	13/14	14/15	15/16
Faculty	85	84	83	84	87

The college is also pleased to announce other appointments. Dr. Tony Chung, whose research focuses on power systems engineering, was appointed in partnership with SaskPower as an Industrial Research Chair in February 2016. In addition, Dr. Ha Nguyen was appointed as the CISCO Systems Research Chair in Mining Solutions in July 2016. Finally, Dr. Ajay Dalai's appointment as a Canada Research Chair (Tier I) was renewed. His research focuses on bio-energy and environmentally friendly chemical processing.

## Research Productivity

In addition to academic programming, academic and industrial research remains a priority for the College of Engineering. As seen in Table E, a total of 114 research awards were granted whose combined value was in excess of 10 million dollars during the 2015-16 academic year.

**TABLE E: Research Awards and Funding**

Funding Source	11/12	12/13	13/14	14/15	15/16					
Tri-Agency	50	\$4,703	58	\$3,975	41	\$2,177	42	\$3,059	41	\$5,012
Public	39	\$8,698	11	\$1,291	14	\$1,756	12	\$1,804	11	936
Industry	36	\$2,398	37	\$1,964	33	\$3,733	35	\$2,747	39	\$3,228
Institutional	13	146	13	191	28	\$1,162	21	934	23	\$1,137
TOTAL	138	\$15,945	119	\$7,421	116	\$8,828	110	\$8,544	114	\$10,313

## Other College Developments

The Library Transformation Project, supported by APEGS, was completed over the past year. The library re-design included a substantially expanded collaborative study space for students that has been well received by students and has provided a venue for activities such as the facilitated study sessions. Significant progress has also been made on a building master plan for a new / renovated Engineering Building.

In support of its many initiatives, the college is working to strengthen its relationships with external stakeholders, including alumni groups in western Canada, indigenous communities, and other post-secondary institutions.

**Future Initiatives**

As the college’s strategic planning cycle comes to a close, the College of Engineering has accomplished much and is well-positioned for continued success.

The college is committed to offering a suite of fully accredited and high quality undergraduate and graduate programs, ensuring that our graduates will continue to be well prepared for a range of professional careers. Efforts will continue to be made towards reaching our strategic enrolment management goals, including the attainment of our diversity targets for both the undergraduate and graduate programs. Enhanced student mobility between post-secondary institutions through the use of targeted articulation agreements will provide alternative pathways for students and help in building a robust and diverse student population.

Research will remain a priority focus area for the college. Strategies will be developed that foster research productivity and enhance performance in terms of research outcomes. The college will identify ways to better engage with industry for research purposes. Finally, improving upon the graduate student experience remains a priority within the College of Engineering.

In keeping with the university’s strategic direction, indigenization will remain an important priority for the college. The college has a dedicated Indigenous Peoples Initiatives Coordinator who is responsible for overseeing and coordinating various programs and activities, including the Indigenous Peoples Industry Partnership Program (IPIP). Furthermore, a recently formed partnership with Northlands College is expected to improve access to STEM-education for northern and Indigenous peoples in the province.

Respectfully submitted,

Donald Bergstrom, Ph.D., P.Eng.  
Interim Dean and Professor  
College of Engineering  
University of Saskatchewan

The Department of Geological Sciences offers three undergraduate B.Sc. degree programs (geology, geophysics and 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 231, with a smaller number of students in the environmental earth science program.

ENROLMENT		GEOLOGY	GEOPHYSICS
Year 1*		8	2
Year 2	M	23	2
	F	4	1
Year 3	M	44	6
	F	12	0
Year 4 – Final year	M	60	3
	F	28	0
Bachelors graduated last year	M	14	3
	F	9	0
Number of honours	M	9	0
	F	3	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 now sits at 55 students. Visiting scientists from Canada, the United States, Argentina and the United Kingdom, as well as two post-doctoral fellows, have spent time in the Department working on research projects with faculty.

Discipline area	In Progress				Completed			
	M.Sc.		Ph.D.		M.Sc.		Ph.D.	
	M	F	M	F	M	F	M	F
Geology/Earth Science	21	8	10	8	2	6	1	4
Geophysics	5	1	2	0	1	0	0	0
<b>TOTAL Canadian Students</b>	<b>14</b>	<b>8</b>	<b>6</b>	<b>4</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>3</b>
<b>TOTAL Visa students</b>	<b>12</b>	<b>1</b>	<b>6</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>

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 (Natural Sciences and Engineering Research Council (NSERC) discovery, collaborative research and International Polar Year Grants, Canada Foundation for Innovation, National Science Foundation, Canadian Foundation for Climate and Atmospheric Sciences, European Science Foundation, Social Sciences and Humanities Research Council (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 have served on APEGS committees this year: Dr. Kevin Ansdell, PGeo. is a special advisor with the Academic Review Committee and one of the Saskatchewan representatives to the Canadian Geoscience Standards Board. Dr. Jim Merriam, PGeo. served on the Student Development Committee along with student representative Logan Fischer.

Respectfully submitted,

Dr. Sam Butler  
Professor and Head

### 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 are currently filling two laboratory instructor positions.

### Following are the key highlights of 2016.

### Enrolment

Undergraduate enrolment based on the fall semester has stabilized with 1,324 students compared to 1,385 last fall. The following table presents undergraduate enrolment numbers from fall 2016:

The Faculty has introduced a dynamic enrolment management scheme to optimize the admission process. The Faculty had its highest number of graduates in 2016 with 171 students.

Graduate enrolment has increased slightly from 247 to 283. The following table presents graduate enrolment numbers from fall 2016:

Major	Undergraduate Students by Major & Gender (Fall 2016)			
	Total by Major			Degree Awarded (Spring & Fall 2015)
	Total	Female	Female (%)	
Electronic Systems Eng.	144	14	10	16
Environmental Systems Eng.	211	84	40	38
Industrial Systems Eng.	338	49	14	33
Petroleum Systems Eng.	311	47	15	71
Software Systems Eng.	126	19	15	12
First Year & Undeclared	179	23	13	-
Exchange Students	15	6	40	-
<b>GRAND TOTAL</b>	<b>1,324</b>	<b>242</b>	<b>18</b>	<b>170</b>

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

Major	Graduate Students by Major & Gender (Fall 2016)			
	Total by Major			Degree Awarded (Spring & Fall 2015)
	Total	Female	Female (%)	
Electronic Systems Eng.	45	9	20	15
Environmental Systems Eng.	59	25	42	21
Industrial Systems Eng.	58	6	10	16
Petroleum Systems Eng.	59	16	27	28
Software Systems Eng.	18	3	17	7
General Engineering (Ph.D.)	2	0	0	1
Process Systems Eng.	42	12	29	6
<b>GRAND TOTAL</b>	<b>283</b>	<b>71</b>	<b>25</b>	<b>94</b>

### Funding

Undergraduate students doubled their contribution to the Engineering Equipment Fund in four of our programs, while quadrupling in Petroleum Systems Engineering. The university also provided \$200,000 to fund new teaching equipment and renovate our second computer teaching room to increase the capacity to 54 seats with all new computers.

### Research

New research awards totalled over \$2.509 million, including \$469,000 from various Natural Sciences and Engineering Research Council (NSERC) programs.

### Recognition and Achievements

Noteworthy recognitions since the last report include:

The Universities of Regina and Saskatchewan were funded by the Sylvia Fedoruk Canadian Centre for Nuclear Innovation in the amount of \$1,091,925 for a project entitled "Developing a Capacity to Understand Practical and Regulatory Issues of Advanced Technology". Engineering team members include: Irfan Al-Anbagi, P.Eng., Esam Hussein, P.Eng., Gordon Huang, P.Eng., Babak Mehran, Dena McMartin, P.Eng., FEC, Satish Sharma, P.Eng. and Doug Wagner, P.Eng.

Gordon Huang was awarded an NSERC strategic project grant worth \$579,000 including industrial partner contributions. The project is entitled, "Management of

clean-energy transition and associated risks through a multi-dimensional optimization approach, 2015 to 2018."

Undergraduate students Brad Lulik, Eva Rennie and Brent Yeske won the international ASHRAE Applied Engineering Design Challenge for their capstone project. They competed against top schools throughout the world including UBC, University of Toronto and MIT Engineering.

The U of R team of Sam Dietrich, Joshua Friedrich and Caleb Friedrich won the 2016 agBOT Challenge held at Gerrish Farms near Rockville, Indiana and in the process provided a glimpse into the future of precision agriculture. The team was awarded a first place prize of \$50,000 (US).

Ryan Schmidt, Tanner Thomsen and MarleeWasnik received the 2016 Minerva Canada James Ham Safe Design Award for their design of a portable fall protection system for flatbed trailers.

David deMontigny was awarded the APEGS Environmental Excellence Award and Ben Freitag, EYES coordinator, received the Friend of the Professions Award at the APEGS annual Awards Banquet.

Paitoon Tontiwachwuthikul was inducted as a Fellow in the Canadian Academy of Engineering.

Respectfully submitted,

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

The Department of Geology at the University of Regina had another productive and eventful year. Following the addition of our new lab instructor, Mr. Geoff Reith, in 2015, the Department comprised nine faculty members, three lab instructors and two support staff. The Department welcomed Dr. Kathryn Bethune as the new head on July 1, 2016 as Dr. Guoxiang Chi successfully completed his three-year term. We also welcomed a new, highly resourceful administrative assistant, Ms. May Ngakham, who stepped into this role for a temporary period, replacing the equally resourceful Ms. Van Tran.

The Department continued to offer its suite of professionally accredited undergraduate degree programs, including the B.Sc. in geology, B.Sc. Honours in geology, B.Sc. in environmental geosciences, B.Sc. Honours in environmental geosciences, and B.Sc. with Co-op designation, along with its graduate (M.Sc. and Ph.D.) degree programs. One hundred and fifty-two undergraduate students were enrolled as major and honours students in our geology and environmental geoscience degree programs. Twenty-three M.Sc. and eight Ph.D. students were supervised in graduate programs, with four Ph.D. and six M.Sc. students successfully completing their degrees. The Department's research activities were enriched by the activities of 10 international (visiting) students and professors.

Several of our professors received special recognition. In the spring, Dr. Janis Dale, P.Geo. was awarded the Fellow of Geoscientists Canada designation for her exceptional contributions to the geoscience profession in Canada. In the summer, Dr. Stephen Bend, P.Geo.'s sustained record of teaching and mentoring students was honoured by the American Association of Petroleum Geologists (AAPG) Foundation's Professorial Award for excellence in the teaching of natural resources in the earth sciences. In addition, Dr. Hairuo Qing was invited to serve as co-editor-in-chief of the *Bulletin of Canadian Petroleum Geology*.

Our professors' research was funded through a variety of sources, including discovery and collaborative research and development grants from the Natural Sciences and Engineering Research Council (NSERC), Geological Survey of Canada Geo-mapping for Energy and Minerals (GEM) grant programs, the Saskatchewan Geological Survey (Ministry of Economy), the Petroleum Technology Research Centre (PTRC), as well as the private sectors, including petroleum and mining companies. Dr. Kathryn Bethune was successful in securing an NSERC discovery grant in April 2016. Collectively, our varied research programs engaged 31 graduate students and 24 visiting students and professors, the latter mainly from China.

The academic life of the department was once again greatly enriched by our weekly seminar series, serving as a forum for graduate student talks and hosting five visiting speakers, including lecture tour talks sponsored by the American Association of Petroleum Geologists and the Geological Association of Canada.

It was another highly active year, both academically and socially, for our undergraduate student body. Our D.M. Kent Club provided funding to over 50 students to attend three conferences: the Western Inter-University Geoscience Conference (WIUGC) in January (Winnipeg), the Cordilleran Round-Up in February (Vancouver) and the Prospectors and Developers of Canada (PDAC) Annual Convention in March (Toronto). In the fall semester, they also organized and ran their first-ever Student – Industry Geoscience Roundtable, a highly successful interactive workshop attended by 15 industry professionals and 45 students. The club also organized a wide variety of other social events. This year the club opened its membership to include not just current geology students, but alumni and environmental science students, resulting in an increase in numbers and overall growth.

A number of our undergraduate and graduate students were recognized with awards in 2016. Mr. Jordan Deane was awarded the APEGS Gold Medal for top undergraduate geoscience student and is now pursuing an M.Sc. degree with Dr. K. Bethune. Mr. Ryan Bachynski won an undergraduate student poster award at the WIUGS Conference and another at the PDAC-SEG Student Minerals Colloquium, part of the annual PDAC Convention in Toronto. Graduate student Dillon Johnstone secured second place in the Saskatchewan Geological Society poster competition at the annual Saskatchewan Geological Survey Open House in Saskatoon. Congratulations are also extended to our current undergraduate student, Anastasia Comtois-Poisant, for being selected to attend the annual PDAC-sponsored Student Industry Mining Exploration Workshop (SIMEW) at Laurentian University in the spring of 2017.

All in all, 2016 was a very successful and fulfilling year and we look forward to 2017!

Respectfully submitted,

Dr. Kathryn M. Bethune  
Professor and Head

## Saskatoon Engineering Students' Society

2016 was a good year for the Saskatoon Engineering Students' Society and our students representing the College of Engineering at competitions and conferences. Thanks to the generous grants and sponsorship provided by APEGS, our student society was able to send delegates to competitions and professional development conferences and to host events of our own to the benefit of all of our students. There has been preliminary work done in looking into the SESS's own Honour Pin ceremony, students were consulted in the process of the design of a new Engineering Building, and the SESS has been working to support the discipline societies and student interest groups towards their goals and projects.

The year began with the Canadian Federation of Engineering Students' (CFES) National Congress in Calgary, where student leaders had the opportunity to improve their leadership skills and styles, and to network and trade information with student leaders from across the country as well as decide the incoming executive for the CFES. The following weeks held the Western Engineering Students' Societies Team's (WESST) Western Engineering Competition in Kelowna where, thanks to funding for travel support from APEGS, SESS delegates placed first in the impromptu debate, re-engineering and innovative design categories. These delegates moved on to the Canadian Engineering Competition hosted by McGill University in Montreal, where they received rankings of third nationwide for extemporaneous debate and innovative design. Delegates were also sent to the CFES Presidents' Meeting in St. John's, to the WESST Annual General Meeting and Retreat in Winnipeg, and to the CFES Conference on Diversity in Engineering hosted by McGill in Montreal. More locally, the Saskatoon Engineering Competition took place in November, with many teams turning out for the chance to move on to 2017's larger scale competitions. All those who had the opportunity to attend these events were able to do so thanks to the generous contributions of APEGS, which are highly appreciated.

Once again we wish to thank you for all of the support that APEGS provides for the SESS and its affiliated groups to allow us to be able to operate to provide benefit for as many students as possible. The work done within the Student Development Committee this year has resulted in new SESS guidelines for the promotion of APEGS to our student groups through our events, which will hopefully lead to increased support for APEGS as an organization. We look forward to continued collaboration and wish APEGS a prosperous 2017 year.

If you have any questions about any of the events mentioned in this report, please feel free to contact Mitch Cassidy at [president@sess.usask.ca](mailto:president@sess.usask.ca) or myself, Noah Hladun, VP External Affairs of the SESS.

Respectfully submitted,  
Noah Hladun, VP External Affairs

## Regina Engineering Students' Society

Over the course of 2016 the Regina Engineering Students' Society (RESS) achieved many things. The mission statement of the RESS is to promote professional development, good fellowship and engineering spirit among its members. A variety of strategies were used to carry out this mission, such as sending students to conferences as well as hosting events for students to mingle with their peers and industry.

The fees RESS collects from its members are not enough to support the active faculty of approximately 1380 students. Although various groups sponsor the RESS in a variety of ways, none compare to the level of involvement of APEGS. All sponsorships were distributed to students in need of funding in order to get involved in the engineering community. This improved experiences for many RESS members and students.

In January of 2016 the RESS sent 30 delegates to the Western Engineering Competition. They competed in seven different categories, including debate as well as junior design. This large representation of the student body was made possible by APEGS. In May of 2016 the RESS sent four members of council to the WESST Executives Meeting in Burnaby, BC. Attendance at this meeting is very important as it gives new council members a chance to see how other universities meet the demands of students as well as be a part of a society that encompasses all of Western Canada. The students who attended were able to participate in sessions where they learned about new ways to run the RESS. Other conferences attended by RESS members include CFES Congress, CFES Presidents' Meeting, WESST AGM and the Conference on Diversity in Engineering.

One of the bigger events that the RESS hosts is known as the Year 1-4 Reception. This event is meant to give students an opportunity to network with representatives from industry. APEGS is traditionally the patron sponsor with a high level of visibility. Without the support of APEGS this year, the RESS would have struggled getting industry participation due to the poor economy. The RESS looks forward to evolving the Year 1-4 Reception to further meet the needs of students in the future. Another key event that the RESS organizes is the Honor Pin Ceremony. This event is meant to remind students of the importance of ethical behaviour as they go through life. As one of the few universities with a ceremony like this, APEGS and the RESS stand out as leaders of change in the engineering community.

A large portion of the sponsorship that APEGS supplies to the Faculty of Engineering in Regina goes to the engineering student groups. These groups include Cougar Motorsports, Engineers Without Borders Regina Chapter, IEEE Regina Chapter and Great Northern Concrete Toboggan Race. With the help of APEGS, Cougar Motorsports was able to travel down to California to compete in a rigorous competition

put on by SAE. Out of 100 teams they were able to hold on to 52/100 due to an axle breaking. This hands-on experience was the highlight of many engineering students' university career. All funds supplied by APEGS were greatly appreciated by all student groups. Another highlight of 2016 for the U of R was the AgBot Challenge in the USA. A group of fourth year engineers won first place, taking home the first-place prize of \$50,000 and international recognition. The Regina Engineering Students' Society is able to provide better services to students thanks to help from APEGS.

Respectfully submitted,

Mackenzie Mueller  
VP Professional

2016 was a year of growth and new experiences for the D.M. Kent Club of Geology at the University of Regina. As the Department of Geology continues to draw steady numbers, so too does the D.M. Kent Club. We have been able to provide new and rare opportunities for our members, with a great deal of help from the APEGS Student Development Committee and the funding they have provided.

This year we added one major conference to the slate, with AME RoundUp joining PDAC and WIUGC as our major conferences. Thirty-two students attended the Western Inter-University Geoscience Conference (WIUGC) in Saskatoon. These students were able to attend multiple talks from industry leaders and participate in field trips including visiting a potash mine and touring the Canadian Light Source synchrotron. Four undergraduate students presented research, with Ryan Bachynski and Sienna Johnson taking home the top prizes for Best Undergraduate Poster and Talk respectively. The Association for Mineral Exploration Mineral RoundUp in Vancouver provided 10 students with the chance to explore the mineral exploration industry and attend a student short course focusing on helping them with the transition. One undergraduate presented at RoundUp and received a great response. Our last major conference was the Prospectors and Developers Association of Canada (PDAC) Conference in Toronto that saw 14 members of the D.M. Kent Club in attendance. This international conference attracts geologists, engineers, financiers, and hard rock exploration and mining companies, and provides an important networking opportunity for our students. In 2016, one student presented and won Best Undergraduate Poster, showing off the academic chops of the University of Regina and the D.M. Kent Club. The networking opportunities provided also led to multiple summer jobs as well as a master's project in 2017 for one of our members.

In fall 2016, the club started with various smaller fundraising events to get students involved with and excited about the club. This commenced with the annual Meet and Greet, where we provide students a chance to learn about the club and join, as well as interact with professors, industry members and alumni in a less formal setting. Registration numbers increased in 2016, with more than 120 student, alumni and faculty members joining the club. Other fundraising events included Lazrequest, a steak night, a Halloween bowling party, and our annual Christmas party. This Christmas party also served as a farewell to some of our graduating students.

In October 2016, the D.M. Kent Club hosted its first annual Student Industry Geoscience Roundtable (SIGR). This event brought 16 industry members from Saskatchewan companies (Cameco, J.D. Mollard), government (Saskatchewan Geological Survey), industry societies (Saskatchewan Mining Association) and regulatory bodies (APEGS) to bring students and recent grads info on potential career paths for them. This full-day speed dating type event left attendees with info on ca-



reers from hard rock mining to hydrology, and tips and tricks for transitioning to industry, finding summer jobs and forging a career as a geoscientist. This event was a massive success with students, faculty and industry participants, and will hopefully become a staple of the D.M. Kent Club for years to come.

In late November, students travelled to Saskatoon for the Saskatchewan Geological Survey's annual Open House, where they heard about the future for geological work in Saskatchewan. Three graduate D.M. Kent Club members presented their theses, with one of them finishing as runner-up in the poster competition.

The funding we receive from APEGS through the Student Development Committee plays a vital role in allowing the D.M. Kent Club to turn our plans into reality. Our successes over the past year are not just due to the financial aid, but the emphasis APEGS places on developing well-educated young geoscientists, and the support given to students truly wanting to pursue a career. Yearly sponsorship has allowed the club to grow, thrive and branch out, exploring new academic opportunities and taking risks we may not have in the past. On behalf of the faculty, students and alumni who make up the D.M. Kent Club of Geology, I would like to thank APEGS and the Student Development Committee for their past, present and future support.

Respectfully submitted,

John Kelley  
President

The mission of the Regina Engineering Society (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 cooperation with APEGS:

- To develop and maintain high standards in the engineering profession.
- To facilitate learning and exchanging professional knowledge among members.
- To advance the professional, social, and economic welfare of members.
- To enhance the usefulness of the profession to the public.
- To collaborate with universities and other institutions in the advancement of engineering education.
- To promote good relations between engineers and members of allied professions.
- 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 10, 2016. The 2016-2017 RES executive is: President Mitchell Pockett, P.Eng., Vice-President Waqar Khan, P.Eng., Past President Brett Kelln, P.Eng., Treasurer Andy Lang, P.Eng., Secretary Robert Schultz, 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 & Douglas Wagner, P.Eng., RESS McKenzie Mueller, APEGS Liaison Tim Stobbs, 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 2016 where the past volunteers returned in order to get started on a year of change for the RES. A few new faces were also present, helping to fill the few vacancies that existed before the 2016 summer break.

### **Awards/Scholarships**

The RES recognized three deserving professionals for their commitment and service to the engineering community. The 2015-2016 Engineering Excellence Award was presented to Ken From, P.Eng., FEC. The Volunteer Service Award recipient was Brian Torgunrud, P.Eng. and the Engineer-in-Training Award was given to Achint Ras-

togi, Engineer-in-Training. 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 to choose the winning project. The RES was chosen to attend Fourth Year Project Day and evaluate projects based on a set of criteria created by Lockheed Martin. 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 2016-2017 as the response from everyone involved was extremely positive.

The RES awarded scholarships to five students. Each of the scholarships is valued at \$500. The five scholarships were given to engineering students at the University of Regina, one for each discipline of study.

## **RES Events**

The annual Engineering Horizons Dinner was held on May 16 at the Connexus Arts Centre.

This event featured guest speaker David Stearns, executive director of major projects for the Regina Bypass Project, who gave a very informative presentation about the philosophy and design process that occurred and is still occurring around the bypass, as well as the direction it was going. David had an abundance of information and told us that if he wasn't given a time limit he could have spoken for the entire evening.

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, featuring a film on humpback whales for the matinee screening.

The RES Annual Golf Tournament and AGM was held on June 10, 2016 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.

The annual Beer and Billiards Night was held on October 19 at the Broken Rack to a reasonable-sized crowd of students and industry professionals alike. All attendees enjoyed billiards, a number of complimentary appetizers and a beer on the RES.

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

The RES is continuing to provide support to a number of other events throughout the community including the chess association, Engineers Without Borders, Women's History Month and the IEEE Annual General Meeting.

As well as financial support, the RES took 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, information regarding the RES scholarships and RES merchandise. RES executive members volunteered as industry evaluators for the students' projects.

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

Respectfully submitted,

Mitchell Pockett, P.Eng.  
President, Regina Engineering Society

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

## **2015/2016 Executive Committee**

President - Doug Drever, P.Eng.

Vice-President - Rebecca Steffenson

Past President - Jeremy Nelson P.Eng.

Treasurer - Ziggy Kowal, P.Eng.

Secretary - Ross Welford, P.Eng.

Director – Sajith Mallikarachchi, P.Eng.

Director - Michael Loo

Director - Vincent Lahaye

Director - Jonathan Bushman, P.Eng.

Director - Ashok Thakkar, P.Eng.

Director - Luanne Sirota, Engineering Licensee

## **Appointed Representatives**

APEGS Liaison Councillor - Holly Annand, P.Eng.

College of Engineering - Aryan Saadat-Mehr

Student Representative - Leslie Squire

## **Important events from September 2015-August 2016**

### **Strategic Planning**

The strategic plan was implemented in 2015-16. Several committees put their work plan into place and drafted policies and procedures. We are proud of what we accomplished. We are looking forward to moving this forward for our organization. Thanks again to all who provided input.

### **SES Mixers and Technical Nooners**

These were held throughout the year as we reduced the number of mixers so that we could concentrate on providing excellent presentations for our members. Our largest event was the Christmas Mixer at Boffins in December. Thanks to Jonathon Bushman and Edwin Edquist, P.Eng. for organizing the mixers and most of the nooners.

### **Student Paper and Design Competition**

The 2016 Engineering Innovative Design and Student Paper Competitions were held at Marquis Hall at the University of Saskatchewan. This event is jointly organized by the Saskatoon Engineering Society and College of Engineering, the Office of the Vice-President Research, University of Saskatchewan and APEGS.

### **National Engineering Week**

As a part of National Engineering Week, the Saskatoon Engineering Society was proud to host our annual 2016 ICE Event (Industry Celebrating Excellence) at the Saskatoon Club. A special thanks to Jonathan Bushman for leading the organization of this event and organizing industry tours during National Engineering Week.

### **Website**

The SES website has been regularly updated to help promote upcoming events. Thanks to Ross Welford, P.Eng. who kept our membership up to date.

### **Professional Development Funding**

This initiative, which is a way to help individual members in their professional development, continued this year. 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 -2016 Awards**

SES Educator of the Year – J.D. Johnston, P.Eng.

SES Engineer of the Year – Don Poon, P.Eng.

### **Members and Executive**

The activity that the SES had this year would not be possible without the members who provided input and attended our events. Thanks go to the APEGS staff who 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

Saskatoon Engineering Society

## Moose Jaw Engineering Society

The Moose Jaw Engineering Society held several events in 2016.

We held our 2015 AGM on May 11, 2016, with 13 members in attendance. I was elected President as John Conway, P.Eng., had stepped down. We would like to thank John for his assistance over the last several years. The 2016 AGM was held on November 24 and had 14 members in attendance.

For accomplishments, we were able to recruit not only one but two members from Saskatchewan Polytechnic to represent the faculty staff and who have access to the students for awards and presentations.

We held a professional development session on June 15, 2016 on Continuing Professional Development with 20 members in attendance. The presentation focused on changes to the Continuing Professional Development program and what qualifies as credits, the annual requirements and limitations as well as the reporting process for members.

The 16th Annual Moose Jaw Engineering Society Golf Tournament took place on September 10, 2016 at the Hillcrest Golf Club. We had great fall weather with the sun shining and 19 golfers participating in a Texas scramble followed by a supper and a social at the Crushed Can Sports Bar and Nightclub.

I had attended the MLA Reception on November 23, 2016 in Regina on behalf of the Moose Jaw Engineering Society.

The finances of the society are strong with a surplus of approximately \$14,000 which will allow us to do more activities in 2017.

On behalf of the Moose Jaw Engineering Society, I would like to thank the presenters and hosts as well as those who planned the events. I would like to personally acknowledge and thank the entire executive for their work and dedication to delivering the Society's objectives, as without them there would not be any education or activities in the Moose Jaw region. Treasurer – Jody Scammell, P.Eng., Secretary – Ashley Gusikoski, P.Eng., Professional Development – Rory Windrum, P.Eng., Social Events Coordinator – Daryl Bunnell, P.Eng., Saskatchewan Polytechnic Liaison – Shaun Nanan and Ahmed Hosni, P.Eng.

Finally, I would like to thank our respective employers for allowing the executive members the time needed to plan and coordinate these activities: SaskWater, Water Security Agency, Saskatchewan Polytechnic and Buffalo Pound Water.

We look forward to seeing everyone during an eventful 2017.

Respectfully submitted,

Ryan Johnson, P.Eng.  
President

## Saskatchewan Geological Society (Regina)

It has been another eventful and productive year for the Saskatchewan Geological Society (SGS), a brief overview of which is provided here. SGS functions in 2016 were facilitated by a hard-working Executive team, which consisted of Monica Cliveti (Vice-President), Michelle Hanson (Treasurer), Omid Mahmoodi (Secretary), Maria Velez (Business Manager), Jason Cosford (Program Chair), Mike Thomas (Program Co-Chair) and Ralf Maxeiner (Past President), in addition to myself. Omid Mahmoodi took over as Secretary for Bernadette Knox early in the year upon her departure from Regina for an employment opportunity and his willingness to take on this role on short notice is very much appreciated.

The kickoff to SGS activities for 2016 took place with the Annual General Meeting, held in early February. David MacDougall once again did an outstanding job organizing the event and the fruits of his labour were evident with a turnout of over 85 people. The evening was highlighted by presentation of student awards, the introduction of Dr. Tom Sibbald into the Society Geoscience Honour Roll and the presentation of the Canadian Society of Petroleum Geologists RJW Douglas Medal to Dr. Don Kent. The evening was capped off by an entertaining address by outgoing President, Ralf Maxeiner and the annual business meeting.

Thanks to the efforts of program coordinators Jason Cosford and Mike Thomas, the SGS was able to offer a full slate of lunch lectures in 2016. Fifteen lunch talks were offered in 2016 covering a wide range of topics including uranium exploration, groundwater studies, porphyry deposits, cognitive bias and petroleum exploration, among many others. Some of these lectures were held at the university in an effort to make it more accessible for our university-based members. Due to a focus on local speakers and the use of the Artful Dodger as the main venue, the lecture program was able to come in well under budget. Income from lunch talks was also lower than expected, however, likely due to lower than anticipated attendance. Society members are encouraged to commit to supporting this important Society initiative heading into 2017.

Under the direction of Maria Velez with assistance from Monica Cliveti, the SGS organized several social events again this year. The annual curling bonspiel took place on March 19 at the Tartan Curling Club, with 11 teams participating. The bonspiel was co-hosted by the D.M. Kent geology student club and the curling draw was organized by Lynn Kelley. The annual golf tournament took place on September 9, with nine teams participating in a 9-hole round at Sherwood Forest. As in recent years, the tournament was followed by a barbecue at the MacDougall residence, with over 50 people attending. Both the golf and the barbecue were a big success and the SGS would like to extend its gratitude to Dave and Alice MacDougall for again hosting the BBQ. Also, for the first time, a Society Christmas party was organized. Over

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20 Society members and their spouses gathered for an enjoyable evening at the Artful Dodger on December 9.

Several SGS committees were instrumental in 2016 in helping to fulfill the Society's mandate. The annual SGS field trip visited Jasper National Park, Alberta and was led by Dr. Ben Rostron from the University of Alberta. The trip took place in late August and thirteen people took part. It was an informative and enjoyable event by all accounts and participants visited a number of impressive exposures of Paleozoic sedimentary rocks, as well as outcrops of Precambrian and Mesozoic rocks. A big thank you goes out to John Lake and the rest of the field trip committee for organizing yet another field Saskatchewan Geological Society (Regina) trip and to Ben Rostron for leading the trip.

The Open House committee, chaired by Jason Berenyi, worked hard to organize the 46th annual Open House, which took place in Saskatoon from Nov. 28-30, 2016. This conference, co-hosted by the Society, is Saskatchewan's premier event for minerals-related geoscience and continues to be a very successful meeting. The 2016 Open House attracted over 750 delegates and over 60 exhibitors.

The SGS Education and Outreach committee, chaired by Kate MacLachlan, was very active again this year and continue to do tremendous work bringing the geosciences to the public. This was highlighted by the public and school lectures, which were organized in coordination with the SGS Program Chair, Jason Cosford. The Regina public and school lectures were presented in April by Dr. William McKinnon of the NASA New Horizons Mission team. The lectures were a huge success, with Dr. McKinnon presenting to over 1500 grade 6 to 9 students over two days. The Saskatoon public lecture, entitled "Rethinking Cretaceous Climate", took place at the end of November at the Geological Open House and was delivered to about 100 people by Dr. William Hay, Professor Emeritus at Colorado State University.

Funding for the 2017 Regina school lectures, as well as for an initiative to update Geoscape lesson plans, received a boost due to receipt of a \$3,900 grant from the Canadian Geological Foundation. Continuing with public geoscience outreach, the SGS calendar committee, chaired by Ralf Maxeiner, delivered the second annual (2017) Geology Wall Calendar this year. As was the first edition, the 2017 calendar is a great product, full of beautiful photos and chock full of information on the geology of Saskatchewan. Sales of the 2017 edition have been strong to date and this successful product has again generated revenue for the Society. All signs currently point towards production of a 2018 edition.

The SGS Executive and committees collectively accomplished several other initiatives in 2016, including an SGS clothing order, procurement of new speaker gifts, a revamp of the website and a publication inventory, among others. Notwithstand-

ing the many opportunities offered through the Society this year, the Society's expenditures were well lower than budgeted for 2016 (exclusive of Open House) and well below the 3-year average.

The Society's 2016 income was, however, also lower than anticipated, resulting in a net deficit of about \$7,500 for 2016. This is at least partly an indirect consequence of the current state of the mineral and petroleum industries, such that revenue generated from industry-focussed activities (e.g. sponsorship, core workshops, etc.) is more difficult to come by. This will be an ongoing challenge for the Society for at least the short term and will require that upcoming Executives explore alternative revenue sources and/or practise fiscal prudence to ensure the financial health of the Society going forward.

Finally, I would like to acknowledge our current corporate sponsors, whose support contributes greatly to the activities of the SGS. I would especially like to thank APEGS for their continued financial support of the Society and for the participation of APEGS staff members in several SGS functions.

Respectfully submitted,

Ryan Morelli, President  
Saskatchewan Geological Society

## Association of Consulting Engineering Companies – Saskatchewan (ACEC-SK)

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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.

In 2016 ACEC-SK represents 63 Member Firms that employ almost 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).

This year marked the 40th Anniversary of ACEC-SK and I was excited to celebrate this monumental achievement. Over the past 40 years, our member firms have been instrumental in supporting progress throughout Saskatchewan. In addition to the impressive technical achievements of our member firms, employees of Saskatchewan consulting engineering companies and their families have contributed significantly to the social and cultural fabric of our province. Some of these outstanding contributions were shared using our existing communications tools such as the newsletter, website, and social media outlets.

From a business perspective, we faced the year with cautious optimism. Challenges in the economy created ripple effects across all sectors. We recognized that it was more vital than ever that we focus on showcasing the value provided by ACEC-SK member firms. We continued to educate client groups on the savings achieved in the lifecycle of a project when: proper planning is followed by selecting a qualified design team that is working under a contract that carries an appropriate level of insurable risk. We continued to make inroads on these matters with provincial and municipal government clients, as well as starting the conversation in a meaningful way with new private sector clients. Our advocacy efforts this year continued to support the progress made on contract language and procurement of professional services.

In addition, we emphasized the importance of informed infrastructure renewal. We did this through monitoring details about the various new funding programs available to municipalities. We carried the Vote Infrastructure messaging into the municipal election campaigns by providing tools originally developed by our national body to our members to assist them in sharing the message of informed investment in infrastructure in discussions with prospective candidates. Municipalities are best served when resources are properly allocated to planning, allowing them to choose the right projects and appropriate project delivery models rather than chasing funding by scrambling to find, and accelerate design for, “shovel ready” projects.

We also delivered a number of other initiatives to support the organization’s four

strategic priorities (Advocacy, Profile, Member Engagement and Governance). These included such things as:

- Continuing our support of Priority Saskatchewan’s Best Value procurement model
- Assisting the Ministry of Central Services build Pre-Qualification and Performance Evaluation processes specifically for the consulting engineering and geoscience industry
- Offering a number of professional development opportunities, including Contract Management sessions in both Regina and Saskatoon as well as a Water Utility Regionalization Conference and a Geotechnical Conference on Limited States Design
- Business development opportunities with Forums with SaskPower and SaskEnergy
- Engaging with SaskPower about more balanced contract language, and specific RFPs that were not industry-friendly
- Taking the unprecedented step of not increasing the Recommended Schedule of Fees for a third consecutive year in response to current economic conditions; however, Saskatchewan held the line despite being aware Alberta would be lowering its rates in 2017
- Completing and publishing an Industry Capacity Survey that highlights how economic drivers are impacting the Saskatchewan consulting engineering and geoscience industry, and which makes policy recommendations about consistent, stable infrastructure investment to maintain the health of the industry

I was privileged to lead the 2016 Awards of Distinction where we had one of the largest attendance rates in recent memory. We also greatly increased our sponsorship, an important milestone because this income will allow us to continue delivering valuable member services at a time when member dues income is falling because our firms are faced with staff reductions in this economic climate.

We’ve also broken with tradition, making the choice to separate the Annual General Meeting (AGM) from our golf tournament, and instead offer it in conjunction with a new initiative, an annual conference scheduled to be held in Regina in May. Its theme will continue with our Informed Infrastructure Investment message. This may also be the last year we hold the golf tournament half-way between Regina and Saskatoon. We are considering options in each of the main urban centres to encourage greater participation from members, sponsors and invited guests.

We’ve ramped up our visibility, with articles in the Leader-Post and Star-Phoenix, making extensive use of Twitter, and creating a Speakers Bureau that will contin-

## 2016 Financial Report

ue to raise the profile of our industry with valued stakeholders. 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 Young Professionals Group has been quite active this year, offering networking events and Lunch and Learns, all with a great turnout. I understand industry tours are also in the plans, and I would not be surprised to see a significant Young Professionals stream at the conference in May.

ACEC-SK continues to grow and succeed thanks in part to the commitment of the volunteer Board of Directors: Stormy Holmes, PEng., FEC, Past Chair, Paul Walsh, PEng., Vice Chair, Bryce Hunter, PEng., Secretary-Treasurer, Terry Frank, PEng., Director, Trevor Knoll, PEng., Director, Greg Daum, PEng., Director, Nancy Inglis, PEng., Director, Tyson Smith, PEng., Young Professionals Liaison, Andrew Lockwood, PEng., APEGS Liaison, Shane Baillargeon, Associate Member Liaison, Lawrence Lukey, PEng., ACEC-Canada Liaison.

ACEC-SK efforts on behalf of the industry are coordinated by Beverly MacLeod, Executive Director, Darlene Leamon, Operations Manager, and Linda Nelson, Communications Coordinator. We were saddened at the loss of our long-time Executive Assistant, Elaine Armstrong. The dedication of our office staff and many member firm volunteers contributes greatly to our success, and is much appreciated.

It was an honour to be chosen to lead the 2016-2017 ACEC-SK Board of Directors. I appreciated the opportunity to work with my fellow directors, ACEC-SK member firms, and our industry partners to achieve our common goals.

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

Respectfully submitted,

Jeffrey Halliday, PEng.  
Chair of the Board of Directors  
Association of Consulting Engineering  
Companies – Saskatchewan (ACEC-SK)

This is a summary of the unaudited Consolidated Statement of Revenues and Expenditures of the Association to December 31, 2016. The Auditor's Report will be available at the 87th Annual Meeting in Regina on May 6, 2017.

Total revenues in 2016 declined to \$6,107,395, which was \$184,120 (3.11 per cent) higher than budgeted. Total expenditures in 2016 were \$5,640,409, which was \$296,349 (5.0 per cent) less than budgeted. The 2016 budget proposed a modest deficit of \$13,483; however, we ended the year with a pre-audit projected surplus of \$466,986.

The pre-audit estimate of total members' equity at year-end is \$10,176,398, and consisted of the projected surplus of \$466,986, retained earnings of \$6,049,369, an investigation and discipline training reserve of \$19,685, a working capital reserve of \$2,840,358 and a discipline and enforcement reserve of \$800,000.

The higher than budgeted revenue resulted from higher than forecast renewal rate for members and certificates of authorization, and higher than budgeted interest. Expenditures were lower than budgeted across all boards and committees and operations – Executive Committee (\$38,984); Council & Committees (\$32,670); Governance Board and Committees (\$34,757); Education Board and Committees (\$69,570); Image & Identity Board and Committees (\$3,825) and Operations (\$116,542).

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

Respectfully submitted,

Stormy D.C. Holmes, PEng., FEC  
Vice-President

## Balance Sheet - December 31, 2016 (unaudited)

### ASSETS

#### Current Assets:

Bank Operating Account	\$1,504,548.37
Bank Investigation and Discipline Training	18,544.09
RBC Dominion Securities Acct	2,032,531.51
RBC Investment Savings/Money Market Acct	3,079,508.89
Petty Cash	265.00
Investments	6,591,000.01
Accrued Interest	56,333.02
Accounts Receivable	43,740.03
Prepaid Expenses	<u>102,765.18</u>
Total Current Assets	\$13,429,236.10

#### Fixed Assets

Office Equipment	\$226,972.13
Accumulated depreciation	<u>133,006.29</u>
Net Office Equipment	<u>\$93,965.84</u>
Computer Equipment	\$160,987.56
Accumulated depreciation	<u>83,285.16</u>
Net Computer Equipment	<u>\$77,702.40</u>
Leasehold Improvements	\$1,138,378.79
Accumulated amortization	<u>349,866.11</u>
Net Leasehold Improvements	\$788,512.68
Other Intangible Asset	\$567,140.84
Accumulated amortization	<u>426,576.67</u>
Net Intangible Asset -	
Membership Database	\$140,564.17
Total Fixed Assets and Intangible Asset	<u>1,100,745.09</u>
Total Assets	<u>\$14,529,981.19</u>

### LIABILITIES AND MEMBERS' EQUITY

#### Current Liabilities:

Accounts Payable & Accrued Liabilities	\$189,851.40
Accrued Vacations	270,001.62
Goods & Services Tax Payable	136,419.22
Prepaid Annual Dues	<u>3,757,310.96</u>
Total Current Liabilities	<u>\$4,353,583.20</u>

#### Members' Equity:

Reserves	\$3,640,358.00
Reserves - Investigation and Discipline Training	\$19,685.00
Retained Earnings	<u>6,049,368.67</u>
Surplus/(Deficit) for period	<u>466,986.32</u>
Total Members Equity	<u>\$10,176,397.99</u>
Total Liabilities & Members' Equity	<u>\$14,529,981.19</u>



## Consolidated Statement of Revenues and Expenditures for the Period Ended December 31, 2016 (unaudited)

	UNAUDITED 2016	BUDGET 2016	% OF BUDGET	ACTUAL 2015
<b>Revenues</b>				
Membership Dues	\$4,463,991.30	\$4,347,675.00	102.68	\$4,472,022.06
Licence Dues	23,775.00	42,250.00	56.27	29,962.50
Certificate of Authorization	709,427.64	639,000.00	111.02	692,100.98
Registration Fees	426,050.00	444,000.00	95.96	501,320.00
Late Payment Surcharges	8,047.88	10,000.00	80.48	9,831.00
Advertising (Newsletter and Website)	37,179.72	70,000.00	53.11	56,530.00
Interest	205,161.14	168,000.00	122.12	188,095.25
Penalties & Fines	5,000.00	0.00	0.00	0.00
Miscellaneous	8,726.45	2,000.00	436.32	3,010.56
Other Revenue	7,500.00	0.00	0.00	0.00
Professional Practice Exam & Seminar	154,560.25	137,600.00	112.33	151,052.85
Member Seal Fees	8,485.29	10,000.00	84.85	11,085.16
Professional Development Day	41,028.10	50,000.00	82.06	41,350.00
Association Functions (Womens History & Book)	8,462.22	2,750.00	307.72	8,900.04
<b>Total Revenues</b>	<b>\$6,107,394.99</b>	<b>\$5,923,275.00</b>	<b>103.11</b>	<b>\$6,165,260.40</b>
<b>Expenditures</b>				
<b>Executive Committee</b>				
Executive Committee	\$20,417.60	\$17,175.00	118.88	\$14,754.78
Liaisons	71,289.19	77,475.00	92.02	78,768.85
Government Relations	47,556.68	79,900.00	59.52	81,278.15
UofS/UofR Activities	11,077.59	15,300.00	72.40	11,511.80
Provincial Meetings	41,244.45	41,250.00	99.99	39,111.37
Elections	11,072.99	31,700.00	34.93	28,551.30
Annual Report	92,408.52	86,750.00	106.52	84,441.11
Engineers Canada	177,801.07	178,150.00	99.80	160,070.84
Geoscientists Canada	42,800.72	45,000.00	95.11	43,726.06
2017 CSSE	386.88	0.00	0.00	0.00
30 x 30 Task Group	17,659.90	0.00	0.00	0.00
<b>Total Executive Committee</b>	<b>\$533,715.59</b>	<b>\$572,700.00</b>	<b>93.19</b>	<b>\$542,214.26</b>

## Consolidated Statement of Revenues and Expenditures for the Period Ended December 31, 2016 (unaudited)

	UNAUDITED 2016	BUDGET 2016	% OF BUDGET	ACTUAL 2015
<b>Council &amp; Committees</b>				
Council Meetings	\$153,404.38	\$179,750.00	85.34	\$153,740.57
Investigation Committee	69,067.37	86,550.00	79.80	64,275.79
Discipline Committee	25,492.53	22,800.00	111.81	17,651.77
Enforcement	7,288.14	15,800.00	46.13	6,299.11
Special Events	16,977.89	0.00	0.00	2,543.35
<b>Total Council</b>	<b>\$272,230.31</b>	<b>\$304,900.00</b>	<b>89.29</b>	<b>\$244,510.59</b>
<b>Operations</b>				
Salaries	\$1,822,739.67	\$1,868,000.00	97.58	\$1,732,591.91
Fixed Asset Purchases	7,473.54	2,500.00	298.94	272.09
Depreciation	234,009.54	290,000.00	80.69	240,746.49
Occupancy Costs	596,656.05	606,000.00	98.46	588,727.11
Professional Fees	110,304.87	157,000.00	70.26	54,214.22
Telephone	16,356.26	10,100.00	161.94	14,217.59
Other Operations Costs	438,042.97	408,525.00	107.23	418,149.39
<b>Total Operations</b>	<b>\$3,225,582.90</b>	<b>\$3,342,125.00</b>	<b>96.51</b>	<b>\$3,048,918.80</b>
<b>Governance Board &amp; Committees</b>				
Governance Board	\$1,514.73	\$5,000.00	30.29	\$1,317.57
Legislative Review Committee	10.00	350.00	2.86	18.00
CEAB/CEQB Meetings	7,924.62	12,800.00	61.91	6,656.42
Experience Review Committee	44,737.86	57,100.00	78.35	54,887.70
Academic Review Committee/Interviews	105,973.94	105,100.00	100.83	95,574.79
Prof. Practice Exam Com./Seminar & Exam	168,162.71	183,450.00	91.67	146,891.89
Limited Member Admissions Committee	6,818.71	6,100.00	111.78	4,814.87
<b>Total Governance Board</b>	<b>\$335,142.57</b>	<b>\$369,900.00</b>	<b>90.60</b>	<b>\$310,161.24</b>
<b>Education Board &amp; Committees</b>				
Education Board	\$34,359.10	\$18,600.00	184.73	\$12,534.26
Environment and Environmental Issues Committee	6,492.32	6,300.00	103.05	1,408.13
Professional Development Committee	61,731.69	126,700.00	48.72	80,529.16
Student Development Committee	153,277.66	149,475.00	102.54	102,117.04
K to 12 Committee	33,952.48	39,100.00	86.83	28,150.33
Scholarships and Bursaries	36,792.00	56,000.00	65.70	54,946.00
<b>Total Education Board</b>	<b>\$326,605.25</b>	<b>\$396,175.00</b>	<b>82.44</b>	<b>\$279,684.92</b>

	UNAUDITED 2016	BUDGET 2016	% OF BUDGET	ACTUAL 2015
<b>Image &amp; Identity Board</b>				
Image & Identity Board	\$772.36	\$29,475.00	2.62	\$4,740.28
CPR Committee	453,157.53	385,150.00	117.66	289,861.23
Connection and Involvement Committee	201,660.19	216,350.00	93.21	220,032.73
Awards Committee	40,277.11	41,287.50	97.55	40,814.98
Professional Edge Committee	234,414.31	240,900.00	97.31	188,329.54
Equity and Diversity Committee	12,423.89	33,350.00	37.25	21,546.32
Women's History Task Group	4,426.66	4,445.00	99.59	2,839.87
<b>Total Image &amp; Identity Board</b>	<b>\$947,132.05</b>	<b>\$950,957.50</b>	<b>99.60</b>	<b>\$768,164.95</b>
<b>Total Expenditures</b>	<b>\$5,640,408.67</b>	<b>\$5,936,757.50</b>	<b>95.01</b>	<b>\$5,193,654.76</b>
Surplus (Deficit)	\$466,986.32	(\$13,482.50)		\$971,605.64

## Investments and Cash Funds - Month Ending December, 2016

COMPANY	CERTIFICATE #	PURCHASE DATE	MATURITY DATE	ANNUAL YIELD%	INVESTED VALUE \$	MATURITY VALUE \$
<b>RBC DOMINION SECURITIES INC.</b>						
<b>Canadian Western Trust GIC - Annual</b> (1.760% Annual Yield )	#150901-B0AD25	Sep 1/15	Sept 1/17	1.760%	\$100,000.00	\$100,000.00
<b>Equitable Bank GIC - Annual</b> (1.850% Annual Yield)	#150901-B0ACCO	Sep 1/15	Sept 1/17	1.850%	\$100,000.00	\$100,000.00
<b>Bank of Nova Scotia GIC - Annual</b> (1.450% Annual Yield)	#150902-B0F2FO	Sep 3/15	Sept 3/17	1.450%	\$400,000.00	\$400,000.00
<b>State Bank of India GIC - Annual</b> (1.510% Annual Yield)	#150902-B0F2D8	Sep 3/15	Sept 5/17	1.510%	\$100,000.00	\$100,000.00
<b>BMO Advisors Advan. GIC - Annual</b> (2.650% Annual Yield)	#130927-B066D6	Sept 30/13	Oct 02/17	2.650%	\$800,000.00	\$800,000.00
<b>Nat'l Bank of Canada GIC - Annual</b> (2.650% Annual Yield)	#130927-B06632	Sept 30/13	Oct 02/17	2.650%	\$200,000.00	\$200,000.00
<b>Bank of Nova Scotia GIC - Annual</b> (1.650% Annual Yield)	#150902-B0F320	Sep 3/15	Sept 3/18	1.650%	\$700,000.00	\$700,000.00
<b>BMO Advisors Advan. GIC - Annual</b> (2.950% Annual Yield)	#130926-B07EDE	Sept 27/13	Sept 27/18	2.950%	\$800,000.00	\$800,000.00
<b>Canadian Tire Bank GIC - Annual</b> (2.950% Annual Yield)	#130926-B07EBF	Sept 27/13	Sept 27/18	2.950%	\$100,000.00	\$100,000.00
<b>Natcan Trust Company GIC - Annual</b> (2.900% Annual Yield)	#130927-B06632	Sept 27/13	Sept 27/18	2.900%	\$100,000.00	\$100,000.00
<b>Home Equity Bank GIC - Annual</b> (2.500% Annual Yield)	#140828-B0BFAB	Aug 29/14	Aug 29/19	2.500%	\$100,000.00	\$100,000.00
<b>Laurentian Bank GIC - Annual</b> (2.460% Annual Yield)	#140828-B0C020	Aug 29/14	Aug 29/19	2.460%	\$100,000.00	\$100,000.00
<b>LBC Trust GIC - Annual</b> (2.460% Annual Yield)	#140828-B0BFEF	Aug 29/14	Aug 29/19	2.460%	\$100,000.00	\$100,000.00
<b>Pacific &amp; Western GIC - Annual</b> (1.970% Annual Yield)	#150901-B0ADAE	Sep 1/15	Sept 1/19	1.970%	\$100,000.00	\$100,000.00
<b>Tangerine Bank GIC - Annual</b> (1.800% Annual Yield)	#150902-B0F338	Sep 3/15	Sept 3/19	1.800%	\$100,000.00	\$100,000.00

COMPANY	CERTIFICATE #	PURCHASE DATE	MATURITY DATE	ANNUAL YIELD%	INVESTED VALUE \$	MATURITY VALUE \$
<b>RBC DOMINION SECURITIES INC.</b>						
<b>Bank of Nova Scotia GIC - Annual</b> (1.800% Annual Yield)	#150902-B0F356	Sep 3/15	Sep 3/19	1.800%	\$500,000.00	\$500,000.00
<b>Bank of Nova Scotia GIC - Annual</b> (2.570% Annual Yield)	#141223-B02790	Dec 23/14	Dec 23/19	2.570%	\$700,000.00	\$700,000.00
<b>HSBC Bank Canada GIC - Annual</b> (2.100% Annual Yield)	#150901-B0AE01	Sep 1/15	Sep 1/20	2.100%	\$100,000.00	\$100,000.00
<b>Montreal Trust CDA GIC - Annual</b> (2.050% Annual Yield)	#150902-B0F3C4	Sep 3/15	Sep 3/20	2.050%	\$100,000.00	\$100,000.00
<b>Manulife Bank CDA GIC - Annual</b> (2.050% Annual Yield)	#150902-B0F3B7	Sep 3/15	Sep 3/20	2.050%	\$100,000.00	\$100,000.00
<b>Bank of Nova Scotia GIC - Annual</b> (2.050% Annual Yield)	#150902-B0F3D2	Sep 3/15	Sep 3/20	2.050%	\$1,200,000.00	\$1,200,000.00
<b>Canadian Western Bank GIC - Annual</b> (2.150% Annual Yield)	#150902-B0F37C	Sep 3/15	Sep 3/20	2.150%	\$100,000.00	\$100,000.00
<b>Laurentian Bank GIC - Annual</b> (2.100% Annual Yield)	#150902-B0F389	Sep 3/15	Sep 3/20	2.100%	\$100,000.00	\$100,000.00
<b>Manulife Trust Co. GIC - Annual</b> (2.050% Annual Yield)	#150902-B0F3A2	Sep 3/15	Sept 3/20	2.050%	\$100,000.00	\$100,000.00
<b>Bank of Nova Scotia GIC - Annual</b> (2.260% Annual Yield)	#151217-B09A59	Dec 17/15	Dec 17/20	2.260%	\$400,000.00	\$400,000.00
<b>B2B Trust GIC - Annual</b> (1.860% Annual Yield)	#160830-B06838	Aug 30/16	Aug 30/21	1.860%	\$100,000.00	\$100,000.00
<b>Bank of Nova Scotia GIC Annual</b> (1.7% Annual Yield)	#160830-B069D3	Aug 30/16	Aug 30/21	1.700%	\$100,000.00	\$100,000.00
<b>ICICI Bank GIC - Annual</b> (1.8% Annual Yield)	#160830-B0689A	Aug 30/16	Aug 30/21	1.800%	\$100,000.00	\$100,000.00
<b>Versabank GIC - Annual</b> (1.8% Annual Yield)	#160830-B0694B	Aug 30/16	Aug 30/21	1.800%	\$100,000.00	\$100,000.00
<b>SBI Canada Bank GIC - Annual</b> (1.870% Annual Yield)	#160830-B067E2	Aug 30/16	Aug 30/21	1.870%	\$100,000.00	\$100,000.00

## Investments and Cash Funds - Month Ending December, 2016

COMPANY	CERTIFICATE #	PURCHASE DATE	MATURITY DATE	ANNUAL YIELD%	INVESTED VALUE \$	MATURITY VALUE \$
<b>RBC DOMINION SECURITIES INC.</b>						
Royal Bank of Canada GIC - Annual (1.700% Annual Yield)	#160906-B07EAF	Sept 6/16	Sept 7/21	1.700%	\$100,000.00	\$100,000.00
RBC Mortgage Corp GIC - Annual (1.700% Annual Yield)	#160906-B07F54	Sept 6/16	Sept 7/21	1.700%	\$100,000.00	\$100,000.00
Royal Trust Company GIC - Annual (1.700% Annual Yield)	#160906-B080D4	Sept 6/16	Sept 7/21	1.700%	\$100,000.00	\$100,000.00
Royal Trust Corp GIC - Annual (1.700% Annual Yield)	#160906-B0806E	Sept 6/16	Sept 7/21	1.700%	\$100,000.00	\$100,000.00
Peoples Trust GIC - Annual (1.800% Annual Yield)	#160906-B07DF1	Sept 6/16	Sept 7/21	1.800%	\$100,000.00	\$100,000.00
Home Trust Company GIC - Annual (1.900% Annual Yield)	#160929-B11185	Sept 30/16	Sept 30/21	1.900%	\$100,000.00	\$100,000.00
RBC Investment Savings Account		n/a	n/a	Variable	\$3,079,508.89	
<b>TOTAL INVESTMENTS</b>					<b>\$11,479,508.89</b>	
ROYAL BANK CURRENT ACCOUNT					\$1,504,548.37	
RBC DOMINION ACCOUNT					\$232,384.52	
<b>TOTAL INVESTMENTS &amp; CASH BALANCES</b>					<b>\$13,216,441.78</b>	

## 2015 – 2016 APEGS Council



**Back Row:** Stormy D.C. Holmes, PEng., FEC, Group Councillor, Environmental; Timothy G. Stobbs, PEng., Group Councillor, Chemical, Ceramic and Metallurgical; Brett A. LaRoche, PEng., District Councillor, North District; Andrew R. Lockwood, PEng., FEC, Group Councillor, Mechanical and Industrial; Rob Stables, PEng., District Councillor, South-East; Dwaine Ertner, Public Appointee; Dave D. Kent, PEng., FEC, Group Councillor, Civil; Ben F. Boots, PEng., FEC, District Councillor, South-West; Holly J. Annand, PEng., Group Councillor, Agriculture and Forestry; John D. Unrau, PGeo., Group Councillor, Geological, Mining, Petroleum, Geophysics and Geoscientists; Kristen J. Darr, PGeo., District Councillor Geoscience South.

**Front Row:** Sara Jane Eaton, PGeo., District Councillor Geoscience North; Ian G. Stoman, PEng., Group Councillor, Electrical and Engineering Physics; Tara L. Zymiak, PEng., FEC, President Elect; Ernie M. Barber, PEng., PAg., Vice President; Margaret Anne Hodges, PEng., FEC, President; Andrew H. Loken, PEng., FEC, Past President; Gerry Hertz, Public Appointee; Kaylee S. Puchala, Engineer-in-Training, Group Councillor, Members-in-Training.

## 2016 APEGS Volunteers

### A

Hikmet Abdulkadir, P.Eng.  
Colin Abernethy, P.Eng.  
Dr. -Ing.Sven Achenbach, P.Eng.  
Adenike Adeoti, P.Eng.  
Felix Agunu  
Alec Aitken, P.Geo.  
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  
Brian AuCoin, P.Eng.

### B

Abdul Bais, P.Eng.  
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.  
Sean Bayer, 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  
Neil Berezuk  
Robert Berry, P.Eng., FEC  
Curtis Berthelot, P.Eng.  
Ralph Bock, Geoscience Licensee

Daniel Bonnet, P.Eng.  
Ben Boots, P.Eng., FEC  
Leon Botham, P.Eng., FEC, FGC (Hon.)  
Andrew Bowerman, P.Eng.  
Danae Bradshaw, P.Eng.  
Leta Brisebois, P.Eng.  
James Bugg, P.Eng.

### C

Rick Campbell, P.Eng.  
Erin Cardiff, Engineer-In-Training  
Mitch Cassidy  
Gerino Catapang  
Rajeev Chadha, P.Eng.  
Chris Chahley, P.Eng.  
Xiongbiao (Daniel) Chen, P.Eng.  
Guoxiang Chi, P.Geo.  
Horea Chifa, P.Eng.  
Adeline Chiu, P.Eng.  
Nurul Chowdhury, P.Eng.  
Karen Coates, P.Eng.  
Robert Cochran, P.Eng.  
Brad Cochrane, Engineer-In-Training  
William Cook  
Robert Cooper, P.Eng.  
Karen Cossitt, P.Eng.  
Dave Cote, P.Eng.  
David Crone, P.Eng.  
Angeline Crozier  
Larry Cruse, P.Eng.

### D

Janis Dale, P.Geo., FGC  
Kristen Darr, P.Geo.  
Zahra Darzi, P.Eng., FEC  
Beatriz de Freitas, P.Eng.  
Kelvin DeGrow, P.Eng.

David deMontigny, P.Eng., FEC  
Jodi Derkach, P.Geo.  
John Desjarlais, P.Eng.  
Stephanie Desnoyers, P.Eng.  
Michel Detharet, P.Eng., FEC  
Anh Dinh, P.Eng.  
Lawrence Dobranski, P.Eng.  
Kurtis Doney, P.Eng.  
Larisa Doucette, P.Geo.  
Trevor Douglas, P.Eng.  
Rachel Dowling, P.Eng.  
Rosemarie-Louise Draskovic, P.Eng.  
Allan Duff, P.Eng.  
Matthew Dunn, P.Eng.

### E

Sarah Jane Eaton, P.Geo.  
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.  
Ian Farthing, P.Eng.  
Pat Faulconbridge  
Matthew Feige, P.Eng.  
Marten Fidler  
Logan Fischer  
Andrea Fisher, P.Eng.  
Gregory Fisher, P.Eng.  
Jordan Forbes, Engineer-In-Training

Richard Forbes, P.Eng., FEC, FGC (Hon.)  
Luc Fortier  
Marcia Fortier, P.Geo.  
Sandra Foster, P.Geo., FEC (Hon.), FGC  
Reza Fotouhi-C., P.Eng., FEC  
James Fraser, P.Eng.  
Benjamin Freitag  
Dawn Friesen, P.Eng.

### G

Jeremy Gabel, P.Eng.  
Jeanette Gellata, 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.  
Jon Gillies, P.Eng., FEC, FGC (Hon.)  
Grant Gingara, P.Eng.  
Gregory Godwin, P.Eng.  
Ramakrishna Gokaraju, P.Eng.  
Bharatindu Goyal  
Catherine Griffith, P.Eng.

### H

Deliang Han, P.Geo.  
Randal Hanson, P.Eng.  
Dale Harsulla  
Robert Hawboldt, P.Eng.  
Christopher Hawkes, P.Geo., Engineer-In-Training  
Nicholas Hayduk, P.Eng.  
Mohadeb Hazra  
Jerome Helfrich, P.Eng., FEC  
Myron Herasymuik, P.Eng., FEC  
Bruno Hernani, P.Eng.  
Gerry Hertz  
Darrel Hill, P.Eng.



Allison Hillmer, P.Eng.  
Douglas Hird, P.Eng.  
Noah Hladun  
Margaret Anne Hodges, P.Eng., FEC  
Dennis Hoepfner  
Brett Holderness, P.Eng.  
Stormy Holmes, P.Eng., FEC  
Metro Hrabok, P.Eng.  
Gordon Huang, P.Eng.  
Kevin Hudson, P.Eng.  
Basil Hussain  
Glenn Hussey, P.Eng.

## I-J

Trodhie Irlandez, P.Eng.  
Peter Jackson, P.Eng., FEC, FGC (Hon.)  
Mehmoosh Janbakhsh, P.Eng.  
Sami Jasem, P.Eng.  
Gavin Jensen, P.Geo.  
Yee-chung Jin, P.Eng.  
Russell Johnson, P.Eng.  
Wade Johnson, P.Eng.  
Donald Johnston, P.Eng.  
James Johnston, P.Eng.  
Lyle Jones, P.Eng., FEC  
Chanelle Joubert, P.Geo.  
Ian Judd-Henrey, P.Geo.  
Kim Junek, P.Eng.

## K

Luke Kehrig, P.Eng.  
John Kelley  
Matthew Kemp, P.Eng.  
Derek Kendel, P.Eng.  
David Kent, P.Eng., FEC  
Mohammad Khan, P.Eng.  
Seungmin Kim, P.Eng.

Paul King, P.Eng.  
Darren Klassen, P.Geo.  
Trevor Knoll, 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

## L

Paul Laforge, P.Eng.  
Robert Lair, P.Eng.  
Anthony Lambert, P.Eng.  
Eric Lamontagne, P.Eng.  
Brett LaRoche, P.Eng.  
Tim Ledding, P.Eng.  
Melvin Leu, P.Eng., FEC  
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  
Marvin Loewen, Engineering Licensee  
Andrew Loken, P.Eng., FEC  
Arthur Lotts, P.Eng., P.Geo.  
Ian Loughran, P.Eng.  
Brad Lulik, Engineer-In-Training  
Denard Lynch, P.Eng.

## M

David MacDougall, P.Geo.  
Ryan MacGillivray, P.Eng.  
Peter MacLachlan, P.Eng.  
Scott Manson, P.Eng.

Anastassia Manuilova, P.Eng.  
Brent Marjerison, P.Eng., FEC  
John Masich, P.Eng., FEC  
Lori Matthews, P.Eng.  
Kerry Mazurek, P.Eng.  
David McColl  
Kevin McCullum, P.Eng.  
Barbara McKinnon  
Dena McMartin, P.Eng., FEC  
Kerry McNamara, P.Eng.  
Cameron McNaughton, P.Eng.  
Robert McPherson, P.Eng.  
Venkatesh Meda, P.Eng.  
Muhammad Mehmood, P.Eng.  
Mehran Mehrandehz, P.Eng.  
Lei Meng, P.Eng.  
Xiao Wei (Annie) Meng,  
James Merriam, P.Geo.  
Anant Minhas, P.Eng.  
Bhaskar Mittal, P.Eng.  
John Moffatt  
Terence Monteith, P.Eng.  
Ryan Morelli, P.Geo.  
Erin Moss Tressel, P.Eng., Geoscientist-In-Training  
Mackenzie Mueller  
Albert Munro, P.Eng., FEC, FGC (Hon.)  
Jean Nepo Murwanashyaka, P.Eng.  
Devin Mutschler, P.Eng., P.Geo., FGC

## N

Shahrooz Nafisi, P.Eng.  
Petro Nakutnyy, P.Eng.  
Syed Naqvi, P.Eng.  
Matthew Naylor, P.Eng.  
Lisa Nehring, P.Eng.  
Kevin Ness, P.Eng.  
Blake Neudorf, P.Eng.  
Leo Niekamp, P.Eng.  
Catherine Niu, P.Eng.

Jenae Nixon, Engineer-In-Training  
Jared Noll, Geoscientist-In-Training  
Nancy Normore, P.Geo.

## O

Jaylyn Obrigewitsch, P.Eng.  
Akindele Odeshi, P.Eng.  
Bartley Oegema, P.Eng.  
Chris O'Grady, P.Eng.  
Kanyin Ogunrinde, P.Eng.  
Arthur Opseth, P.Eng., FEC, FGC (Hon.)  
Douglas Opseth, P.Eng.  
John Orr, P.Eng.  
Jamal Oumha, P.Eng.

## P

Brian Palm, P.Eng.  
Satyanarayan Panigrahi, P.Eng.  
Young-Jin Park, P.Eng.  
Lori Parks, P.Eng.  
Anna Paturova, P.Eng.  
John Pearson, P.Geo., FEC (Hon.), FGC  
Ronald Pearson, P.Eng., FEC  
Bruce Peberdy, P.Eng.  
Wei Peng, P.Eng.  
Spiros Philipopoulos, P.Eng.  
Aaron Phoenix, P.Eng., FEC  
Geoff Pilmoor  
Herbert (Colin) Pitman, P.Eng.  
Martin Plemel, P.Eng.  
Diana Podborochynski, P.Eng.  
Shib Podder, P.Eng.  
Kent Pointon, P.Eng.  
Damodar Pokhrel  
Erica Povhe, P.Eng.  
Kaylee Puchala, Engineer-In-Training

## 2016 APEGS Volunteers

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### Q-R

Asad Qazi  
Hairuo Qing, PGeo.  
Jay Ranford, PEng.  
Ashley Ransom, PEng., FEC  
Chayatrat Ratanasawanya  
Brian Rausch  
Behrooz Razban, PEng.  
Malcolm Reeves, PEng., PGeo., FEC, FGC  
Cliff Rempel, PEng.  
David Rezansoff, PGeo.  
Christopher Richards, PEng.  
Francis Rieder, PEng.  
Cheryl Robertson, PEng.  
Ryan Rogal, PEng.  
James Rogers, PEng.  
Deborah Rolfes  
Shawn Rolland  
Amritpaul Romana, PEng.  
Christopher Ross, PEng.  
Jennifer Roste, PEng.  
Montgomery Russell, PEng.

### S

Aryan Saadat Mehr, PEng.  
Sukhbir Sachdev, PEng.  
Hamid Salmasi, PEng.  
Brendon Samson  
Neeraj Saroj, PEng.  
Gordon Sarty, PEng.  
Vladimir Savinov, PEng.  
Mark Sax, PEng.  
Jody Scammell, PEng.  
Bryan Schreiner, PEng., PGeo., FEC, FGC  
Robert Schultz, PEng.  
Michael Schwab  
Dwayne Selinger, PEng.  
Rajesh Seth

Rajeshkumar Shah, PEng.  
Satish Sharma, PEng.  
Debbie Shewfelt, PGeo.  
Abu Siddique, PEng.  
Jolene Simon  
Stacey Sirois, PEng.  
Brian Skanderbeg, PGeo.  
Ian Sloman, PEng.  
Neilie Smith, PEng.  
Tyson Smith, PEng.  
Andrei Smolyakov, PEng.  
Kristin Snider, Engineer-In-Training  
Hamid Soleymani, PEng.  
Jafar Soltan Mohammadzadeh, PEng.  
Yimin Song, PEng.  
Wing Lok Soo, PEng.  
Douglas Soveran, PEng.  
Rob Stables, PEng., FEC  
Duncan Starling, PEng.  
Raymond Sthamann, PGeo.  
Denise Stilling, PEng.  
Timothy Stobbs, PEng.  
William Stoesz, PEng.  
John Styles, PEng., FEC  
Anwar Syed  
Alicia Szabo, PEng.

### T

Kimberley Tang, PEng.  
Robby Tanner, PEng.  
Vaughn Teasdale, PEng.  
Hsiang-Yung Teng, PEng.  
Ashok Thakkar, PEng., FEC  
Ondiveerapan Thirunavukkarasu, PEng.  
Michael Thomas, PEng.  
Luciana Thomasi, PEng.  
Douglas Thomson, PEng.  
Monica Tochor, PGeo.  
Brent Topp, PGeo.

Farshid Torabi, PEng.  
Jaime Tratch, PEng.  
Kevin Traves, PEng.  
Andrea Tresek, PEng.  
Devendra Trivedi, PEng.  
Geoffrey Trofimuk, PEng.  
George Tsougrianis, PEng.  
Robert Turczyn, PEng.

### U-V-W

John Unrau, PGeo.  
Mark VanVliet, PEng.  
Douglas Wagner, PEng.  
Khan Wahid, PEng.  
Sebastian Walrond, PEng.  
Dong Wang, PEng.  
Trent Washkosky, PEng.  
Ross Welford, PEng.  
Terry Werbovetski, PEng., FEC  
Jason Whitelaw, Engineer-In-Training  
Philip Winter, PEng., FEC  
Shane Wolffe  
Andrea Wong, PEng.  
Connor Wright, PEng.  
Fangxiang Wu, PEng.  
Peng Wu, PEng.

### X-Y-Z

Yanan Xing, PEng.  
Daoyong Yang, PEng.  
Qiaoqin Yang, PEng.  
John Yannitsos, Engineering Licensee  
Barry Yaworski  
Gary Yeo, PGeo., FEC (Hon.), FGC  
Twyla Yobb, PEng.  
Kendi Young, PEng.  
Vladimir Zalutskiy, PGeo.

Fanhua Zeng, PEng.  
Wen Jun (Chris) Zhang, PEng.  
Peter Zrymiak, PEng.  
Tara Zrymiak, PEng., FEC  
Cory Zubrowski, PEng.

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