



A P E G S

*Association of Professional Engineers
& Geoscientists of Saskatchewan*



2017 Annual Report



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& Geoscientists of Saskatchewan*

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President's Report

APEGS remains strong and relevant by focusing on its core objects while consciously striving to improve its regulatory processes, connections with members and participation in sustaining the professions.

APEGS's objects are defined in section 5 of *The Engineering and Geoscience Professions Act* of Saskatchewan:

- to increase the proficiency and competency of members in the practice of professional engineering or the practice of professional geoscience in order to safeguard the public;
- to regulate the practice of professional engineering and the practice of professional geoscience by members in accordance with this Act and the bylaws;
- to promote and improve the proficiency and competency of members;
- to foster the practice of professional engineering and the practice of professional geoscience by members in a manner that is in the public interest.

The work of APEGS is carried out by standing committees and task groups, overseen by Council and Executive Committee, and supported by the APEGS staff. In two instances this year on the recommendation of standing committees, Council created bylaw changes which, if approved by APEGS membership at the 2018 Annual Meeting, will take effect in January 2019.

One of the changes is to amend the bylaws pertaining to Continuing Professional Development (CPD) to introduce a requirement for all members to report CPD credits and to include verifiable ethics training. Engaging in CPD is a personal responsibility mandated by the Act and the Code of Ethics (section 20(2) of the Regulatory Bylaws). Regularized reporting and ethics training will benefit us individually as members and will demonstrate the commitment of APEGS to its responsibilities to safeguard public safety and act in the public interest. While APEGS has well-tested and demonstrably rigorous processes to ensure that new applicants meet academic, experience and ethical standards appropriate to the professions, the public need to be reassured that our members are maintaining their competencies and their understanding of ethical responsibilities at all times. APEGS is one of the last of the self-regulating professions in Saskatchewan, and one of the last engineering and geoscience regulatory associations in Canada, to require annual reporting. These CPD program changes will also make inter-association mobility easier for our members.

Council also created bylaw changes to adopt competency-based assessment

(CBA), a new format to review the experience of Engineers-in-Training. Engineers and Geoscientists British Columbia developed this online system and Council has approved adoption of CBA in Saskatchewan following a number of pilot trials. At this time, this new format will not apply to Geoscientists-in-Training, pending development of the appropriate competency framework.

During this past year, Council approved streamlined procedures to review the academic qualifications of those applicants with an international bachelor-level education. The changes will make the review process more flexible, consistent and systematic. These changes are especially important and timely in light of the substantially increased number of international applicants applying to APEGS.

APEGS continues to take some small steps to foster diversity and inclusiveness in engineering and geoscience. We are participating in and contributing to the 30 by 30 initiative of Engineers Canada which aims to increase the proportion of Professional Engineers who are women to 30 per cent by 2030. We are also represented at the Equitable Participation Committee of Engineers Canada and we have our own Equity and Diversity Committee which has initiatives particular to indigenous, international and gender diversity and inclusion. It is in the public interest that engineering and geoscience reflect the demographics of the broader population. It is in the interests of our professions and of the organizations with which we work to take advantage of the improved outcomes that are shown to accrue from including diverse individuals.

APEGS has a provincial mandate. We make opportunities to engage with the Government of Saskatchewan, including hosting an MLA reception and meetings with government officials, to foster within government a good understanding of the important public service role that is ours. Professional self-regulation is a service to the public and it is also a privilege which must be continually earned. We make opportunities to learn with and from our sister engineering and geoscience regulatory organizations across Canada, including through our participation with Engineers Canada and Geoscientists Canada. APEGS is taking a leadership role, through its engagement with the Pacific NorthWest Economic Region (PNWER), to seek professional labour mobility with the United States. Interjurisdictional mobility of licensed professionals is in the public interest and APEGS ensures that its practices facilitate that mobility while always ensuring that public safety in Saskatchewan is not compromised.

The addition to the APEGS staff of a communications professional has been a very timely and important initiative this year. APEGS has many "publics" with whom it must engage, both as speaker and as listener. In her first year as

Executive Director and Registrar's Report

Communications Manager, Sheena August is leading us to understand who are our key stakeholders and audiences, to take stock of how well our mandate is understood and respected, and to focus on key strategies to ensure we are effective communicators, good consumers of communications services, consistent and strategic about our key messages.

Now with the closure of my year as APEGS President, I take this opportunity to say thank you. I did not plan to be the President of APEGS but it has been a huge gift to me to serve in this capacity. Someone recently asked me why I got involved as a volunteer with APEGS and I said, "Because I was asked to by someone whom I respected." If you are not already involved, ask yourself if maybe this is something you could do. Or ask someone else to consider serving as a volunteer because you might just be giving that person a gift for which they will thank you. It has been such a huge privilege for me to get to know and to work with a wonderful team of volunteers. Council and Executive Committee have been tables of great discernment and unfettered commitment to the objects of APEGS. The staff of APEGS, led by Executive Director and Registrar Bob McDonald, P.Eng., MBA, LL.B., FEC, FGC (Hon.), FCSSE, could not be more dedicated or more competent: APEGS has a well-deserved reputation for the helpful and professional face that it presents to all who contact our office. I look forward to one more year on the executive as Past President, and it will be a pleasure to work alongside your next President, Stormy Holmes, P.Eng., FEC. Thank you to the members for the gift that you have given me to serve as your President.

Respectfully submitted,

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

2017 represented an active year for APEGS, particularly in its regulatory role. In spite of the soft Saskatchewan economy, there was modest growth in membership and licensure. APEGS also experienced unprecedented growth in the number of applications from internationally educated engineering graduates. Work continued on the revisions to the professional development program. A task group was established to review APEGS sponsorship activities and a Communications Manager engaged to incorporate strategic communications planning into APEGS's strategic plan. Work also continued on an upgraded database to support our membership and enhance members' online experience. Highlights of many of these activities are provided below.

Continuing Professional Development

Two of the four statutory objects of the Association relate to maintaining and improving the proficiency and competency of members and licensees in order to safeguard the public, and also to foster the practices of professional engineering and professional geoscience in the public interest. Members and licensees are bound by the Code of Ethics, which requires that they "keep themselves informed in order to maintain their competence . . ." As permitted by *The Engineering and Geoscience Professions Act*, APEGS Council endorsed the concept of creating regulatory bylaws for a continuing education program. The Professional Development Committee and staff worked throughout 2017 on developing a program, based on the existing CPD program but including the requirement for members and licensees to report on professional development activities. The committee and staff were also actively involved in an educational roadshow and town hall meetings to explain members' ethical obligations and to consult with members. At its February 2018 meeting, Council approved the regulatory bylaws necessary to implement the revised program. These bylaw amendments must also be approved by the members in a vote at the 2018 Annual Meeting, followed by approval from the Minister of Highways and Infrastructure. Council is hoping for strong support for the proposal at the Annual Meeting. Information is available on the APEGS website – www.apegs.ca. As the privilege of self-regulation is coming under increasing pressure across Canada, you are encouraged to discuss the CPD program with volunteers and staff at the Annual Meeting.

Registration

The membership/licensee growth rate declined slightly from 5.1 per cent in 2016 to 4.9 per cent in 2017. The slight increase in the number of both Professional

Engineers and Professional Geoscientists resulted from an increase in mobility applicants, but also from Members-in-Training transitioning to Professional Engineers and Professional Geoscientists. The increase in Members-in-Training is small, but encouraging, as it represents the future of our professions. The substantial increase in the number of Life Members is reflective of the retirement of the front half of the “baby boomers.” Somewhat discouraging is the 19.8 per cent increase in the number of licence waivers, which followed an increase of 31.1 per cent last year. The licence waiver provides a way for members who are not working in Saskatchewan to inexpensively retain their membership but have the ability to quickly reinstate their licence on a pro-rated basis when required. The statistics at the end of this report record the net outcome of all registration activities.

The registration activity continues to be active. The total number of applications of all types received in 2017 was just over 3,000, up 22 per cent from 2016, challenging staff, the Academic Review Committee and Experience Review Committee. As a result of a quota opened by the Saskatchewan Immigrant Nominee Program (SINP), APEGS experienced a large influx of applications from international engineering graduates, receiving 945 applications in 2017 compared to 391 in 2016. APEGS received another 440 applications in January and February of this year. By comparison, the number of applications from graduates from Canadian accredited engineering programs was 329 in 2017 and 310 in 2016.

Compliance Activities

APEGS has continued its compliance activities by identifying persons who are misusing titles and/or designations or engaging in the practice of professional engineering or professional geoscience in Saskatchewan without being appropriately licensed or supervised by someone licensed by APEGS. Staff follows up with these persons, resulting in some cases in licensure; in other cases, identifying the responsible Professional Engineer or Professional Geoscientist or that the person has complied with the Act; or asking the person to cease and desist in his or her conduct that is contrary to the Act and monitoring the outcome. 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.

Member Database, Website and Online Services

Work on the upgrade to the member database continued in 2017; however, it

was not complete for the 2018 renewal season as hoped. The “go live” date is now scheduled for early June. It should provide a better online experience for the public, members, volunteers and applicants by improving business transaction and application processes, simplifying the reporting of Continuing Professional Development activities and maintaining up-to-date member profile information. The improvements should also improve and simplify administrative processes for holders of a Certificate of Authorization.

30 by 30

APEGS Council 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) and created the APEGS 30 by 30 Task Group to coordinate APEGS activities under the leadership of Past President Margaret Anne Hodges. The task group will be coordinating activities among APEGS committees and volunteers, Engineers Canada and volunteers from across Canada. Engineers Canada hosted a recent face-to-face national meeting of volunteers, whose interest in and resolve to achieve the initiative continues.

Volunteerism and Outreach

APEGS functions with a complement of approximately 350 volunteers annually, serving on committees, as mentors and representing APEGS at a variety of events. APEGS volunteers and staff represented the engineering and geoscience professions at a variety of events, national and provincial, with a diverse audience – the public, our governments, universities, other regulators, learned societies and members – all in support of public safety and attainment of our objectives outlined in *The Engineering and Geoscience Professions Act*.

I thank all APEGS volunteers who contributed their time during 2017 in support of public safety and in the public interest. I offer special thanks to Presidents Tara Zrymiak, P.Eng. and Dr. Ernie Barber, P.Ag., P.Eng., Executive Committee and APEGS Council for their continued support during 2017. I also offer special thanks to my colleagues – the dedicated staff at APEGS – who serve the public, our members and applicants.

Respectfully submitted,

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

Public Appointees

Membership Statistics

MEMBERSHIP CATEGORY	2016	2017	CHANGE	% CHANGE
Professional Engineers	7,823	8,024	201	2.7%
Professional Geoscientists	592	598	6	1.0%
Engineers-in-Training	1,876	1,910	34	1.8%
Geoscientists-in-Training	207	212	5	2.4%
Geoscience Licensees	9	9	0	0%
Engineering Licensees	81	92	11	13.6%
Temporary Licensees	29	23	(6)	(20.7%)
Licence Requirement Waived (P.Eng./P.Geo./Licensee/Members-in-Training)	1,342	1,608	266	19.8%
Life Members (P.Eng. & P.Geo.)	922	1035	113	12.3%
Members/Licensees	12,881	13,511	630	4.9%
Resignations Members & Licensees	390	379	(11)	(2.8%)
Permission to Consult	436	343	(93)	(21.3%)
Certificates of Authorization	1,245	1,252	7	0.6%

Brackets indicate (decrease)

The province of Saskatchewan appoints two members of the public to the APEGS Council to represent and protect the public interest in the regulation of the professions in the province. These representatives are independent members of the public with a legislated duty to uphold and protect the public interest in the outcome of decisions made by Council in regulating the professions. They fulfill this role by working together with the elected members of Council to deliver APEGS's mandate to protect the public, including serving on either the Investigation Committee or Discipline Committee. They are appointed for a three-year term which is renewable for an additional three-year term; however, they may serve longer until a replacement is appointed.

As public representatives on Council, this 2017 report presents our opinion on how APEGS Council has met its mandate over the past year.

The Professional Development Committee and staff have been working on the development of a required Continuing Professional Development (CPD) Program, which would include required reporting. The implementation of such a program would bring APEGS into alignment with most of the other self-regulated professions in Saskatchewan as well as our sister engineering and geoscience regulators across the country. This program is an important component of self-regulation as it is one of the pillars necessary to support protecting the public interest.

With respect to registration activities, there are two areas that have seen significant work in the past year. First, APEGS is adopting a new competency-based assessment process for experience reporting for Engineers-in-Training. This process will allow for more quantitative, precise, objective, transparent and consistent measuring of experience. At this time, it only applies to Engineers-in-Training. It is anticipated that Geoscientists-in-Training will be added in the coming years.

Second, APEGS has seen a significant increase in the number of applications from internationally trained engineers and geoscientists. In 2017, there was almost three times the number of applications as compared to 2016. This has prompted staff to review the academic review processes to make them more efficient. Council was consulted on the proposed changes and approved them at its December meeting.

The investigation and discipline processes are well managed. Staff and volunteers working in these areas participated in investigation and discipline training that was attended by representatives of several other self-regulated professions. This workshop was facilitated by APEGS and is provided every two years.

Investigation Committee

In closing, it is our opinion that the APEGGS membership is well served by Council and the dedicated staff. APEGGS is seen as a leader amongst our peers in self-regulation within the province, and nationally. APEGGS is fortunate to have an accomplished leadership team.

Respectfully submitted,

Dwaine Entner, Public Appointee

Wendell Patzer, Public Appointee

The Engineering and Geoscience Professions Act and bylaws state that APEGGS 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, APEGGS 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 APEGGS Council.

The Investigation Committee initiates the investigation process when a written complaint is received or when requested by APEGGS Council. The investigation process is led by the volunteer members of the Investigation Committee with support from APEGGS 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 APEGGS staff to commission an expert to review evidence and provide an opinion.

Upon completion of its investigation, the committee can conclude that the matter be forwarded to the Discipline Committee for a hearing, or it may recommend that no further action be taken. These conclusions are presented to the complainant, the member being complained against, the APEGGS 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 seven face-to-face meetings throughout 2017, investigating a total of 16 cases, of which eight were new complaints in 2017. Three cases were closed in 2017, with one case becoming a formal complaint to the Discipline Committee. In addition, the Investigation Committee conducted a pre-hearing conference, a complaint that will be referred to the Discipline Committee.

Discipline Committee

In total, 16 individuals work together to complete the objectives of the Investigation Committee, comprising 12 APEGS member volunteers, a public appointee, external legal counsel and staff support. Thank you to all for their outstanding efforts in supporting the work of the Investigation Committee.

Respectfully submitted,

Margaret Ball, P.Eng., FEC
Chair

Under provisions of *The Engineering and Geosciences 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 2017, only one Discipline Hearing Panel was convened for a case that was referred to the Discipline Committee. The result of this hearing was published in *The Professional Edge* and on the APEGS website.

The Act requires that the Discipline Committee receive closing reports from the Investigation Committee upon closure of an investigation that does not result in a formal complaint to the Discipline Committee. In 2017, the Chair of the Discipline Committee received one closing report from the Investigation Committee. The report was reviewed in confidence by the Chair and destroyed.

The committee met officially three times in 2017. There were some transitions on the committee this year, with a few members stepping down. We are always looking for volunteers, especially from the geosciences and, in keeping with the APEGS 30 by 30 initiative, we are also seeking to increase the representation of women on our committee.

APEGS hosted a Professional Investigation and Discipline Hearing Workshop at the end of November in Regina. It was attended by a number of other self-regulated professional organizations and was very well received.

I would like to thank our committee support, Shawna Argue, P.Eng., MBA, FEC, FCSSE, FGC(Hon.), our external legal counsel, Ron Pearson, P.Eng., LL.B., FEC, as well as the many other dedicated APEGS staff for their work in helping 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 endorsing Engineers Canada's "30 by 30" initiative, to increase the number of licensed women engineers and geoscientists to 30 per cent of the total number by 2030. APEGS joined the other provincial engineering regulators in signing on to this initiative. Why 30 per cent? Because it's the critical mass needed for meaningful change, a theory developed more than 40 years ago by R.M. Kanter of the Harvard Business Law School.

Dream It! Believe It! Be It!

That is the message that APEGS's 30 by 30 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.

To accomplish our goal, which includes engaging girls/women interested in the geosciences, the task group has identified four focus groups to communicate with and reach out to: girls (and their parents and teachers) in elementary school, teenagers in high school considering their next steps, young women attending university and professional women who have already graduated and are pursuing their careers. In some instances, the task group has pursued meeting with and talking to girls and women one on one, and at other times there has been an opportunity to reach a broader audience such as with APEGS's title sponsorship of the Saskatchewan Science Centre's Kramer IMAX showing of Dream Big: Engineering Our World.

Dream Big: Engineering our World! by the numbers:

Total number of viewers = 12,053

Number of students = 5,562

Camp-in participants = 1,020

Menzer Pehlivan, featured engineer in Dream Big, joined APEGS at the 2017 Annual Meeting. She attended a special members' screening of the IMAX film to open the Annual Meeting, and presented the Track, "30 by 30: Women in the Professions." Menzer was available to network with the members throughout the two days of events. She also appeared on the Global News morning show and attended screenings at the Science Centre, meeting and talking with the kids and their parents in attendance.

Dream Big provided APEGS with a special opportunity to host "Girls Night Out." Each event began with a welcome reception which included mocktails, appetizers and networking. This provided an opportunity for the youth participants to meet a variety of women working as engineers, students in an engineering program and members of local organizations such as Engineers Without Borders. After a screening of Dream Big, the girls and our engineering mentors dove into a hands-on engineering project: designing and building a bridge for the girls aged 11 to 13, and building a home's foundation for the girls aged 14 to 18. Engineering mentors were instructed to encourage the participants to think critically, to encourage questions and to ensure participants were working together as a team. It was important for the engineer mentors to help develop confidence and self-esteem and pass along their knowledge to the youth participants.

APEGS's 30 by 30 Task Group has been active throughout the province:

Go where the people are: 30 by 30 was present at the Regina Cathedral Village Arts Festival, Saskatoon Children's Festival and Albert Park Festival. Our volunteers talked to more than 950 kids and parents.

Engineers Canada has established a relationship with the Canadian Girl Guides organization. Part of this relationship has led to the establishment of an engineering Girl Guides badge. 30 by 30 volunteers have spoken to many Sparks/Brownie troops. The girls earned the badges!

Northern Outreach: APEGS has a great relationship with EYES and SciFi. This past spring, 30 by 30 sponsored three girls from La Ronge, and their chaperone, to attend the SciFi Discover STEM Conference in Saskatoon.

Career Fairs are an annual rite of passage for high school students. 30 by 30 had a presence, joining the APEGS team at the table to talk to students. Specifically, 30 by 30 sponsored a booth at Business and Professional Women's annual career fair. It's an event that attracts more than 300 girls, and has been held for the last 39 years. Feedback from our volunteers:

"The event was a success - at one point the booth was swarmed with teenage girls excited about engineering."

"The banners and buttons with the superhero theme made the booth really approachable for the age group. I think we had lots of girls come up to our booth because our banners were so different from the others."

30 by 30 provided the APEGS sponsorship for the national tour of Driving WinTech, which is a community-based research initiative that aims to understand and elevate women in technology across Canada. At these events, the WinTech team recorded stories, documenting the challenges, gaps and successes of women in tech in order to create a national report on the experiences of women in tech in Canada and create regional playbooks. The findings will be presented to provincial and federal governments, and the data will be shared online. 30 by 30 participated by providing some funding and spreading the word to the membership about the opportunity to participate.

The Edge: 30 by 30 submitted stories for publication in The Edge on a regular basis, to share the activities of the task group with the membership.

30 by 30 sponsored Full STEAM Ahead!, two days of PD sessions, October 16 and 17. The track sessions were well attended and there was positive feedback from the participants. The organizing of the PD sessions has led to valuable contacts within the community: Dr. Gina Grandy, professor of strategy and leadership and acting dean of graduate programs and research with the Hill-Levene Schools of Business at the University of Regina; Dr. Jeanie Wills, assistant professor, Ron and Jane Graham School of Professional Development; Roxanne Bartel, president of Impact Bank; and others. The output from Brianna Brownell and Dr. Bill Brooks's session, "Essential Skills for Leadership in a Diverse Organization," has been documented and will be analyzed for reoccurring themes, issues and ideas. The Senior Leadership panel, "Why is There Value When Women Lean In?," was a highlight for many attending the PD track. The discussions were candid and informative.

30 by 30 partnered with the Women's History Month Committee by sponsoring speaker Brianna Brownell at the annual Women's History Month breakfast. The breakfast drew a full house, with more than 125 attending, including a number of provincial MLAs. There were many favourable comments on the event and the speaker. The audience consisted not only of many APEGS members, but also members of the community.

The Full STEAM Ahead! Subcommittee engaged UofR students from the Fine Arts Department to record video of portions of the track session, and to interview attendees. The video will be compiled and used in the 30 by 30 communications plan.

And much more in development . . .

The amazing thing about going out into the community to talk about 30 by 30 is the warm welcome the initiative has received. Members have said they want to volunteer. The task group is networking and partnering with professionals in educational institutions and businesses that want to help us meet our goal and the message is resonating with both men and women. This is exciting, and makes volunteering a joy!

I would like to thank the task group members for their effort and guidance. It has been an extremely busy year and much was accomplished!

On behalf of the task group, I also want to acknowledge and thank both Tina Maki, P.Eng., FEC, FGC (Hon.), APEGS Director of Special Projects, and Shawna Argue, P.Eng., FEC, FCSSE, FGC (Hon.), APEGS Director of Registration, for their outstanding support of the task group's activities and agenda this year.

Respectfully submitted,

Margaret Anne Hodges, P.Eng., FEC, FGC
(Hon.)
Chair

Girls' Night Out / Dream Big Report

Girls Night Out

Hosted by the Saskatchewan Science Centre and APEGS, Girls Night Out provided over 100 young women aged 11 to 18 an opportunity to connect with women working as Professional Engineers and student engineers. Two free-of-charge events were held in 2017— March 10th to coincide with Engineering Week in Saskatchewan and Engineering Month nationally, and October 16th to coincide with APEGS's professional development workshops.

To register for the program, interested girls were required to respond to the questions, "What inspires you?" and "Why do you want to participate in Girls Night Out?" The response was overwhelming, with many girls submitting applications hoping to:

- Know what a day in the life of an engineer looks like and help determine what implications my interest in science will have on my future and
- Choosing the RIGHT profession, as it is a life-changing decision, and I would like to know what to expect before I make up my mind.

The Girls Night Out began with a welcome reception. This provided an opportunity for the youth participants to meet a variety of professional women engineers and students. Parents and caregivers were welcomed to stay for the reception so they could network with engineers and learn about careers in engineering.

Following the reception, everyone viewed the IMAX film, and then on to the hands-on challenge, working together to develop a solution to a realistic problem.

In the Girls Night Out event for youth aged 11 to 13, the scenario was drawn from the IMAX film. The participants and engineer mentors worked together to design a bridge while carefully utilizing supplies to follow established guidelines and restrictions. Participants had to think critically to decide what items to use or trade. This created the opportunity to think about the value of supplies and communicate their thoughts with the group. Having the challenge related directly to the IMAX film was important as the participants could put into practice what they had just observed.

For the youth aged 14 to 18, the scenario involved building a home on a foundation which was unstable and changeable. Participants were challenged with a relevant issue for homebuilders in Regina, related to the current environmental situation caused by overly dry conditions. Participants had to design and build a structure, ensuring that it would withstand the elements Regina homes face in varying weather conditions.

Measures of Success

The success of this project was first observed by the overwhelming response by applicants. Many youth expressed their passion and interest in learning about engineering:

Don't know much about engineering except that there are many different types of engineers and would like to know more.

The world around me changes constantly. I look at a blank page and want to change it. I see things people throw away and want to change them into something useful. I hear noise and listen for the music.

Since the event was provided at no cost for the participants, many people who do not frequent the Science Centre participated. Both parents and youth participants were surveyed, reporting their overall satisfaction with the event.

Feedback from one volunteer/mentor, in particular, stood out. Her email to the event coordinator:

Thank you for organizing for the girls night out event. I had such a blast and it was great to see the girls get creative with materials and work as a team.

I want to share my final moments of the evening as I was driving Lila home, as I believe this is what the event is about.

On the drive home Lila said, "I know what engineering is now. I thought engineering had to do with trains, and I know you explained to me what you do but I didn't fully understand. I understand what engineering is now. I could be an engineer."

During our conversation we talked about the film, my job and career options. The other things she realized in the evening were:

- Engineering helps people and makes life better for everyone.
- Engineers have to be creative, problem solve and think outside the box while using science. Every day can be different.

Governance Report

- There are a lot of career options and many different paths a career could take with engineering.
- Her love of science and art/creativity could be combined in a career with engineering.

After I dropped Lila, I couldn't stop smiling because of how excited she was about the night and how she had realized that she could be an engineer.

Respectfully submitted,

Margaret Anne Hodges, P.Eng., FEC,
FGC (Hon.)
30 By 30 Task Group Chair

The Governance Board oversees the qualifications and acceptance of applicants to the professions of engineering and geoscience. The board ensures that professional standards are upheld and kept current. Committee members are drawn from experienced professionals who are qualified to provide the reviews and assessments that ensure persons admitted to practise engineering and geoscience in Saskatchewan meet appropriate academic, experience and ethical standards. The Governance Board is chaired by the President and is comprised of the Chairs and Liaison Councillors of its five standing committees. The APEGS representative to the Saskatchewan Construction Panel also sits on the board.

Reports from each committee provide more detailed information on the mandate and activities of that committee. Some highlights are summarized here:

The Academic Review Committee administers the policies and procedures established by Council for the review of the academic qualifications of individuals who apply for membership in the Association. 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). In 2017, ARC developed a document “Guideline on applying the CEQB Syllabi” to make the review process more flexible, consistent and systematic. 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 over 900 in 2017.

The Experience Review Committee administers the policies established by Council for the review of work experience reports of Members-in-Training and other individuals applying for professional membership with APEGS. The Experience Review Committee reviewed 1,446 work experience reports from 977 applicants. This is another record-setting year, up from the previous four-year average of just over 1,300 reports. The committee also played an important role in the evaluation, pilot trials and subsequent recommendation to Council to adopt the competency-based assessment (CBA) format for work experience review.

The Professional Practice Exam Committee coordinates and directs the Law and Ethics Seminars and oversees the setting and administration of the Professional Practice Exam. A total of 185 people wrote the spring exam on May 27, 2017, or

on pre-arranged alternate dates. For the fall exam, 165 people wrote on November 4, 2017 or on pre-arranged alternate dates. One person failed the spring exam and two persons failed the fall exam.

The Licensee Admissions Committee administers the policies and procedures established by Council for the review of the academic and experience qualifications of applicants seeking to practise engineering or geoscience as an Engineering Licensee or Geoscience Licensee. Policies administered by this committee provide a route to licensure for individuals who have completed a minimum of two years of post-secondary education in engineering, geoscience or related science who may receive a licence to practise engineering or geoscience within an individualized scope of practice. The LAC approved eight new Engineering Licensees, one new Geoscience Licensee, and 12 applicants for interprovincial mobility which were approved via the Registrar's Acceptance List. At the end of 2017, APEGS membership included 98 Engineering Licensees and 10 Geoscience Licensees. The LAC is working to increase awareness of the licensee option for membership with APEGS and this initiative will be carried forward in 2018.

The Registrar's Advisory Committee provides recommendations to the Registrar, at the request of the Registrar, in those few cases where a question of character arises during the assessment of an application for membership or licensure.

The Legislative Liaison Committee monitors and reviews provincial demand-side legislation and proposed regulation, and assesses the potential effect on the Association and its members related to the practice of engineering and geoscience in Saskatchewan.

The Saskatchewan Construction Panel is a forum for the 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 items of discussion.

I want to thank all of the volunteers and special advisors without whom these essential regulatory functions would not be possible. A self-regulating profession simply could not function without a team of experienced professionals who are qualified and willing to exercise judgment in the interests of ensuring public safety. The Governance Board committees and the board itself are supported by a talented team of APEGS directors and other staff. Thanks to Bob McDonald, P.Eng., Executive Director and Registrar; Shawna Argue, P.Eng., Director of

Registration; Tina Maki, P.Eng., Director of Special Projects; Kate MacLachlan, P.Geo., Director of Academic Review; Ferguson Earnshaw, P.Eng., Director of Corporate Practice and Compliance; and Delee Silvius, P.Eng., Assistant Director of Registration.

Respectfully submitted,

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

Academic Review Committee

The Academic Review Committee (ARC) is comprised of 16 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 (49 in 2017) 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 two to three 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.

In 2017, ARC developed a document, "Guideline on applying the CEQB Syllabi," to make the review process more flexible, consistent and systematic. Two different levels of review are outlined depending on whether the education is defined as "university level in engineering" or "non-university level" (or not in engineering). Those with "university level in engineering" are assessed at a program level, which is defined and explained in the document. Those that are either "non-university level" or not clearly in an engineering discipline require a detailed line-by-line review, which is also defined in the document.

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 about 550 in 2015 and over 945 in 2017. In response to the increased

volume, in 2016 we introduced two bypass options to increase the number of files that could be processed without going to ARC. At the end of 2017, we introduced significant changes to the ARC policies and processes for internationally educated engineers, which will come into effect in 2018. We are no longer using the Engineers Canada International Institutions and Degrees database (IIDD) status to determine whether an applicant has "university-level education in engineering." As of January 1, 2018 we will be using the course-by-course assessment by World Education Services (WES). This will mean that more applicants will meet the Registrar's Acceptance List and bypass options. Staff feel that the assessment by WES is a much more defensible, rigorous, reliable and individualized piece of information to determine the appropriate level of review.

In addition to more applicants bypassing ARC, the December 2017 changes to ARC policies will mean that only those applicants who do not have a "university level education in engineering" will be required to have the detailed line-by-line assessment by APEGS, which includes a preliminary review and final review prior to going to ARC. Applicants who do have "university-level education in engineering" will only have a preliminary review (at a program level) and then will go on the ARC consent agenda. This should result in significantly more files getting on each agenda.

Continued on next page

Licensee Admissions Committee

The following table provides a summary of the applications processed by ARC over the past three years. In 2017, we have added statistics for applicants who went through the bypass routes (for engineering only) to the total of individual applicants processed.

CATEGORY	ENGINEERING			GEOSCIENCE		
	2015	2016	2017	2015	2016	2017
Individual applicants	209	174	308	29	22	18
Assigned deficiencies	108	82	79	12	3	6
Assigned confirmatory exams	22	26	32	1	0	0
ERC waive confirmatory exams	42	24	22	0	0	0
ARC bypass 1	NA	NA	48	NA	NA	NA
ARC bypass 2	NA	NA	5	NA	NA	NA
Course approval requests	16	4	NA	0	0	NA
Recommend as MIT	44	37	60	13	17	8
Denied	7	7	7	4	2	1
Exam/course results	11	11	12	0	1	1
Re-assessment requests	18	22	28	2	3	2
Total files through ARC	239	180	240	30	22	18

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

The Licensee Admissions Committee administers the policy and procedures established by Council for review of the academic and experience qualifications of applicants seeking to practise engineering or geoscience as an Engineering Licensee or Geoscience Licensee, and makes recommendations to the Executive Director and Registrar following the completion of those reviews. Licensee Admissions Committee members are appointed by the Governance Board from a cross-section of academic disciplines, workplace sectors and membership categories.

Engineering Licensees and Geoscience Licensees are members who do not meet the normal academic requirement for P.Eng. or P.Geo. membership, but do have a combination of education and experience that allows them to take responsibility for their own work within a specific and restricted scope of practice.

Engineering Licensees and Geoscience Licensees have the same rights and privileges as P.Eng. and P.Geo. members. The only difference is that licensees have a specific scope of practice, defined and approved by APEGS and stated on their licences. This is the scope of practice within which they are able to practise independently.

Depending on their academic background, licensee applicants must have at least five years of work experience that is directly related to the requested scope of practice and under the direct supervision of a Canadian P.Eng., P.Geo., Engineering Licensee or Geoscience Licensee. At least one year of experience must be obtained in Canada or in an equivalent-to-Canada work environment. All of the work experience must be post-education.

The Licensee Admissions Committee met six times in 2017 and approved eight new Engineering Licensees and one new Geoscience Licensee. Another 12 applicants for interprovincial mobility were approved directly through the Registrar's Acceptance List. At the end of 2017, APEGS membership included 98 Engineering Licensees and 10 Geoscience Licensees.

To advance one of the initiatives of the committee's AVP Initiatives and Action Roster, the Advertising Subcommittee reviewed options, targets, costs and effectiveness of advertising aimed at increasing awareness of licensee membership. Such review will continue in 2018 as part of an overall APEGS communications strategy.

The committee adopted a meeting scheduling model that sets application deadlines and quarterly meeting dates. This will allow applicants to know what the timelines might be for their files to be assessed.

Experience Review Committee

The Licensee Admissions Committee thanks outgoing members for their service, and is especially grateful for the leadership provided by the outgoing Chair. The committee would also like to thank APEGS Director Shawna Argue, P.Eng., MBA, FEC, FCSSE, FGC(Hon.) for her invaluable guidance and support.

Respectfully submitted,

Rick Kullman, P.Eng., FCSCE, FEC,
FGC (Hon.), FCSSE
Chair

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 37 members of the Experience Review Committee reviewed 1,446 work experience reports from 977 applicants. This is another record-setting year, compared to 1,276, 1,356, 1,310 and 1,298 reports reviewed in 2016, 2015, 2014 and 2013, respectively.

The committee would like to thank the members whose terms ended in 2017. As we look forward to another busy year, the committee is pleased to welcome our new committee members. Special thanks to the volunteers for their hard work, dedication and, most importantly, their patience and focus during the sometimes lengthy evening committee meetings.

The committee played an important role in the evaluation and pilot trials, and subsequently provided a recommendation to Council to adopt the competency-based assessment (CBA) format. This format will improve the methods by which applicants, validators and assessors gauge the experience of a Member-in-Training. Compared to the current system of reporting experience, the proposed CBA system will rate an applicant's competencies, which are observable and measurable skills, knowledge, abilities, motivations or traits of the applicant. The evaluation of these specific competencies will determine if an applicant has the experience necessary to become a professional member of the Association.

The time spent by the committee on this project was in addition to the normal ERC workload; the committee must be recognized for their extra effort. The two volunteer assessors in the pilot trials must be recognized for the time commitment required for the pilot study, and bringing their experience and findings to the committee to allow us to put forward our recommendation to Council.

The CBA project was led by Tina Maki, P.Eng., FEC, FGC (Hon.); I wish to extend my appreciation to Tina for the guidance and wisdom she has always provided the committee. We would also like to thank E. Ferguson Earnshaw, P.Eng. and all the APEGS staff for the support they provided in 2017.

Respectfully submitted,

Kevin Traves, P.Eng.
Chair

Professional Practice Exam 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
- Continuing Professional Development

The spring seminar was held in Saskatoon on April 21 and 22, 2017 with 156 attendees, and the fall seminar was held on September 15 and 16, 2017 in Regina with 128 attendees. The Professional Practice Exam is offered twice a year and is written a number of weeks after each seminar. A total of 185 people wrote the spring exam on May 27, 2017 or on pre-arranged alternate dates, with one failure. For the fall exam, 165 people wrote on November 4, 2017 or on pre-arranged alternate dates. There were two failures in the fall sitting. A survey of participants was sent out after each seminar and exam, in order to review and improve both.

The Professional Practice Exam Committee has also been working with the Professional Development Committee for the implementation of ethics seminars in conjunction with the Professional Development Days. The Incident At Morales was presented at the spring session. This was a video scenario and group discussion on the ethical issues that were observed. Business Ethics was presented at the fall session. The plan is to continue to be involved in the sourcing of ethical seminars with the Professional Development Committee so if you have any suggestions, we would be happy to hear them.

Respectfully submitted,

Ryan MacGillivray, M.Sc., P.Eng.
Chair

Registrar's Advisory Committee

The Registrar's Advisory Committee reports to the Governance Board. The committee is comprised 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 did not meet in 2017.

The committee would like to thank the APEGS staff for the support they have provided to the committee in 2017.

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.

Twenty-six new Bills were introduced at the spring sitting of the Legislative Assembly which commenced on March 6, 2017 and concluded on May 18, 2017. Forty-six new Bills were introduced at the fall sitting of the Legislative Assembly which commenced on October 25, 2017 and concluded on December 7, 2017. A total of 72 Bills were monitored during the year. The 72 Bills that were monitored have no direct effect on the Association and its members related to the practice of engineering and geosciences in Saskatchewan.

Respectfully submitted,

Myron Herasymuik, P.Eng., FEC
Chair

Saskatchewan Construction Panel

The Saskatchewan Construction Panel (SCP) is a forum for the 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, representing the construction industry and government respectively, are Mark Cooper, president of the Saskatchewan Construction Association, and Warren Michelson, MLA for Moose Jaw North.

The group had discussions about best value purchasing. Priority Saskatchewan provided a seminar on Government Procurement Transformation, which provided information on buying based on best value as compared to best price. This seminar was made available to government departments and private companies. The SCP established a working group which looked at ways of encouraging the government to continue to spend on infrastructure in tight economic times. This would lower the “peaks and valleys” in year-to-year construction spending.

Respectfully submitted,

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

Image and Identity Board

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 composed of the committee Chairs and Liaison Councillors from the five committees reporting through the I&I Board.

Awards Committee (Awards): The committee's mandate is to lead APEGS initiatives and programs that seek to recognize members' achievements. The committee develops criteria for APEGS 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 is working on methods and means to increase nominations.

Communications and Public Relations Committee (CPR): The committee's mandate is to raise the awareness and profile of the engineering and geoscience professions within APEGS and other professional organizations, government, the business community and the public. The CPR and Edge committees have named a common committee member to maintain consistency between these two related committees. The public relations campaign was renewed in 2017 and will continue in 2018.

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 is working on improving connections with constituent societies through website and volunteer orientation module updates.

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. The Indigenous Subcommittee is working on a national initiative to create a Canadian camp of AISES. The International Subcommittee is considering chapter opportunities. Women of APEGS continues to be active with various events throughout the year.

Professional Edge Committee (Edge): 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.

Thank you to all the volunteers and APEGS staff that support the work of the I&I

Board! The vision and leadership of our Chairs and the continued effort of all the volunteers keeps this board moving forward. Our dedicated APEGS staff maintain continuity with the changing composition of the committees.

Respectfully submitted,

Stormy Holmes, P.Eng., FEC
Chair

Awards Committee

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 AC, 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 nominations. Individuals 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. The Project Award recognized a team of Saskatchewan geoscientists and engineers for an exceptional contribution to the province.

The seven awards presented at the 2017 Annual Meeting Awards Banquet were:

Outstanding Achievement - Michael T. Sulatisky, P.Eng.

Brian Eckel Distinguished Service Award - Dwayne A. Gelowitz, P.Eng., FEC, FGC (Hon.)

McCannel Award - Rick B. Kullman, P.Eng., FEC, FGC (Hon.)

Promising Member Award - Michael S. Nemeth, P.Eng.

Outstanding Engineering/Geoscience Project - Saskatchewan Geological Survey: Saskatchewan Geological Atlas

Environmental Excellence - Saskatchewan Power Corporation: The Industrial Energy Optimization Program

Friend of the Professions - Norman Sacuta

In recognition of noteworthy service to the professions, nine APEGS members were bestowed with the title of Fellow of Engineers Canada (FEC) or Honorary Fellow of Engineers Canada, FEC (Hon.) and two APEGS members were bestowed with the title of Fellow of Geoscientists Canada (FGC) or Honorary Fellow of Geoscientists Canada (FGC (Hon.)).

2017 was the fourth year APEGS has provided member education grants. The grants provide financial support to APEGS members furthering their education in graduate studies at either the University of Regina or the University of Saskatchewan. The Awards Committee was extremely pleased to award six grants of \$7,500 each.

Special appreciation goes to the volunteers and the APEGS staff for their continued support of the Awards Committee.

Respectfully submitted,

Bryan Schreiner, P.Eng., P.Geo., FEC, FGC
Chair

Connection and Involvement Committee

The Connection and Involvement Committee (C&I) provides added service to the members of APEGS through:

- Planning of the Annual Meeting Professional Development Conference and networking activities;
- Annual salary survey;
- Volunteer orientation and recognition activities;
- Review of the constituent society grants; and
- Development and maintenance of membership benefits and affinity programs.

The APEGS 87th Annual Meeting and Professional Development Conference was held in Regina from May 4th to 6th with a theme of *Celebration of Unity-Two Professions Working Together*. 2017 marked the 20th anniversary of our professions of engineering and geoscience working together in Saskatchewan. Activities included a welcome event at the Saskatchewan Science Centre, tours, a professional development luncheon with keynote speaker Philip Currie, an internationally renowned palaeontologist, and CPD plenary and professional development track sessions on various topics such as the History of the Iron Ring, Landfill Gas to Energy and 30 by 30 Women in the Professions.

The C&I continues to deliver the annual salary survey to provide APEGS members with salary baselines under several categories. The survey polls APEGS members regarding their base salary for the year, bonuses received, hours worked, education, work duties and other factors that may be related to salary. The information is compiled and the results are posted in The Professional Edge and on the website in May/June of that year. In 2018, the C&I will continue to investigate the possibility of an employer salary survey.

APEGS volunteers play a significant role in the activities and tasks of APEGS. To show gratitude for the many hours volunteers give, the C&I planned and held the third annual Volunteer Appreciation Event in partnership with the Professional Development Committee's Fall Professional Development Days. The C&I focused on showing appreciation to APEGS volunteers by hosting an enjoyable evening of appetizers, networking and entertainment in addition to covering the costs for active APEGS volunteers to attend the Fall Professional Development Days sessions.

Members have the opportunity to be a part of a local constituent society where members gather by location or discipline. The C&I manages the APEGS grants

provided to these active constituent societies and is currently looking into ways to increase member awareness of their local constituent societies.

The C&I will be reviewing the new member welcome packages to improve the information provided, such as member benefits, constituent society information and volunteering opportunities. The C&I is also working on improving the volunteer management system.

Respectfully submitted,

Jaylyn Obrigewitsch, P.Eng.
Chair

Professional Edge Committee

The Professional Edge Committee mandate is to publish current and relevant articles regarding subject areas of interest to the Saskatchewan community of professional engineers and geoscientists 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 and articles. Each edition focuses on a central theme that relays at least one unique aspect of engineering or geoscience in Saskatchewan. It is the committee's intent to provide a balanced perspective regarding the articles contained in the publication and to engage as many different areas of interest as possible among the large and diverse membership. It is the committee's intent that each issue contain relevant material for all readers. To this end, the committee invites members' feedback and ideas for articles to be included in the publication. Publications for 2017 included the following themes:

- Profiles in Achievement (January/February)
- Geoscience (March/April)
- Annual Meeting (May/June)
- Climate Change (July/August)
- Water (September/October)
- New Branches of Engineering and Geoscience (November/December)

The Professional Edge remains a print magazine and is accompanied by a mobile electronic version called the *eEdge*. The *eEdge* editions 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 to make all past issues of the Edge available electronically. Watch the APEGS website for the historical archive of engineering and geoscience in Saskatchewan. A combination of both the print and electronic versions of the publication will continue to be used for *The Professional Edge* for the next few years. Members are encouraged to share their thoughts regarding the publication with the Edge Committee—send email to apegs@apegs.ca or call the APEGS office.

This year the committee solicited interest from over 100 members who are registered on the APEGS volunteer database and had expressed interest in volunteering for the Edge Committee. Of the members who had expressed interest in the Edge Committee, three members were recommended to the

Image and Identity Board for membership. 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 volunteers and the writing and editorial skills of Martin Charlton Communications. The committee expresses its gratitude to all the APEGS staff for their ongoing support.

Respectfully submitted,

Robert Schultz, P.Eng., FEC
Chair

Communication and Public Relations Committee

The Communication and Public Relations (CPR) Committee reports directly to the Image and Identity Board and works in partnership with other committees within APEGS to raise the awareness and profile of both our professions and our association within the following audiences: general public, business, governments and politicians, APEGS members and other professional organizations.

The committee contributes to the development of a multimedia project as a means of reaching our target audiences. The “We See More” campaign, initiated in 2013, incorporated the two sub-messages of “prosperity” and “safety,” and continued in 2017. This multimedia campaign featured 30-second television commercials together with strategically placed billboards. Additionally, Internet pre-roll and banner-style ads were incorporated into the campaign.

The 2017 campaign incorporated four “explainer” style television commercials with the themes of mechanical, electricity, water and mining. The campaign is concentrated in two flights annually, one during Engineering and Geoscience Week in March and the second in early fall. The CPR Committee conducts 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 will improve the productivity of the APEGS staff and the volunteer committees while making it easier for engineers and geoscientists to interact with the Association. The front end design work will improve the layout and flow of the website to better serve the members, future members and the public in general. While the website went live in January 2014, there are still developments to be rolled out.

The committee has been well served in 2017 by all volunteer members who have generously contributed their time and talents. I extend a special thank-you to our former committee members for their contributions. I would also like to thank Martin Charlton Communications for their enthusiasm and initiatives and the APEGS staff, who have helped immensely with assisting this committee in its endeavours.

Respectfully submitted,

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

Equity and Diversity Committee

The Equity and Diversity Committee (E&D) 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 E&D membership is purposefully selected to represent the diversity of individuals practising in our profession. The main committee meets approximately once per quarter to coordinate the activities of the subcommittees, provide resources to ensure subcommittee work is effective and ensure subcommittee alignment with the directions set by the Image and Identity Board and Council.

In 2017, our subcommittees focused on partnering with similar-minded organizations to provide more effective results for the membership. Currently the E&D includes:

- Women of APEGS Subcommittee
- Indigenous Persons Subcommittee
- International Subcommittee

During 2017, the E&D has continued to use the Initiatives and Action Roster as a guidance document which allows our committee to continually check the strategic objectives which have been set by Council. After using this tool for the last couple of years, our committee and subcommittees are tracking initiatives, identifying individuals responsible to manage the initiatives, prioritizing initiatives and determining the effort required to achieve meaningful results.

The Women of APEGS Subcommittee has continued to lead and support several other industry and professional organizations with specific goals to provide a more inclusive and welcoming environment and to promote and encourage women to enter and remain in the professions. This past year has included supporting the 30 by 30 initiative (a project to achieve 30 per cent females in the professions by 2030), and participating at networking events such as Women in Mining (WiM) and the Gender Summit in Montreal. Working with other organizations, both in Canada and the United States, will continue to be a focus for 2018.

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

Education Board

advancing programs for indigenous people in sciences in North America. Based on the AISES model, the subcommittee is leading the formation of a Canadian version in 2018.

The International Subcommittee will once again organize orientation sessions in May in conjunction with the APEGS Annual Meeting. This event has been well received and well attended by international graduates looking to become members of APEGS. The subcommittee continues to explore ideas to provide support to our members in this category. The subcommittee is investigating starting ethnic chapters in Saskatchewan in 2018.

The E&D Committee recognizes APEGS staff for their help with the committee initiatives in 2017 and looks forward to continued results in 2018.

Respectfully submitted,

Peter Zrymiak, M.Sc., P.Eng.
Chair

The APEGS Education Board consists of the K-12 Committee, the Student Development Committee, the Professional Development Committee and the Environment and Sustainability Committee. This year we initiated a review of the terms of reference of each committee along with the terms of reference for the Education Board. Our goal was to ensure that the mandates of the committees were in line with the role and mandate of APEGS as well as ensuring the terms of reference of the Education Board reflected the terms of all four committees. This work is ongoing and has extended to a review of the organizational structure of the boards and committees of APEGS with the assistance of our Manager of Communications.

The K-12 Committee was busy this year and experienced challenges with finding enough volunteers to fulfill all of the opportunities that developed to engage grade school children in the role of APEGS and the professions in society. K-12 will continue to be important in regards to initiatives such as 30 by 30 and engagement of indigenous students.

The Student Development Committee has again represented APEGS in our support of students at the University of Saskatchewan and University of Regina. APEGS supports students in the four programs, engineering and geoscience at both universities, through per capita funding that students direct and through sponsorship funding that the Student Development Committee directs. The Student Development Committee attempts to allocate sponsorships funds such that professional development opportunities are maximized. Typical priority sponsorship activities include international student design competitions and attendance at key conferences with reporting back to the home university. This year APEGS was honoured to allocate \$18,750 of per capita funding and \$91,500 of sponsorship funding to assist engineering and geoscience students at the two universities.

The Professional Development Committee had a particularly busy year, with the planning of the Professional Development Days as well as leading the Continuing Professional Development changes to the APEGS bylaws. The CPD changes are important to the professions and we thank the committee for their hard work and leadership on this initiative.

The Environment and Sustainability Committee monitors and investigates environmental and sustainability issues that have the potential to impact the professions through the way we practise or through the public's expectation of the professions. The committee is key in regards to providing solutions to members that will assist them in adopting practices that resolve these issues.

Professional Development Committee

The relatively recent court rulings related to reliance on historical meteorological data and the development of the Engineers Canada PIEVC Protocol is an example of an issue with profound impact on the professions and public and environmental safety, along with a tool to assist practitioners to resolve this issue.

It has been my pleasure to serve as the Chair of the Education Board this past year and witness all the dedication and hard work of these committees and their members.

Respectfully submitted,

T.A. (Terry) Fonstad, Ph.D., P.Eng., P.Ag., 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 offering members various opportunities to obtain professional development credits, and we educate members on the requirements of the Continuing Professional Development (CPD) Program and the need to stay current in their chosen field of practice.

The committee's efforts for 2017 focused on the proposal for required reporting of CPD activities by members. A rebrand with new content of the CPD Program with mechanisms for members on leave was created, along with inputs for the Regulatory Bylaws. I would like to recognize the committee members for the work and meetings attended over the summer which was necessary to complete the proposal and revised program.

As part of members' awareness on the importance of reporting CPD activities, articles were published throughout the year in The Professional Edge, and more than a dozen roadshow presentations were made to various employers and interest groups.

The spring and fall Professional Development Days continue to be at the core of the PDC's activities as they provide the membership with an opportunity to participate and obtain CPD credits at a cost much lower than fair market value. Member feedback on sessions attended is highly valued as it provides guidance on planning future events. Committee members also participated in both Law & Ethics Seminars and on the Annual Meeting Planning Committee.

On behalf of the committee, I wish to thank the APEGS office staff for their invaluable help with meetings and other activities.

Respectfully submitted,

Sebastian Walrond, P.Eng., PMP
Chair

Student Development Committee

The purpose of the Student Development Committee (SDC) is to promote APEGS to engineering and geoscience students at the university level by sponsoring student-run events. Some of the largest events sponsored by the SDC include the 2018 Western Inter-University Geological Conference and the 2018 Canadian Mining Games. A full list of sponsored events can be seen in the included table.

In 2017 the SDC acted on its Initiatives and Actions Roster as part of the APEGS Value Proposition (AVP). Highlights from the AVP include the Earth Ring Ceremony and creating the Student Engagement Subcommittee.

The Student Engagement Subcommittee came to be by following up on the 2016 survey to gauge university students' awareness of APEGS. The subcommittee is responsible for hosting and participating in industry-run events with the goal of encouraging students to register with APEGS upon graduation. The SDC looks forward to supporting the Student Engagement Subcommittee in the years to come.

In an effort to promote and increase APEGS awareness among geoscience students, the SDC has been looking into bringing the Earth Ring Ceremony to Saskatchewan universities. The Earth Ring Ceremony is similar to the Iron Ring Ceremony and was started in Alberta in 1975.

The SDC is always looking for opportunities for APEGS members to engage with university students. In the near future, the SDC will be looking into student memberships with APEGS and a way to include more geoscience students in engineering events.

I would like to thank the members of the SDC, whose names appear elsewhere in the report. A special thank you to our retiring Chair and to Delee Silvius, P.Eng., staff liaison, and APEGS supporting staff member for the SDC.

This was my first year as the Chair for the SDC and I look forward to another exciting year in 2018.

Respectfully submitted,

Colin Pitman, P.Eng.
Chair

GROUP	GRANTS	SPONSORSHIP
Saskatoon Engineering Students' Society	\$8,725 CFES Conference on Diversity in Engineering Western Engineering Competition CFES Presidents Meeting WESST Executives Meeting WESST AGM and Retreat CFES Congress Saskatoon Engineering Competition	\$58,100 Western Engineering Competition The Canadian National Steel Bridge Competition Alberta Energy Challenge ASABE ¼ Scale Tractor International Student Design Competition 2018 SAE CDS Aerodesign East IEEE Illumination 2018 UofS Space Design Team (CIRC) UofS Space Design Team (URC) ENVESS Industry Tour Formula SAE Michigan 2018 IEEE Calgary Trip 2018 World Mining Competition EWB Gala Canadian Mining Games
Regina Engineering Students' Society	\$6,600 CFES Congress CFES Presidents Meeting 2018 Conference on Diversity in Engineering Regina Engineering Competition WESST Executives Meeting	\$34,300 Western Engineering Competition RESS 50th Anniversary Homecoming Weekend Conference on Diversity in Engineering Global Engineering Competition (4th Annual) Baja SAE International - Baja Competition Engineers Without Borders National Conference Great Northern Concrete Toboggan Race (GNCTR) Honour Pin Ceremony IEEE – UofR Youth Robotics Competition EWB – URegina Energy Futures Lab Year 1-4 Reception National Engineering Week WESST AGM & Retreat Mental Health First Aid Training SPE UofR – Aquistore and Boundary Dam Tour SPE UofR – Annual Technical Conference RESS Council Transition REEF Official Launch IEEE Code Nights IEEE Industry Mixer IEEE Youth Outreach REEF Annual General Meeting CSCE Career Nights

K-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. Year 2017 was very busy for the K-12 Committee. The Committee attended/supported the following events:

The STEAM-2017 festival was held at the University of Regina in May 2017. The K-12 Committee approved \$2,500 to be a silver sponsor for APEGS presence, which included an APEGS booth at the event as well as a member being on the STEAM planning committee.

The K-12 Committee attended the science fair at the First Nations University in March 2017 and the Canada-Wide Science Fair at the University of Regina in May 2017. The committee also sponsored \$1,500 to the Saskatchewan Association of Science Fairs.

Cardboard boat races were held over 13 days between May 16 and June 16, 2017 at the Harry Bailey Aquatic Centre in Saskatoon. As many as 2,500 students from grade 7 and 8 participated in this event. Teams of students spent the morning building their boats made of cardboard, duct tape and masking tape, then raced them in the afternoon. An essential part of this event was the judging of the construction and design of the boats and timing of the races, for which volunteers were needed. APEGS has been providing volunteer judges for this event for 10 years. To continue the tradition, this year APEGS filled 25 judging spots.

The committee worked with Evan Hardy High School media studies students to create a career video that highlights opportunities that are available in engineering and geoscience. Teams of students interviewed different APEGS members, asked them questions about their educational background, work experience and career advice. To recognize everyone's efforts and as a thank you gesture, APEGS made a donation in the amount of \$1,500 to the media school at Evan Hardy to buy equipment, offered a pizza lunch to the team that contributed to this project and handed over gift cards to the interviewees as a token of appreciation.

The K-12 Committee is a part of the 30 by 30 Task Group. Together they have attended the following events:

- The Canadian Institute of Mining (CIM) Saskatoon Student Chapter event, "Diversity in Mining," and presented a 10-minute PowerPoint presentation regarding diversity in engineering and geoscience with a focus on the 30 by 30 initiative.

- The Canadian Light Source Teacher PD Day in August 2017. APEGS had a booth and held a 30 by 30 luncheon for the teacher PD workshop.
- In May 2017, 16 girls from grades 7 and 8 attended the SciFi Discover Girl Conference. The 30 by 30 Task Group held a luncheon on Sunday and sponsored three girls from La Ronge to attend this conference. A K-12 Committee member coordinated with the SciFi organizer to set up a luncheon and sponsorship. APEGS representatives had small talks on their experience with engineering and had hands-on activity with Kapla blocks.

During the year, the K-12 Committee sponsored financial assistance to various student groups, organizations and educators in the province. Some organizations that benefited are STEAM 2017, EYES Science Camps (UofR), Sci-Fi Science Camps (UofS), Sask Geo Society, St. Michael School in Weyburn, Rossignol High School in Île-à-la-Crosse, BrainSTEM Alliance Ltd., Saskatchewan Scholastic Chess Agenda and Winston Knoll Collegiate Science Expo.

We invite interested APEGS members to join and assist the committee in continuing current initiatives as well as to develop the numerous projects that will be rolled out in the coming years to attract students to make their careers in engineering and geoscience.

I truly appreciate the support of all the members of the K-12 Committee, the Liaison Councillor and APEGS staff and volunteers who devoted their time and efforts in various activities throughout the year. The K-12 Committee also thanks other committees and task groups for their collaboration on various projects. We look forward to another busy and successful year in 2018.

Respectfully submitted,

Rajesh Shah, P.Eng.
Chair

Environment and Sustainability Committee

The Environment and Sustainability Committee promotes environmental and sustainability considerations in the practices of APEGS members by facilitating opportunities to raise awareness of related issues, knowledge and tools. Committee members work in diverse industries across Saskatchewan, which provides a broad range of expertise. The committee reviews current environmental issues to determine where it can provide leadership to the APEGS membership on safeguarding the environment and the public interest.

The committee liaises with Engineers Canada and Geoscientists Canada on matters related to the environment and sustainability.

In 2017 the committee continued providing articles to The Professional Edge on solar energy, greenhouse gas emissions in uranium mining and milling, climate change mitigation and adaptation and indigenous and scientific ways of knowing nature. The committee also arranged for speakers on climate change for the spring and fall Professional Development Days. Liaison continues with other APEGS committees to promote the incorporation of environmental awareness into other APEGS learning opportunities.

Respectfully submitted,

Dianne E. Allen, P.Eng.
Chair

University of Saskatchewan Senate

The Senate of the University of Saskatchewan is one part of its tricameral governance structure, in which the Senate (public issues), University Council (academic issues), and Board of Governors (financial issues) provide oversight and guidance to the university administration.

The Senate is made up of 119 elected and appointed members and meets twice annually, in April and October. Elected members are chosen by alumni, both regionally and at large. Appointed members, such as your APEGS representative, are chosen by their organization or nominated by government or the university and approved by the Senate.

There are six committees of the Senate, and the Chancellor of the university is the Chair. Committees include Executive, Membership, Nominations, Education, Honorary Degrees, Round Table on Outreach AND Engagement. The current Chancellor, Roy Romanow, was appointed in 2016, succeeding Blaine Favel.

Highlights of Senate and university activities in the last year are summarized as follows:

Roughly 60 per cent of senior administration and academic positions have changed in recent years, which is seen as revitalizing. Notable among recent new positions:

- Tony Vannelli, P.Eng., Provost and Vice-President Academic
- Suzanne Kresta, P.Eng., Dean of the College of Engineering
- Jacqueline Ottman, Vice-Provost – Indigenous Affairs
- New deans in Arts and Science, Dentistry, Nursing, Edwards School of Business and Library.

Enrolment of women in the College of Engineering is up modestly year over year at 22 per cent.

Total enrolment in the College of Engineering is down slightly year over year at 1,658 undergraduates and 393 graduates.

Total enrolment at the university was up 2.3 per cent in 2016-17 to 24,571 with an 8.2 per cent increase in indigenous students to 2,979. Fall census suggests the 2017-18 enrolment is again up by 1.8 per cent.

A 5.6 per cent reduction in provincial operating grant had to be absorbed.

Research funding was up significantly, measured at 25.6 per cent above the national average.

The university is well placed as a shortlisted candidate for one of the federal government supported (\$950 million fund) “Super Cluster” innovation hubs, related to their prairie region protein proposal.

The Global Water Futures Program, led by the university, is the largest international freshwater research arrangement of its kind and it recently announced 21 new projects with a budget in the order of \$10 million.

Accreditation visits for professional colleges other than the College of Engineering have been ongoing and positive early results are being reported.

President Peter Stoicheff has established a Sustainability Council to advise on the advancement of the university sustainability agenda.

A new university plan is in development and is expected to be finalized and initiated in 2018.

Following on the stated Mission, Vision, and Values:

- Encouraging Creativity
- Seeking Reconciliation
- Building Connections
- Valuing Diversity
- Living Sustainably,

it leads to the 2025 strategic framework and a new campus master plan.

Memorandums of understanding are in place or in development with: the Build Saskatchewan Alliance for post-secondary education co-operation, reducing duplication in services and promoting the internationalization of education; FSIN, for improved academic success for First Nations students; Saskatoon Symphony Orchestra, for music and community; Remai Modern Gallery, for the arts and community; City of Saskatoon, for co-operative growth, a first in Canada.

The Order of Canada will be bestowed upon Dr. K. Nasser, P.Eng. and Harold Orr, P.Eng.

Mike Marsh, P.Eng., President & CEO of SaskPower, is the 2018 C.J. McKenzie Distinguished Lecturer.

The 100th anniversary of the alumni association and Canada’s 150th were appropriately celebrated.

Respectfully submitted,

Bert Munro, P.Eng., FCSCE, FEC, FGC (Hon),
FCSSE
APEGS Representative to the University of
Saskatchewan Senate

University of Regina Senate

The University of Regina Senate is made up of approximately 100 members, including university officials, government officials, heads of federated or affiliated colleges, deans, elected representatives of 12 electoral districts, students and representatives appointed by numerous external organizations such as APEGS. 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. 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 UofR Council on those areas for which Senate decisions are required.

The University of Regina Senate met three times in 2017. A number of the year's highlights are summarized below.

The enrolment data presented below are a comparison of head count (registered students) on December 5, 2017 (the last day of classes in the fall 2017 term) compared to the end of the day December 6, 2016. Students are once again attending the University of Regina in record numbers.

The total head count for the university system, including federated colleges and graduate studies, is 15,147 students. This equates to a 3.0 per cent increase over the previous year, or 444 additional students.

The federated colleges have head count increases of 5.8 per cent for Campion College, 7.2 per cent for First Nations University of Canada, and 16.1 per cent for Luther College.

The undergraduate head count for the university system, including the university's federated partners, is up 431 students, or 3.4 per cent.

The graduate student head count for the university system has increased by 13 students. This is a 0.7 per cent increase over last year.

Notable among faculties are a 16.5 per cent head count increase in Media, Art and Performance, a 14.1 per cent increase in Science, a 7.3 per cent increase in Social Work and a 7.9 per cent increase in Kinesiology and Health Studies.

Engineering enrolment decreased by 5.5 per cent to 1,303 students.

Spring Convocation took place in June 2017, with 2,092 students graduating, including 211 engineering students. Fall Convocation took place in October 2017, with 776 students receiving their degrees, certificates and diplomas, including 53 engineering students.

The university managed to balance its 2017-18 budget, in spite of nearly \$7 million in provincial government funding cuts. The \$216.5 million budget is the university's 23rd consecutive balanced budget. As part of the budgeting process, the university had to lay off eight employees and eliminate 11 vacant positions. Student tuition and fees have been increased by 2.5 per cent (the lowest increase since 2008-09). Scholarship funding was cut 38 per cent. Reductions ranged from 1 to 5 per cent across 19 administrative and academic units. The Faculty of Engineering and Applied Science was one of four units exempt from reductions.

Active construction projects at the University of Regina for 2017-2018 represent \$182 million in economic activity and will generate more than 1,000 jobs over the course of development and construction. The College Avenue Campus Renewal Project is progressing on schedule and budget. Darke Hall will require approximately \$3 million in funding to complete its interior restoration.

During the summer, the university signed a memorandum of understanding with the University of Saskatchewan and Saskatchewan Polytechnic to create SASK Alliance, an initiative to collaborate on the internationalization of higher education in the province. In September, the university and Saskatchewan Polytechnic expanded their existing agreement that allows students with a Saskatchewan Polytechnic certificate or diploma to transfer into certain University of Regina undergraduate programs.

Recruitment continues for internally reallocated Canada Research Chairs in Subsurface Flow (Petroleum Systems Engineering), and Power Systems Control and Protection (Electronic Systems Engineering).

An appointment has not yet been made to the SaskPower Clean Energy Chair which will be housed in the Faculty of Engineering and Applied Science.

Planning continues for the 2018 Congress of the Humanities and Social Sciences that will be held at the University of Regina from May 26 to June 1, 2018. The Congress will bring more than 7,000 people to campus for what is Canada's largest academic conference.

The Faculty of Engineering and Applied Science is preparing for the CEAB accreditation process. The accreditation visit is expected to occur near the end of November or early December 2018.

Dr. Vianne Timmons was reappointed as University of Regina President and Vice-Chancellor for a third five-year term which will commence on July 1, 2018.

President Timmons has been appointed as an Officer of the Order of Canada. The appointment was announced on December 29, 2017 by Her Excellency the Right Honourable Julie Payette, Governor General of Canada.

Dr. Esam Hussein has accepted an offer of a second five-year term as Dean of Engineering and Applied Science. The appointment is effective July 1, 2018.

Dr. Christine Chan, a professor in the Faculty of Engineering and Applied Science, was inducted as a Fellow in the Canadian Academy of Engineering.

APEGS member Patti Kindred, P.Eng., FEC, was elected as UofR Senate representative for District 2 (Weyburn-Indian Head).

Dr. Ng of the Faculty of Engineering and Applied Science won the 2017 UofR President's Award for Teaching Excellence.

Dr. Paranjape of the Faculty of Engineering and Applied Science and his team were given the Innovation Award at the Chamber of Commerce Paragon Awards, for their work on the HetNets with SaskTel.

Dr. Luigi Benedicenti is leaving the Faculty of Engineering and Applied Science on June 30, 2018 to join UNB as Dean of the Faculty of Computer Science after close to 20 years of service to the UofR.

Dr. Dena McMartin has left the Faculty of Engineering and Applied Science to join the UofS as Director of Research Services and Assistant Vice-President Research after approximately 13 years of service to the UofR.

A team of students from the Faculty of Engineering and Applied Science won a major design competition. Emma Fraser (Environmental Engineering), Kaylee Hayko (Industrial Engineering), Tennille Kowalchuk (Environmental Engineering) and Kailey Lowe (Industrial Engineering) finished first in the junior design division at the 2017 Western Engineering Competition held in Banff. They then represented the University of Regina at the Canadian Engineering Competition at the University of Calgary in March.

For the second year in a row, the team including Caleb Friedrich, Joshua Friedrich and Sam Dietrich – now alumni of the Faculty of Engineering and Applied Science – won the AgBot Challenge in Indiana. The competition involved designing an unmanned robotic device that is able to selectively fertilize crops and eradicate weeds.

UofR student Adam Richard Tilson was the recipient of the 2017 APEGS Gold Medal Award for Engineering.

Respectfully submitted,

Rick Kullman, P.Eng., M.Sc., FCSCE, FEC,
FGC (Hon.), FCSSE
APEGS Representative to the University of
Regina Senate

Engineers Canada

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 to advance the profession in the public interest.

In early 2017, Engineers Canada began the process of selecting a new CEO after the departure of Kim Allen. Stephanie Price was appointed interim CEO and guided the organization through a very active 2017. The search for a new CEO progressed throughout 2017 with an announcement of the new CEO expected in early 2018.

With some ongoing dissatisfaction by the provincial regulators who are the owners of Engineers Canada with the governance of Engineers Canada, the board determined that it was a good time to enact some changes to the governance of Engineers Canada and abandon the Carver Model of policy governance in favour of a governance method that better reflected the needs of the owners. The governance and strategic planning consultation process (GSPC) was created to determine a better method of policy governance that would allow for more input by the owners in the direction and actions of Engineers Canada and allow the board more control and interaction with the CEO.

The GSPC project involves three primary components: the creation of a new policy governance process custom tailored to Engineers Canada and its owners; a new strategic planning process to ensure that the actions of Engineers Canada reflect the needs of its owners; and a detailed consultation program to ensure that Engineers Canada meets the ongoing needs of its owners through the governance renewal and in the creation of the strategic plan.

Renewal of the governance policies occurred throughout 2017, culminating with a detailed governance consultation with all regulators in the fall. The consultation was on the restated purposes of Engineers Canada along with the responsibilities of the board, the staff and the owners.

Late in the year, a new three-year strategic planning process was initiated. It is envisioned that a 100 per cent plan be determined and that only actions noted on the plan be undertaken unless otherwise approved of by the owners. The plan is currently being developed with a consultation with the owners planned for March and April 2018.

It is anticipated that the new governance policies and strategic plan will be

ratified by the owners at the 2018 Annual Meeting of Members to be held in Saskatoon.

Response to the GSPC process has been very positive and Engineers Canada is looking forward to completion of this significant initiative.

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

In 2016, a number of issues caused friction between the CEAB and the National Council of Deans of Engineering and Applied Science (NCDEAS). In 2017, progress has been made on two fronts which are resulting in the improvement of the relationship between the CEAB and NCDEAS.

The first of the initiatives is the creation of the AU Task Force which is holding discussions on how alternatives to standard accreditation units (AUs) can be used to evaluate course content. AUs have traditionally been determined based upon the number of hours of instruction in classes or labs. The task force is assessing methods used to evaluate course material from non-traditional learning approaches such as work placements, online courses, etc. Work is progressing well with a report expected in early 2018.

The second initiative is the Accreditation Improvement Project (AIP). The objective of the AIP is to streamline the amount and type of data needed for the accreditation of engineering programs as well as the entry and reporting of the data. In 2017, the AIP began the process of evaluating and procuring a data management system to provide efficiencies for both the universities and the reviewers involved in accreditation visits.

Even with the ongoing changes to the accreditation system, a large percentage of the engineering programs being reviewed are still receiving accreditation for the longest term possible.

The Canadian Engineering Qualifications Board (CEQB) develops national guidelines on the qualifications, standards of practice, ethics and professional conduct expected of Professional Engineers. The CEQB is also responsible for the Engineers Canada examination syllabus and the Engineers Canada International Institutions and Degrees database. The associations use the syllabus and database as guides to develop appropriate suites of technical engineering examinations for international engineering graduates seeking licensure in Canada in order to ensure those individuals meet the standards for admission into the Canadian engineering profession. The CEQB has conducted an internal review of relationships, reporting structure and priorities and is acting on a work plan approved by the Engineers Canada board. The work of the CEQB remains well aligned with the needs of the regulators across 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. It also enables policy-makers to access the expertise of the engineering profession. Communications highlight the need for the government to help municipalities build capacity to properly assess the resilience of infrastructure projects to a changing climate, and provide information on many projects and publications that Engineers Canada has contributed to, such as the Public Infrastructure Engineering Vulnerability Committee Protocol and the Engineering 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. Engineers Canada Director Sarah Deveraux has been appointed the champion.

The Engineers Canada website (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 both interesting and memorable. In 2017, I completed a term as Chair of the Audit Committee and began a term on the Executive Committee at the May Annual Meeting.

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 appointed director.

Respectfully submitted,

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

Geoscientists Canada

Geoscientists Canada (geoscientistscanada.ca) is the national organization whose purpose is to engage with and facilitate co-operation among its members, who are the self-governing professional associations (constituent associations - CA) that regulate the profession of geoscience in each of the jurisdictions in Canada. Quebec is presently not a member. Geoscientists Canada coordinates development of high national standards of admissions, competency, practice and mobility to ensure that Canada and the public interest is served by a skilled, reputable and accountable geoscience profession. Geoscientists Canada represents the CAs nationally and internationally. In Saskatchewan, practising geoscientists are required to register with APEGS, and the designation "P.Geo." can only be used by geoscientists who are licensed members in good standing.

At the Annual General Meeting held in Yellowknife, Jeff O'Keefe, director from Newfoundland and Labrador, became president, taking over from Hendrik Falck (Northwest Territories and Nunavut). Mark Priddle, director from Ontario, was elected as the president elect and Ganpat Lodha of Manitoba was reappointed as the treasurer. New directors appointed were Kevin Ansdell (Saskatchewan, replacing John Pearson), Colin Yeo (Alberta) and Michael Parkhill (New Brunswick).

The Canadian Professional Geoscientist Award winner for 2017 was Frances Hein, P. Geol., nominated by APEGA.

The revised terms of reference for the Canadian Geoscience Standards Council (CGSC) were approved in 2017. Formerly known as the CGSB (board), it is a standing committee of Geoscientists Canada, and provides guidance to the CAs on matters relating to academic and practice requirements for professional registration. An objective is to encourage the adoption of common standards for geoscience registration to facilitate the transfer of members of the CAs from one jurisdiction to another in Canada. The new representative for Saskatchewan is Janis Dale.

The work plan for 2017 built on the 2014 "Moving Forward Document" and the priorities identified by the CAs. The work was divided into activity that is solutions focused (directed at consistency of admissions), and awareness/advocacy focused (directed at improving recognition of geoscience as a profession).

Solutions Focused

Geoscientists Canada submitted a revised proposal (Admission Support Tools (AST) Project – Phase II) to Economic and Social Development Canada (ESDC) on 24 August 2017. The proposal is designed to develop tools to support CAs in their registration of geoscientists as follows: a) an online self-assessment tool and b) establish a more flexible, transparent and streamlined method of assessing professional experience through the development of competency indicators. The online assessment tool is largely to aid internationally trained geoscientists in navigating the assessment process for registration as a P.Geo. in Canada. The second objective is to modify the assessment process of professional experience given that the experience review system may be moving towards a competency-based assessment. The two-year \$589,000 project was approved in December 2017, and the work will start in 2018. The utility of the "Geoscience Knowledge and Experience Requirements for Professional Registration in Canada" (GKE) document was reviewed by the CAs and deemed to require some minor updating, but any major changes would depend on the results of the AST-Phase II project. The CGSC will focus on these projects in 2018.

With the support of CEOs of the constituent associations, a task force examined the idea of establishing a geoscience practice council. Professional practice guidelines available on the websites of CAs were collated, and a new council could be a forum to share best practices. There will be continued discussion at board meetings to determine whether national issues might require the formal establishment of a new standing committee.

Awareness/Advocacy Focused

The "Geoscientists-in-Training (GIT) Program Information Guide" was completed and printed in 2017, and copies were distributed to CAs and all universities in Canada. The document was designed as a reference guide for GITs as they gain the appropriate academic and work experience prior to becoming a practising Professional Geoscientist. Of note is that the only GIT highlighted in the guide is from Saskatchewan.

The Qualified Persons ("Your Career and Public Reporting") short course, developed by the Securities Committee in 2016 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 requirements of NI 43-101 and NI 51-101. This course is

designed to be of value to students, but as a useful refresher for practising Professional Geoscientists. It was offered in Saskatchewan and Manitoba in 2017.

Geoscientists Canada, with the support of the Canadian Federation of Earth Sciences, is preparing a booklet entitled “Geoscience for Society” (G4S) which provides insight into the role geoscience plays in society, including but not limited to the economy, energy, minerals, water, engineering, environment, geo-hazards and climate, using Canadian examples. It is designed to be accessible to decision makers at all levels. The development of the text, imagery and design is well advanced and has involved input from external reviewers and representatives of CAs. The booklet will be released at the Resources for Future Generations (RFG) Conference in Vancouver in June 2018 (rfg2018.org/). During 2017, Geoscientists Canada, as a technical partner in the organization team for the conference, successfully proposed numerous sessions in the “Resources and Society” theme and are soliciting abstracts for the sessions. The RFG 2018 conference will include sessions on geo-ethics and professionalism, which has become increasingly important nationally and internationally. Three refereed papers covering these topics have been published in Geoscience Canada, a journal of the Geological Association of Canada, expanding on presentations at the 35th International Geological Congress in Cape Town, South Africa, in 2016.

In 2017, Geoscientists Canada joined the Partnership Group for Science and Engineering (PAGSE), which organizes meetings in Ottawa in which scientists can interact with decision makers at the federal level. They also provided sponsorship to the Geological Association of Canada-Mineralogical Association of Canada Conference in Kingston (May), and the Exploration 17 Conference in Toronto (October). Representatives of Geoscientists Canada have been involved in meetings with European Federation of Geoscientists concerning: (1) the Canada-European Union Trade Agreement to provide perspectives on professional registration; and (2) the EU-funded INTRAW (International Raw Materials Observatory) Project, which is designed to develop new co-operation opportunities between the EU and technologically advanced countries with a focus on the raw materials sector. Geoscientists Canada is also a member of the International Union of Geological Sciences Task Force on Global Geoscience Professionalism, and a focus at present is to examine continuous professional development processes around the world.

Chief Executive Officer Search

Oliver Bonham, P.Geo, will be retiring in the spring of 2018. The structure of the search committee, a competitive hiring process and an updated job description were approved at the June 2017 board of directors meeting. The final deadline for receipt of applications was October 3, 2017, and seven applicants shortlisted by the search committee were interviewed during the last few weeks of 2017. The plan is for the new CEO to be in place prior to the retirement of the present CEO to allow for a smoother transition, and a recommendation was to be provided to the board for approval in January 2018.

Respectfully submitted,

Kevin M. Ansdell, P.Geo., FGC, FEC (Hon.)
Director, Geoscientists Canada

College of Engineering, University of Saskatchewan

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.

I would like to begin by expressing gratitude to those who have engaged in the mission of our college over the past 12 months. In particular, I would like to thank APEGS for their contributions to renewing our college library facilities. These contributions have provided a safe and collaborative space for our students to live, learn and develop in. I would also like to thank our college faculty, staff and students for their support throughout my transition to the university. I look forward to serving as the Dean of Engineering for the next five years.

The past academic year has brought tremendous change and opportunity for the College of Engineering. We have successfully navigated challenges in our operating environment and have come out stronger by doing so. Demand for our undergraduate programs remains strong, research productivity is growing and we have made significant headway in establishing and maintaining relationships with college stakeholders. We have also progressed on many long-term projects, including a first-year redesign project, our Indigenous Peoples' Initiatives, a first-year student success initiative and an enrolment management planning process. These initiatives, amongst many others, have charted a path and created momentum for change and excellence in our college. I am excited to steer us forward.

Teaching and Learning

College Enrolment

The college renewed its strategic enrolment management plan over the past academic year. Significant progress was made towards many enrolment-related goals established in our previous plan and the college remains committed to expanding and diversifying its student body.

Undergraduate enrolment has experienced growth and fluctuations over the past five academic years (see Table A). Since 2012, total undergraduate enrolment has increased by 3 per cent. Although most of this growth has been observed in out-of-province and international students, the majority of our undergraduate students originate from Saskatchewan. In terms of diversity, female, indigenous and international student head counts are 342 (19.9 per cent), 79 (4.6 per cent) and 199 (11.5 per cent) of the undergraduate student body, respectively.

Graduate enrolment has also grown over the past five academic years (see Table A). Since 2012, total graduate enrolment increased by 7 per cent. The majority of our graduate students are of international origin (73 per cent).

The college has historically received more applications from new students than can be accepted. In response to increasing budget pressures, the college undertook a full review of the maximum capacity of all of our programs and increased our admission envelope into first year to 600 seats. We are excited about the possibilities this will bring to the province and the profession.

Table A: College Enrolment (By Geographic Origin)

Reporting Level Desc/Geographic Origin		Reporting Year					
		2011/2012	2012/2013	2013/2014	2014/2015	2015/2016	2016/2017
Undergraduate	International Origin	157	199	220	242	242	199
	Out of Province	218	226	272	305	340	358
	Saskatchewan	1,245	1,241	1,280	1,223	1,175	1,157
	Unknown			1	2	3	3
	Total	1,620	1,666	1,773	1,772	1,760	1,717
Graduate Studies	International Origin	266	291	309	296	298	340
	Out of Province	28	32	31	29	34	31
	Saskatchewan	124	110	100	84	89	92
	Total	418	433	440	409	421	463
Total		2,038	2,099	2,213	2,181	2,181	2,180

Source: University of Saskatchewan Data Warehouse

Filter: By Academic Year - Reporting Level, Geographic Origin

Note: Statistics may vary from previous years due to institutional reporting adjustments.

Academic Programs

The college continues to offer a full complement of robust and industry-relevant academic programming at the undergraduate and graduate level. This includes eight fully accredited undergraduate programs, seven graduate programs and a certificate in professional communication.

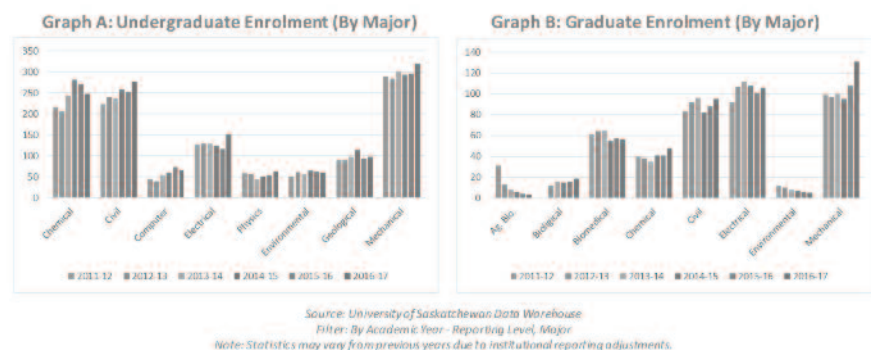
Demand for our undergraduate programs remains strong. Since 2012, we have experienced either growth or stable enrolments in each of our undergraduate programs. Our chemical, civil, electrical and mechanical engineering programs remain heavily subscribed each academic year (see Graph A). The college continues to facilitate a continuous program improvement process as we prepare for our next accreditation visit in less than three years.

Demand for our graduate programs remains consistent. Since 2012, we have experienced growth in our biological, chemical engineering and mechanical

engineering graduate programs (see Graph B). Our biomedical and civil engineering graduate programs remain consistently subscribed. The college is exploring opportunities for new academic programming, research and partnerships at the graduate level.

The college has dedicated significant resources to enhancing teaching, learning and the student experience over the past academic year. We are pleased to announce that significant progress has been made in our first-year redesign project, the focus of which is to develop an innovative, learner-adaptive and refreshed first-year curriculum.

A first-year student success program was launched in September 2016. The program is aimed at improving student transitions from high school to university. Initial student feedback has been positive, and we are excited about expanding the program over the coming years.



Faculty Appointments

The success of our college can be attributed to the outstanding faculty, staff and students who dedicate their time towards advancing engineering education and research.

We are proud to welcome six new faculty to our academic community: Professor Sarah Gauthier is an alumna of our college and brings significant industry experience in civil engineering and active engagement with a number of boards in support of indigenous community development; Dr. Amira Abdelrasoul joins us from Ryerson University and has a strong teaching and research background in chemical engineering with a research focus on membranes; and Dr. Brian

Berscheid brings a significant academic and industry experience in electrical engineering and engineering design to fill the Barbold Chair. We also welcome three faculty members in senior leadership roles: Dr. Tony Vannelli as provost and a member of the electrical and computer engineering department; Dr. Suzanne Kresta as dean and a member of the chemical and biological engineering department; and Dr. Dena McMartin as assistant vice-president research and a member of the civil, geological and environmental department.

In addition to recruitment activities, the following summarizes key faculty appointments and achievements over the past academic year:

Dr. Ernie Barber — Dr. Barber has had a long and distinguished career at the University of Saskatchewan. Amongst other roles, he served as interim dean of engineering from 2010-2013; interim provost and vice-president academic from 2014-2016; and has most recently served as President of APEGS.

Dr. Terry Fonstad — Dr. Fonstad was appointed as acting associate dean research in the College of Engineering (Jan-Dec 2018) and was elected Vice-President of APEGS.

Dr. Suzanne Kresta — Dr. Kresta began her five-year term as dean of engineering in January 2018. She was appointed as a member at large to the Canadian Engineering Accreditation Board in September for a three-year term.

Dr. Karim Nasser — Dr. Nasser, professor emeritus of civil, geological and environmental engineering, college alumnus and university philanthropist, was appointed to the Order of Canada in December 2017. Dr. Harold Orr, also an alumnus of the college, was also named to the Order of Canada.

Dr. Carey Simonson — Dr. Simonson, professor of mechanical engineering, was inducted as a Fellow of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) and was awarded the Distinguished Graduate Supervisor Award by the University of Saskatchewan.

Dr. Daniel Chen — Dr. Chen, professor of mechanical engineering, was inducted as a Fellow of the Canadian Society of Mechanical Engineering (CSME).

Research and Discovery

Research Productivity

Academic and industrial research remains a priority for the College of Engineering. Over the past academic year, 103 research awards were granted

whose combined value exceeded \$11 million (see Table B). This represents a 27 per cent increase in total research funding from the previous year.

Table B: Research Awards and Funding

Source of Funding	Fiscal Year							
	2013/2014		2014/2015		2015/2016		2016/2017	
	Awarded Count	Awarded Amount	Awarded Count	Awarded Amount	Awarded Count	Awarded Amount	Awarded Count	Awarded Amount
Non Tri-Agency	79	\$7,234,793	66	\$5,208,047	71	\$4,012,575	56	\$6,578,490
Tri-Agency	41	\$2,176,531	45	\$3,266,950	43	\$5,067,219	47	\$4,932,904
Total	120	\$9,411,324	111	\$8,474,996	114	\$9,079,793	103	\$11,511,394

Source: University of Saskatchewan Data Warehouse

Filter: By Academic Year – Source of Funding

Note: Statistics may vary from previous years due to institutional reporting adjustments.

Research Achievements

College faculty play a pivotal role in advancing engineering research and strengthening our college's research profile. The following are notable research accomplishments of our faculty:

Dr. Safa Kasap was awarded a Saskatchewan Centennial Enhancement Chair in recognition of his outstanding accomplishments as a Canada Research Chair (Tier 1).

Dr. Daniel Chen was the recipient of the 2016 Saskatchewan Health Research Foundation Achievement Award for his pioneering work in tissue engineering aimed at developing techniques that can be used to develop artificial organs and tissues. Dr. JD Johnston was also recognized with a new Impact Award for his work over the past several years on building capacity in the studies in mechanical testing and bone strength.

Dr. Emily McWalter and co-investigator, Dr. JD Johnston, were awarded Canada Foundation for Innovation (CFI) funding to establish a precision measurement system to test tissue strength in healthy and diseased joints. They will compare tissue measurements and MRI (magnetic resonance imaging) scans to correlate image data. This work will ultimately lead to improved techniques for diagnosing, managing and treating diseases of the joint such as osteoarthritis.

Dr. Qiaoqin Yang is leading a team investigating "Advanced Synthesis and Characterization of DLC based Nanocomposite Coatings for Biomedical Applications," in partnership with PLASMIONIQUE Inc. and Intlvac Thin Film Corporation, and funded by a Natural Sciences and Engineering Research Council (NSERC) strategic research grant in the amount of \$634,632.

Community Engagement

Outreach Programming

In May 2017, the college was awarded nearly \$150,000 from the NSERC PromoScience Program. The multi-year funding, which was secured by Professor Sean Maw and Indigenous Peoples Initiatives Coordinator Matthew Dunn, will be used to teach indigenous youth about engineering principles underlying the technologies and designs in their own communities.

Sci-Fi Science Camps and Outreach

Founded in 1989 by engineering students, Sci-Fi Science Camps offers science- and technology-focused school workshops, community events and on-campus summer camps throughout the province. Last year, Sci-Fi delivered programming to nearly 10,000 Saskatchewan youth, visited 28 communities (including nine indigenous communities), and provided 52 undergraduate students with employment and an opportunity to develop transferable professional competencies that prepare them for future careers in engineering and other sciences.

Gear Up

The Gear Up program was launched in the fall of 2017 to provide female students within the college an opportunity to gain experience and confidence in a variety of technical, hands-on activities related to the design process. Three-weekend workshops have been held to date, focusing on topics ranging from solid modelling and 3-D printing to practical coding using Matlab. In addition to skill development, the Gear Up program promotes the building of crucial networks among female students and with external mentors.

Northlands College

The College of Engineering collaborated with Northlands College to develop a pre-engineering and science (PRES) program over the past academic year. This program allows students to complete up to 90 credit units of post-secondary coursework in northern Saskatchewan before transferring to one of many science and technology programs, including engineering, at the University of Saskatchewan. The program was launched in September 2017 and initial enrolments exceeded expectations.

Future Initiatives

The College of Engineering's most recent strategic plan concluded in 2016. We are ready to renew our vision, mission and values, as well as to define priorities for our teaching and learning, discovery, engagement and indigenization missions. A strategic planning process will unfold over the coming months and help shape our future for the next eight years.

Many academic programming initiatives are under way in the college. Significant progress will be made on our first-year redesign project, expanding our first-year student success program and working with Saskatchewan Polytechnic to create pathways for technical diploma graduates into degree programs over the next year. We will also be focusing on renewing our internship program and working to achieve many of the goals laid out in our renewed strategic enrolment management plan.

Research and discovery will remain a focus over the coming year. Our associate dean research will lead a strategic research planning project to help focus and strengthen our college's research profile. This office will continue seeking and creating academic and industry partnerships that contribute to the creation and dissemination of engineering research.

Indigenization remains a strategic priority of both the university and the college. Our Indigenous Peoples Initiatives Coordinator continues to oversee and coordinate activities aimed at reducing barriers to an engineering education, bringing an indigenous perspective to engineering design and connecting our college with indigenous communities. An engineering access program is under development and will likely be formalized over the coming year.

Respectfully submitted,

Suzanne Kresta, Ph.D., P.Eng., FEC
Dean

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. Our research programs are continuing to receive considerable funding. We are currently in the search process for two new professors and a lab instructor in positions in industrial systems engineering, a vacated faculty position in software systems engineering, two Canada Research Chairs in electronics systems engineering and a Research Chair in Clean Energy sponsored by SaskPower. The following academic staff members joined the faculty in 2017:

- Mr. Keegan Downie, lab instructor, electronic systems engineering
- Dr. Timothy Maciag, lecturer in software systems engineering
- Mr. Sam Yeol Hong, lab instructor, petroleum systems engineering
- Mr. Yuan Wang, lab instructor, petroleum systems engineering
- Dr. Zhanle (Gerald) Wang, lecturer, electronic systems engineering.

Following are the key highlights of 2017:

Enrolment

Undergraduate enrolment based on the fall semester has stabilized with 1,303 students compared to 1,324 last fall. The following table presents undergraduate enrolment numbers from fall 2017:

Major	Undergraduate Students by Major and Gender (Fall 2017)			
	Total by Major			Degrees Awarded (Spring & Fall 2017)
	Total	Female	Female (%)	
Electronic Systems Engineering	143	11	8	17
Environmental Systems Engineering	190	69		36
Industrial Systems Engineering	338	49	14	56
Petroleum Systems Engineering	235	36	16	66
Software Systems Engineering	131	16	12	16
Common First Year & Undeclared	276	39	14	-
Exchange Students	10	1	10	-

Graduate enrolment has increased slightly from 283 to 296. The following table presents graduate enrolment numbers from fall 2017:

Major	Graduate Students by Major and Gender (Fall 2017)			
	Total by Major			Degrees Awarded (Spring & Fall 2017)
	Total	Female	Female (%)	
Electronic Systems Engineering	44	9	20	14
Environmental Systems Engineering	53	25	42	16
Industrial Systems Engineering	77	6	10	14
Petroleum Systems Engineering	55	16	27	9
Software Systems Engineering	27	3	17	7
General Engineering (PHD)	2	0	0	0
Process Systems Engineering	38	12	29	15

Funding

Undergraduate students have once more doubled their contribution to the engineering equipment fund in four of our programs, while quadrupling in petroleum systems engineering. The university also provided funding of \$200,000 and the faculty invested additional funds for equipment purchases. Engineering has undertaken renovations to several teaching laboratories including the fluids lab, the process lab, solid waste/geotechnical lab and software lab.

Research

New external research awards totalled over \$3.2 million, including \$622,000 from various Natural Sciences and Engineering Research Council (NSERC) programs.

Recognition and Achievements

Noteworthy recognitions since the last report include:

Dr. Adisorn (Andy) Aronwilas was recognized by ASHRAE for advising the winners of the Student Design Project Competition: Applied Engineering Challenge.

Emma Fraser, Kaylee Hayko, Kailey Lowe and Tennille Kowalchuk, second year

students, finished first in the junior design division at the 2017 Western Engineering Competition held in Banff from January 12 to 15.

Dr. Raman Paranjape and his team won the 2017 Innovation Award for their project on HetNets with SaskTel.

Dr. Irfan Al-Anbagi received the Best Paper Award of the IEEE ComSoc Technical Committee on Communications Systems Integration and Modeling 2017, for his paper “A Survey on Cross-layer Quality of Service Approaches in WSNs for Delay and Reliability Aware Applications,” published in the IEEE Communications Surveys and Tutorials.

Ms. Joy Becker, an industrial systems engineering student, won the Female Athlete of the Year designation as well as the President’s Award for Academic and Athletic Achievement.

Dr. Gordon Huang’s Canada Research Chair (I) renewal has been approved.

Dr. Kelvin Ng won the 2017 University of Regina President’s Award for Teaching Excellence.

Dr. Stephanie Young is, for the second year in a row, the recipient of the Sustainability Award of the Regional Centre of Expertise on Education for Sustainable Development in Saskatchewan (RCE).

The Council of the Town of Regina Beach passed on April 11, 2017 a resolution expressing its thanks to the University of Regina’s environmental systems engineering program and its students Nwakaku Okere, Weibin Wang and Li Zend, for their presentation on the “Wastewater Lagoon Upgrade.”

Derek Grain, Zachary Hass and Michael Taylor, engineering undergraduate students, took second prize in the Minerva Canada Safety Management Education Inc. 2017 James Ham Safe Design Award Competition for designing a rapid attachment interchange system for forklifts that can reduce workplace injuries when changing forklift attachments. The team was supervised by Dr. Denise Stilling.

The newly established UofR student chapter of the Canadian Society for Civil Engineering (CSCE) won the “Shining Starts” Best Chapter Award. Dr. Kelvin Ng is the chapter’s faculty advisor, and Mr. Harold Retzlaff (Ministry of Highways and Infrastructure) is its practitioner advisor. The founding members of the chapter are Michael Badger (president), Keneni Debia (vice-president), Brittany Sippola (secretary), and Luc Dinh (treasurer.)

Dr. Christine Chan was inducted into the Canadian Academy of Engineering.

Joshua Friedrick, Sam Dietrich, Caleb Friedrick and Dean Kertai, engineering graduates, won for the second consecutive year the agBot competition. This Prairie Robotics team finished ahead of Purdue University.

Tristan Heisler, software systems engineering student, was awarded the University Gold Medal at the 43rd spring convocation on June 8.

Adam Tilson, graduating software systems engineering student, received the Faculty Dean's Medal and the APEGS Gold Medal in Engineering at the 43rd spring convocation on June 8.

Mojtaba Hedayatpour, Dr. Mehran Mehrandezh, and Dr. Farrokh Janabi-Sharifi (adjunct professor) won the Best Paper Award presented in the 4th International Conference of Control, Dynamic Systems, and Robotics (CDSR'17) Toronto, August 2017, for their paper "Propeller Dynamics and Energy-Optimal Hovering in a Monospinner."

Mr. Aaron Kenneth Husband, environmental systems engineering, received the Faculty of Engineering and Applied Science Dean's Medal and University Prize in Engineering in the 2017 fall convocation.

Dr. Yasser Morgan and Parisa Tabrizi won the Best Paper Award on stream mobile computing in IEMCON 2017, 8th IEEE Annual Information Technology, Electronics and Mobile Communication Conference, UBC, Vancouver, October 2017, for their paper, a literature review for "Comparing Autonomy and Collaboration between Agent-oriented Architecture and Service-oriented Architecture."

Respectfully submitted,

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

2017 was another successful and eventful year in the Department of Geology at the University of Regina. Despite the economic slowdown, the department's enrolment levels remained steady, if not a little higher, with 60 students enrolled in our undergraduate degree programs, including the B.Sc./B.Sc. Honours in Geology, B.Sc./B.Sc. Honours in Environmental Geosciences. Our graduate degree programs also continued to be well subscribed, with ~ 25 registered graduate students (21 M.Sc., 4 Ph.D.) and two post-doctoral fellows carrying out research on varied topics.

In December 2017, the department reluctantly said goodbye to one of our lab instructors, Geoff Reith, and a search is currently underway for his replacement. Our nine professors and three lab instructors continued their active roles in research, service activities and teaching and mentoring of undergraduate and graduate students. Of note, Dr. Hairuo Qing continued as co-editor-in-chief of the Bulletin of Canadian Petroleum Geology and Monica Cliveti served as president of the Saskatchewan Geological Society. Dr. Kathryn Bethune accepted an invitation to serve on the NSERC Discovery Grants Evaluation Group committee (1506) for a three-year term (2018-2020). Dr. Janis Dale represented the department and the geoscience departments of Saskatchewan on the Canadian Geoscience Knowledge Standards Council. Dr. Jeanette Roelofsen continued her involvement in the Saskatchewan branch of the Canadian Geoscience Education Network and Dr. Stephen Bend continued as the faculty representative on the APEGS Student Development Committee.

In the meantime, research by professors continued with funding from a variety of sources including NSERC-DG, NSERC-CRD, Geological Survey of Canada -- GEM-2 grant programs, the Saskatchewan Geological Survey (Ministry of Economy), the Petroleum Technology Research Centre (PTRC), the Fedoruk Centre, as well as the private sector, including petroleum and mining companies. Thanks to Dr. Tsilavo Raharimahefa, the academic life of the department was once again enriched by our weekly seminar series, serving as a forum for graduate student talks and once again hosting several visiting speakers, including lecture tour talks sponsored by the American Association of Petroleum Geologists and the Geological Association of Canada.

Our undergraduate student club, the D.M. Kent Club, had another productive year. Student delegations attended three conferences, the Western Inter-University Geoscience Conference (WIUGC) in January, the Cordilleran Roundup in February (Vancouver) and the Prospectors and Developers of Canada (PDAC) annual convention in March (Toronto). In the fall semester, the D.M. Kent Club

ran a second, well-attended Student-Industry Geoscience Roundtable based on last year's inaugural model. The executive of the D.M. Kent Club also organized and ran the WIUGS conference held in early January, 2018, the bulk of the organization and planning for the event taking place in the fall semester. The conference was a major success, with keynote addresses by professors and distinguished alumni. We congratulate the executive of the D.M. Kent Club for their time and effort in representing our students and the department.

Several of our students received awards and honours this past year. Britney Laturnus was awarded the APEGS Gold Medal for top undergraduate geoscience student. Graduate student Dillon Johnstone won the PDAC-SEG Student Minerals Colloquium M.Sc.-level Poster Award, a national-level competition at the PDAC convention (Toronto) in March 2017. M.Sc. student Jordan Deane placed second in the graduate student poster competition at the annual Saskatchewan Geological Survey Open House and B.Sc. students Arin Kitchen and Kirsten Cunningham were recognized for their poster and oral presentations, respectively, at the WIUGS conference in January. Arin Kitchen represented the university at the annual Student-Industry (SIFT) trip in Calgary this past spring while Dallas Dixon was selected to attend the annual PDAC-sponsored Student Industry Mining Exploration Workshop (SIMEW) at Laurentian University this coming spring. In short, both our undergraduate and graduate students continue to be recognized within the larger community of Canadian geoscience departments.

Approaching the 50th anniversary of the department next year (2019), there is indeed much to celebrate.

Respectfully submitted,

Dr. Kathryn M. Bethune, P.Geo.
Professor and Head

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

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

- To develop and maintain high standards in the engineering profession;
- To facilitate the acquirement and the interchange of 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 9, 2017. The 2017-2018 RES executive is outlined below:

President - Mitchell Pockett, P.Eng.

Vice-President - Waqar Khan, P.Eng.

Past President - Brett Kelln, P.Eng.

Treasurer - Simon Li, 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, P.Eng. and Douglas Wagner, P.Eng.

RESS - Kennedy Dollard

APEGS Liaison - Kaylee Puchala, P.Eng.

CSCE - Brent Miller, P.Eng.

RGG - Harpreet Panesar, P.Eng.

IEEE - Ian Sloman, P.Eng.

The first meeting of the fiscal year was held in August 2017 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 for this year in order to take over some of the liaison roles.

Awards/Scholarships

The RES recognized three deserving professionals for their commitment and service to the engineering community. The 2016-2017 Engineering Excellence Award was presented to Stella Madsen, the Volunteer Service Award recipient was Margaret Ball, and the Engineer-in-Training Aware was given to Jody Schafer.

Lockheed Martin provides a yearly scholarship of \$800 for a deserving project at the University of Regina's Engineering Fourth Year Project Day. The RES was chosen to attend Fourth Year Project Day and evaluate projects based on a set of criteria created by Lockheed Martin. Further to this, the RES decided to sponsor second and third place awards in the amounts of \$500 and \$250 respectively. All winning student groups were invited to attend our annual Horizons Dinner free of charge in order to receive their awards. The RES plans on continuing, and likely broadening the scope of, these awards in 2017-2018 as the response from everyone involved was extremely positive.

The RES awarded five students with scholarships. 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. We plan on providing a sixth additional scholarship, valued at \$750, to be awarded to a worthy graduate student.

RES Events

The annual Engineering Horizons Dinner was held on May 15 at the Conexus Arts Centre. This event featured guest speaker Rod Schmidt, manager of stadium development for the City of Regina. Rod gave a very enlightening presentation regarding the planning and development of the new Mosaic Stadium, with details ranging from the procurement of the land to the incorporation of finishes from the existing Mosaic Stadium. He was able to give some insight into details that not many of the public had been privy to up to that point and provide a digital tour, via photographs, of the stadium, which most attendees had not yet had the opportunity to experience.

The RES continued its expansion of the yearly IMAX Night to a combined IMAX and Science Centre Day for its members and their families. The day brought the IMAX to max capacity, which featured the film Dream Big for the matinee screening. The RES was particularly proud to support this film as it delves into engineering marvels and the importance of engineering in society.

The RES Annual Golf Tournament and AGM was held on June 9 at the Murray Golf Course. Many prizes were given out due to the generosity of sponsors. A new executive was elected at the event.

The annual Beer and Billiards Night was held on October 5 at the Broken Rack to a well-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 continues to provide support to a number of other events throughout the community which include the Chess Association, Engineers Without Borders, Women's History Month, and the IEEE Annual General Meeting. In addition, the RES began supporting the enrolment of Mother Teresa Middle School students into Engineering for Kids camps. These camps support and promote engineering, science and math education in a fun and interactive manner for children up to the age of 14. The RES plans on continuing this support in the future and will be looking to increase support if possible.

As well as financial support, the RES played an active role during the University of Regina's Project Day which showcases engineering students' projects. The RES had executive members volunteer as industry evaluators for the students' projects, which was an enjoyable experience for all that attended. Additionally,

Saskatoon Engineering Society

the RES members in attendance provided judging for the RES Project Day Awards, handed out at the yearly Horizons Dinner.

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

Respectfully submitted,

Mitchell Pockett, P.Eng.
President

It is with great pleasure that I submit this report to APEGS. In all that we are planning and have planned, we are striving to keep in mind our strategic plan and the goals of our society “to advance the engineering profession and related societies by assisting in information exchange between Society members and the Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS) Council by acting as a local agent and focal point to promote matters pertaining to the education and awareness of the profession.”

We had a very successful AGM in September 2017, one of the highest turnouts in the memory of the current board. The following awards were presented at the AGM: Educator of the Year to Eric Salt of the Electrical Engineering Department at the University of Saskatchewan and Engineer of the Year to Kevin Hudson, a City of Saskatoon employee and APEGS volunteer extraordinaire.

We have an extensive list of activities planned for our members which can be seen in more detail at <http://www.saskatoonengineers.com/ses-drupal/content/upcomingevents>. We are encouraging our members to use our website, and it appears to be working. In particular we are planning events for Engineering and Geoscience Week.

A discussion panel on advances in CADD is being planned as well as a number of mixers and nooners. Sean Maw will again chair the 2018 Engineering Innovative Design and Student Paper competitions.

Members of the SES executive at year-end 2017 were: Edwin Edquist, president; Jonathan Bushman, vice-president; Rebecca Richards, past president; Zygmunt Kowal, treasurer; Ross Welford, secretary; Ashok Thakkar, Jeremy Nelson, Rajan Kannabiran, Mehrnoosh Janbakhsh, Uday Lanke, Zahra Jeirani, Doug Drever, Juniper Willard, Arjun Paul, Labeed Elbermani and Tim Ashworth, directors. Appointed representatives were as follows: Sean Maw, University of Saskatchewan; Andrew te Linde, SESS Liaison; Holly Annand, APEGS liaison; and webmasters Edwin Edquist and Ross Welford. I am very pleased to see the range of cultures and countries of origin in our membership and in particular on our board. We do have a veritable “United Nations.” This brings a rich new focus and many new ideas to our discussions.

Respectfully submitted,

Edwin Edquist, P.Eng.
President

Moose Jaw Engineering Society

2017 has been a very busy year for the executive with our normal jobs resulting in some initiatives for the Moose Jaw Engineering Society (MJES) being delayed. With that said, we were able to have several events which added value to our membership.

We held a meeting to discuss the future of engineering related to a “Public Perceptions of Engineers and Engineering” presentation on March 30 at the Water Security Agency’s boardroom. The society was able to tour the Mosaic Belle Plaine facility on May 30. Both of these events were well attended.

The executive held a special meeting on April 13 to discuss the need for Director & Officer (D&O) and Bodily Injury/Property Damage (BI & PD) insurance. The executive agreed that insurance is important and we need to have coverage. From the research at hand and discussions with APEGS, the Saskatoon Engineering Society and an insurance broker, it was thought that the MJES may need to incorporate as a non-profit in order to be able to obtain coverage. The executive made the decision to incorporate at that time. This has not been acted upon at this time as additional research was being conducted. It appears that we should be able to obtain the necessary insurance coverage for the MJES without incorporation. If this is indeed the case, there is no reason to incorporate at this time. This issue will be followed up.

The 17th Annual Moose Jaw Engineering Society Golf Tournament took place on September 16 at the Hillcrest Golf Club. It was a good day for golf with 20 people participating in a Texas scramble followed by a supper and social at the Crushed Can Sports Bar and Nightclub.

I attended the APEGS 30 by 30 launch event at the Saskatchewan Science Centre on February 17 and the Trade Show and Networking Event on September 15 in Regina, with a trade show booth on behalf of the Moose Jaw Engineering Society. Both events were well attended by APEGS members.

The finances of the society are strong, with a forecasted year-end surplus of approximately \$14,000 which will allow us to do more activities in 2018.

On behalf of the MJES, 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, activities or networking in the Moose Jaw region for the membership.

Treasurer — Jody Scammell

Secretary — Ashley Gusikoski

Professional Development — Rory Windrum

Social Events Coordinator — Daryl Bunnell

Saskatchewan Polytechnic Liaison — Shaun Nanan and Ahmed Hosni

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 Treatment Corporation.

We look forward to seeing everyone during an eventful 2018.

Respectfully submitted,

Ryan Johnson, C.D., M.A.Sc., P.Eng.
President

Saskatoon Geosection

The CIM Saskatoon Geosection is one of two Saskatoon-based branches in district 4 (central Canada) of the Canadian Institute of Mining, Metallurgy and Petroleum. Our purpose is to facilitate professional development, knowledge sharing, networking and fellowship among Saskatchewan geoscientists. We do this primarily through monthly luncheon meetings which feature invited speakers. Our annual membership runs from January to December, with no activity during the winter and summer field seasons (January through March and June through August). Some of the talks from the past year (and future 2018 talks) include:

March 2017

Daniel Marshall, a CIM Distinguished Lecturer: “Melt inclusions of native-silver and native-bismuth at Cobalt, Ontario. Model for native- metal enrichments comparing natural samples with experimental and in-situ studies.”

April 2017

Charlie Harper, Ph.D., P.Eng, P.Geo., a former geologist with the Saskatchewan Geological Survey: “Mega Fallback Breccia and Impact Melt Bodies Discovered at the Deeply Eroded Carswell Impact Structure, Northwestern Saskatchewan, Canada.”

September 2017

Dan Wood, AO, 2017 Thayer Lindsley Visiting Lecturer for the Society of Economic Geologists: “Discovery of the Kencana Au-Ag ore deposit, Indonesia.”

Upcoming:

John Dilles, 2018 Thayer Lindsley Visiting Lecturer for the Society of Economic Geologists: “Structural Geology of Porphyry Copper Deposits from Regional Tectonic Setting to Vein Formation.”

In September 2017, the Maintenance, Engineering, Mine Operations Conference (MEMO) was co-hosted by five CIM branches, including the CIM Saskatoon Geosection. Over 300 delegates from across Canada attended the conference, taking in a variety of technical talks related to mining, mineral exploration, processing and environment management, along with field trips organized to the Cigar Lake Uranium Mine site in northern Saskatchewan and the Allan Potash Mine southeast of Saskatoon. In addition, the Saskatchewan Mining Association and CIM hosted the M4S (Mining for Society) where over 650 grade 7 students

from Saskatoon and surrounding area had the opportunity to experience live demonstrations and interactive displays relating to the different phases of the mining cycle.

Our 2017-2018 executive includes chairman, Cory Kos, P.Geo., Cameco Corp.; program Chair, Shayne Rozdilsky, P.Geo., NexGen Energy Ltd.; treasurer, Chris Hamel, P.Geo., UEX Corp.

Respectfully submitted,

Shayne Rozdilsky, P.Geo.
Program Chair

Saskatchewan Geological Society

It has been another eventful, challenging but productive year for the Saskatchewan Geological Society (SGS), a brief overview of which is provided here. SGS functions in 2017 were facilitated by a hard-working executive team which consisted of Erik Nickel (vice-president), Kate MacLachlan (treasurer), Omid Mahmoodi (secretary), Colin Card (business manager), Mike Thomas (program Chair), Kim Kreis (program Co- Chair) and Ryan Morelli (past president), in addition to myself.

2017 was a very productive year for the society. The kickoff to SGS activities for 2017 took place with the Annual General Meeting, held in early February. The evening was highlighted by the presentation of student awards and the introduction of Milt Holter into the society's Geoscience Honour Roll.

Thanks to the efforts of program coordinators Mike Thomas and Kim Kreis, SGS was able to offer a full slate of lunch lectures in 2017. Income from lunch talks was lower than expected, likely due to lower than anticipated attendance. Society members are encouraged to commit to supporting this important society initiative heading into 2018, as this is one great (and relatively cheap) opportunity for professional development. I cannot stress enough the fact that this activity without public loses all relevance. The two Co-Chairs are making a great effort to bring in talks of varied topics of high calibre, and the biggest reward for them will be our participation. The coordinators also would like to announce the new venue for the luncheon program in 2018. The Society is going to give a try to Bushwakker Pub, located on Dewdney Ave. Come check it out at our first talk in January!

Under the direction of Colin Card, SGS organized several social events again this year. The annual curling bonspiel took place on March 18 at the Tartan Curling Club, with 12 teams participating, which translates to about 50 people being present. The bonspiel was co-hosted by the D.M. Kent geology student club. The annual golf tournament took place on September 8, with almost six teams participating in a nine-hole round at Sherwood Forest. The tournament was followed by a barbecue at the MacDougall residence, with over 50 people attending. The barbecue was a big success and SGS would like to extend its gratitude to Dave and Alice MacDougall for again hosting the BBQ.

Several SGS committees were instrumental in 2017 in helping to fulfill the society's mandate. The annual SGS field trip transected the Rocky Mountains, Alberta, led by Clint Tippet, a retiree from Shell Canada. The trip took place from 18 to 22 August and 17 people took part. Participants visited a number of impressive exposures of Paleozoic sedimentary rocks, including a hike to

Cambrian Burgess Shale outcrop as well as outcrops of Precambrian and Mesozoic rocks. The trip followed the SIFT itinerary. 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 Clint Tippet for leading the trip.

The Open House Committee, chaired by Jason Berenyi, worked hard to organize the 47th annual Open House, which took place in Saskatoon from Nov. 27 to 29, 2017. 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 2017 Open House attracted over 800 delegates and over 60 exhibitors.

The SGS Education and Outreach Committee, chaired by Kate MacLachlan, was very active again this year and continues 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 Co-Chairs, Mike Thomas and Kim Kreis, and the business manager, Colin Card. The Regina public lecture was organized in collaboration with the Friends of the Royal Saskatchewan Museum and was presented by Dr. Ryan McKeller who talked about feathered dinosaurs and other life forms found in amber. Two local geologists, Sean Bosman and Colin Card, presented the school lectures in April. The topic was Uranium Resources in Saskatchewan and the school lecture returned to the hands-on-experience, hence limiting each of the sessions to 160 students. The lectures were a huge success as everyone enjoyed the talk and the experiments presented by the volunteers. The Saskatoon public lecture, entitled "Sue, the T-rex, and the Chicago Field Museum," took place at the end of November at the Geological Open House and was delivered to about 100 people by Mona Marsovsky, a retired Professional Engineer and life member of the Alberta Paleontological Society.

The Geoscape Subcommittee has been completely incorporated into the structure of the Education and Outreach Committee. Consequently the Education and Outreach Committee is now in charge of all the initiatives that the previous subcommittee started, and that includes updating some lesson plans as a resource for teachers. All the content of the Geoscape website was also transferred to the society website.

The Education and Outreach Committee was approached by the Regina Catholic School Board asking for a one-day professional development session for grade 7 and 8 teachers. The presentation is available now for other groups as well.

The Association of Consulting Engineering Companies – Saskatchewan

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. We also received funding from APEGS, the Saskatchewan Mining Association, Department of Geology and Department of Biology for the Open House Public Lecture and for Regina Public Lecture. All the sponsors of these great initiatives are greatly thanked.

Continuing with public geoscience outreach, the SGS Calendar Committee, chaired by Ralf Maxeiner, delivered the third annual (2018) geology wall calendar this year. The 2018 calendar is a great product, full of beautiful photos and chock full of information on the geology of Saskatchewan. For those of you that would like a copy, you can still purchase one at the cost of \$10 per item.

The SGS executive and committees collectively accomplished several other initiatives in 2017, including an unofficial SGS field trip in early June in the Cypress Hills area, an SGS clothing order, procurement of new speaker gifts, a revamp of the website and a publication inventory, among others.

Notwithstanding the many opportunities offered through the society this year, the society's expenditures were well lower than the budgeted amounts for 2017 (exclusive of Open House). The income was also at lower levels than budgeted, but somehow we managed to be out of the red zone with a surplus of almost \$4,500. In 2018, the society is projected to run a deficit, which is the staple for 10 out of the past 15 years. This is at least partly an indirect consequence of the current state of the mineral and petroleum industries, such that revenue generated from industry-focused 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.

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,

Monica Cliveti
President

The Association of Consulting Engineering Companies – Saskatchewan (ACEC-SK) is a not-for-profit association representing the majority of consulting engineering and consulting geoscience firms in Saskatchewan. It does this through promoting a business and regulatory climate that allows its members to provide best value to society.

Its member services include planning, designing and implementing all types of engineering and geoscience projects and providing independent advice and expertise in a wide range of engineering- and geoscience-related fields. ACEC-SK member companies directly influence virtually every aspect of quality of life in Saskatchewan, be it economic, social and/or environmental. Members provide engineering and geoscience services locally, regionally, nationally and internationally.

ACEC-SK closed out 2017 with 59 member firms that employed just over 1,800 professional, technical and support personnel. The organization said farewell to Amec Foster Wheeler Americas Ltd., MMM Group, Arkenstone Consulting Ltd. and Water Resource Consultants Ltd., several of which left due to mergers/acquisitions or retirement. We thank these long-standing supporters of the association and wish them well in their future endeavours. ACEC-SK also has a number of associate member firms from related interest groups and suppliers. ACEC-SK is a member of the Association of Consulting Engineering Companies – Canada (ACEC) which is in turn affiliated with the International Federation of Consulting Engineers (FIDIC).

The 2017 market remained very competitive, with members noting staff reductions early in the year which thankfully started turning around near the end of the year, resulting in a net neutral change in capacity. The delay in promised government funding for vital infrastructure projects and a reduction in overall capital investment in this province in 2017 had a direct impact on our members. However, cautious optimism continued to be the theme as many of our members saw opportunities looking to the new year.

The association worked hard to represent the views of the consulting engineering and geoscience industry and in particular to raise awareness of the value these professionals contribute to economic growth and to society. To achieve this goal, ACEC-SK focused on four strategic priorities:

Advocacy

ACEC-SK continued to engage with multiple stakeholders, and significant effort was invested in championing a number of key industry issues:

-
- Stopping PST-chargeable from expanding to construction phases of engineering services
 - Disputing that contractor input into consultant selection would save a client money, and highlighting that this scenario sets up the client for risk, in addition to creating potential conflict of interest for both contractors and consultants
 - Negotiating problematic indemnification contract language on behalf of its members
 - Educating clients about direct causal link between inappropriate project scoping and poor project results
 - Regionalization conference with a municipal infrastructure focus.

Profile

Every year ACEC-SK takes the opportunity to expand the profile of the consulting engineering and geoscience industry. This past year was no different. A sampling of this year's public relations activities included:

- Unveiling Industry Capacity Survey with media and significant government/industry partners in attendance; this survey highlighted how economic drivers are impacting the Saskatchewan consulting engineering and geoscience industry and made policy recommendations about consistent, stable infrastructure investment to maintain the health of the industry
- Awards of Distinction – record sponsorship and stakeholder attendance
- Industry West Magazine feature
- First annual business conference with an “Informed Infrastructure Investment” theme
- Student engagement at university and technical school career fairs as well as student information sessions
- Significant use of communication tools such as bimonthly newsletters, direct email blasts and social media channels, including Twitter and Facebook; the association grew its contact list by 38 per cent in one year, resulting in over 700 contacts

Member Engagement

Our association increased member firm participation by creating opportunities for them to develop, participate and utilize ACEC-SK programs and services that support their needs, including:

- Engineering services PST educational workshops
- Business development opportunities such as:
 - Forum with SaskPower
 - Forum with SaskEnergy
- Separating our AGM from the golf tournament and now held in conjunction with professional development opportunities
- Geotechnical conference
- Member firm opportunities to contribute to advocacy efforts in all sectors through committee work and events.

The association's Vision is “a strong, vibrant and respected Saskatchewan consulting engineering and geoscience industry.” The value of consulting engineering and geoscience services continues to be marginalized in the marketplace. It is vitally important that ACEC-SK increase its stature and influence, together with that of its member firms, by highlighting the impact of consulting engineers' and geoscientists' contributions to Saskatchewan's social, economic and environmental quality of life. Therefore the focus in the coming year will be to emphasize why it is important to the economy to maintain the health of our industry. We will reinforce that clients' best opportunity to realize savings is when proper planning occurs, together with selecting a qualified design team, and that there are economic benefits to maintaining a realistic capacity that can effectively respond to capital project requirements.

ACEC-SK continues to grow and succeed thanks in part to the commitment of the volunteer board of directors:

Jeff Halliday, P.Eng. - Past Chair

Paul Walsh, P.Eng. - Chair

Bryce Hunter, P.Eng. - Vice Chair

Nancy Inglis, P.Eng. - Secretary-Treasurer

Trevor Knoll, P.Eng. - Director

Saskatoon Engineering Students' Society

Greg Daum, P.Eng. - Director

Patrick Lalach, P.Eng. - Director

Ryan King - Director

Matt Feige, P.Eng. - Young Professionals Liaison

Tara Zrymiak, P.Eng. - APEGS Liaison

Shane Baillargeon - Associate Member Liaison (part of the year)

Lawrence Lukey, P.Eng. - 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. 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 2017-2018 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

Respectfully submitted,

Paul Walsh, P.Eng.
Chair

Thanks to the generous contributions of APEGS, 2017 was an exciting year for the Saskatoon Engineering Students' Society. The SESS exists to support the academic, professional and social needs of the students in the College of Engineering, tasks which we are continually striving to improve for our 1,700 students with the continued support of APEGS. Specifically, the SESS has been able to send delegates to professional development conferences and inter-university competitions, and host professional development events of our own.

In January of 2017, the SESS sent five delegates to the Canadian Federation of Engineering Students (CFES) National Congress, hosted by the University of Western Ontario in London. Delegates participated in five full days of leadership, professional development and student society themed sessions, topped off with ample professional networking opportunities, a career fair and formal dinners. The voting members for each of the universities participated in general assembly, dedicated to deciding the course of the CFES for the upcoming year. As a result of the congress, SESS member Zenon Kripki was elected CFES president, and member Mitch Cassidy was elected VP academic for the 2017-18 year. Later the same month, the SESS sent seven teams off to the Western Engineering Students' Societies Team (WESST) Western Engineering Competition (WEC) in Banff, hosted by a collaboration of schools from across the western region. Unfortunately no SESS teams had podium places this year, but those participating took back valuable experience to better prepare them for the next competition and practical application.

Thanks to your support, the SESS was also able to send delegates to the CFES president's meeting, CFES Conference on Diversity in Engineering, WESST executive meeting, and the WESST Annual General Meeting and Retreat, where SESS members Noah Hladun and Robert Ashton were elected WESST president and VP communications for the 2018-19 year. All those who were able to attend these events did so purely thanks to the support of APEGS.

Your continued support in these areas has allowed us to increase the amount of academic supports we offer our students, resulting in an increase in number of tutorials, available tutors and non-formal academic advice provided to our students. Along with academic supports, we've been able to adjust our budget to hold our first-ever full mental health week during term one, which included events such as de-stressing adult colouring sessions, relaxation rooms and mental health first aid workshops. With the financial support of APEGS, our mental health and academic support initiatives have been incredibly successful and will continue into 2018. Along with these new initiatives, the SESS is hosting

its first-ever proper Engineering and Mental Health Week in second term, in part due to the incredible support we've received.

On behalf of the SESS and all of our affiliate groups who also received support from APEGS during the 2017 year, I would like to thank APEGS for their continued support and rededicate the SESS to striving to make our relationship as beneficial as possible for both of our organizations. Looking forward to 2018, the SESS hopes to create additional opportunities to represent APEGS, specifically with our students attending this year's Canadian Engineering Competition, the creation of an Honour Pin Ceremony and potentially bidding to host a conference in Saskatoon. We look forward to working with you moving forward, and wish APEGS a prosperous 2018 year.

If you have any questions about any of the items mentioned in this report, please feel free to contact Robert Ashton at president@sess.usask.ca or myself, Noah Hladun, VP external affairs of the SESS.

Respectfully submitted,

Noah Hladun
VP External Affairs

2017 was another productive and eventful year for the Regina Engineering Students' Society (RESS). Of course, none of this could be possible without the support, involvement and sponsorship of APEGS.

The year began at the Canadian Federation of Engineering Students' (CFES) National Congress January 2-8, hosted by the University of Western Ontario. The RESS sent three council members to learn valuable professional development and leadership skills that were brought back and applied within the Regina engineering community throughout 2017. Students at this conference discussed the roles of their respective engineering professional organizations, and the Regina students spoke very highly of APEGS.

Twenty-one students who were winners in their respective categories at the Regina Engineering Competition in November 2016, as well as two students on the organizing committee of the event, were sent to the Western Engineering Competition (WEC) January 12-15 in Banff. University of Regina students competed in all seven categories offered at the event and received first place in junior design. This junior design team went on to compete in the Canadian Engineering Competition (CEC) during March in Calgary. RESS was thrilled when the team came home with another first place prize, representing Regina and all of Saskatchewan well. The team promoted APEGS sponsorship by wearing clothing with the APEGS logo.

RESS celebrated National Engineering Month in March by hosting our annual ENGG Week. Events during this week consisted of bowling, curling, laser quest and Olympics on the Green. These events all had high turnout as students earned points at each event, with the team having the most points crowned winners. During our trivia event, students answered questions about APEGS and were reminded of APEGS's importance in their engineering futures.

APEGS was positively discussed as the largest supporter of RESS in sessions pertaining to engineering society partner organizations and the support received at the Western Engineering Student Society Team (WESST) executives meeting May 4-7 in Prince George, BC at the University of Northern British Columbia. Five RESS council members attended leadership and personal development sessions preparing incoming council with the skills to be positive student leaders.

One of the larger events held by RESS is the Year 1-4 Reception. We were pleased to have APEGS as our patron sponsor. An APEGS table was set up at the event to interact with students. This year, greetings on behalf of APEGS were brought by Mr. Bob McDonald, P.Eng., LL.B., APEGS Executive Director and

Registrar. Our posters and programs for the evening had an APEGS logo and a banner including the APEGS sponsorship was placed behind the podium.

APEGS plays an important part in RESS's annual Honour Pin Ceremony, which took place October 5th. An APEGS representative spoke of the importance of academic integrity to the future engineers of the world. Having a large APEGS presence provides value in the event to students and is therefore extremely important in its success.

A large portion of the sponsorship that APEGS supplies goes to the engineering student groups. These groups include Cougar Motorsports, Engineers Without Borders (EWB) Regina, Institute of Electrical and Electronics Engineers (IEEE) Regina, Canadian Society for Civil Engineers (CSCE) Regina, and Great Northern Concrete Toboggan Race (GNCTR). With the help of APEGS, Cougar Motorsports was able to travel to Kansas and Illinois to compete in rigorous competitions put on by the Society of Automotive Engineers (SAE) International. The team placed 42nd and 55th in Kansas and Illinois respectively, an improvement from the previous year. Another engineering club highlight, the GNCTR team attended the annual competition February 16-19 in Winnipeg, where they took home the prize for "Best New Team." Due to APEGS's support, 26 students were able to attend this event.

Thanks to the funding of APEGS, many student delegates were able to participate in events and attend conferences during the 2017 year. Thanks to the support and presence of APEGS at our many events, engineering students were given the opportunity to interact in a more professional setting and improve on networking and other professional skills. APEGS provides positive role models in the engineering community that value honesty, fairness, respect, competence and safety. APEGS guides students to a prosperous engineering future.

Respectfully submitted,

Kennedy Dollard
VP Professional

2017 was a year of consistency and reorganization for the D.M. Kent Club of Geology at the University of Regina. The Department of Geology has had consistent registration numbers this year, which has led to great D.M. Kent Club registration numbers as well. The APEGS Student Development Committee (SDC) has provided us with funding that lets our members grow, learn new skills and experience new opportunities.

Conference and event funding is one way that the SDC supports our group of students, providing students with great networking and learning opportunities. Seventeen students attended the Western Inter-University Geosciences Conference in Edmonton. This student-focused conference involved technical talks, student poster and oral presentations and field trips which included travelling to a coal mine and an oil rig outside of Leduc. This WIUGC was especially exciting as our executive committee accepted the U of A's offer for us to host WIUGC in January 2018, which was a resounding success.

Eight members of the D.M. Kent Club attended the Association for Mineral Exploration's (AME) Roundup in Vancouver. These students attended mineral exploration industry talks, a student short course focused on mineral exploration and many other networking events. Twelve students attended the Prospectors and Developers Association of Canada Conference in Toronto. This international conference attracts geologists, engineers, investors and exploration and mining companies from all over the world. There are many important networking opportunities for students at both AME Roundup and PDAC, which are well attended by students from all over Canada.

The spring and summer semesters are a slower time for the D.M. Kent Club, and they also came with a change in the executive committee. This committee was formed in March and began plans for the 2017/2018 school year immediately, including planning for WIUGC 2018.

September brought us a new semester and some new changes in the department. The College West Building began some much needed construction so our facilities were moved and formed in the Classroom Building. This new semester also brought us some new geology undergraduates, who were welcomed with open arms into the D.M. Kent Club. We hosted our annual Meet and Greet event, which lets these new and returning students connect with professors, industry members and alumni in a less formal setting than conferences and classes. Other events hosted were the second annual Student Industry Geosciences Roundtable (SIGR) and our annual Christmas party. SIGR was attended by nine different industry representatives from Cameco, APEGS,

Ore Gangue Geological Students' Society

J.D. Mollard, and the Saskatchewan Geological Survey, to name a few. This full-day, speed-dating type event left attendees with information on careers 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 definitely be an annually hosted event for the club.

The end of November saw the coming of the Saskatchewan Geological Survey's Open House in Saskatoon. Students attended technical talks and a networking event, as well as presented their theses research. Multiple graduate and undergraduate students presented their research here, with great feedback being received from all students.

The APEGS Student Development Committee is not only a huge resource for our club in terms of funding, but they are also a huge source of information, support and assistance whenever we have any issues or questions. The funding provides us with the opportunity to turn our ideas into reality and provide our students with more chances to learn and grow in a positive way. The SDC's emphasis on developing well-educated young geoscientists really gives us the drive to do more and help our students to achieve their dreams. Their support has resulted in the growth of the D.M. Kent Club, and for that we are forever grateful. On behalf of the Geology Department and the students and alumni who make up the D.M. Kent Club, I would like to sincerely thank APEGS and the Student Development Committee for their past, present and future support of our program.

Respectfully submitted,

Natasha Zeiler
President

The Ore Gangue Geological Students' Society had a very successful year regarding events involving financial assistance from APEGS, starting off with the Western Inter-University Geological Conference held in Edmonton with over 30 members and two poster presentations. Katelynn Brown and Aidan Mowat both made Ore Gangue very proud with their presentations. With 30 people able to go due to the extremely generous \$7,000 received from APEGS, we managed to get the largest Ore Gangue attendance to WIUGC that was not held in our home city of Saskatoon. As well, this was the very first year that Ore Gangue attended the Association for Mineral Exploration (AME) Roundup. Katelynn Brown and Colton Vessey both presented posters and made huge network connections in Vancouver. Nine people attended, and if it were not for the APEGS contribution of \$2,500, then that number would have been reduced significantly.

Later in the year we had two other incredibly successful events attended by Ore Gangue members: PDAC and the Core Lab Tour in Regina. We had eight people attend Prospectors and Developers Association of Canada (PDAC), with two presentations from Katelynn Brown, who actually won the best undergraduate poster, and Ty Magee. APEGS allotted \$2,400 to the Ore Gangue to assist those eager to go. The Core Lab Tour was a complete success with the help of \$500 from APEGS helping us arrange transport and tour, helping us max out our spots of 15 students!

The Ore Gangue Geological Students' Society aims to provide students with the best possible university experience by hosting many academic and social events to help students through their tough careers as students while still providing them with social events that help them maintain relationships with other students and faculty. We do our best to help every student feel included and acknowledged in everything we do. We are continuously looking for more events and opportunities for students so they get the most exposure networking with presentation experience. We are happy to announce that we will be arranging the first Earth Ring Ceremony hosted in years for the University of Saskatchewan graduates with the help and support of Dr. Camille Partin. We are forever grateful for the generosity and consideration of APEGS and everything they have done for us as students, soon-to-be professionals. Without the help of APEGS, our members would not have the exposure to the industry like they do now.

Respectfully submitted,

Logan Fischer
President

Financial Report

This is a summary of the unaudited Consolidated Statement of Revenues and Expenditures of the Association to December 31, 2017. The Auditor's Report will be available at the 88th Annual Meeting in Saskatoon on May 5, 2018.

Total revenues increased slightly to \$6,372,714 in 2017, which was \$450,539 (7.6 per cent) higher than budgeted. Total expenditures in 2017 were \$5,814,664, which was \$539,481 (8.5 per cent) less than budgeted. The 2017 budget proposed a deficit of \$431,970; however, we ended the year with a pre-audit projected surplus of \$605,033.

The pre-audit estimate of total members' equity at year-end is \$10,734,098, and consisted of the projected surplus of \$605,033, retained earnings of \$6,469,022, 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, in part, a higher-than-forecast number of applications, particularly from international graduates. APEGS also experienced a higher 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 (\$64,698); Council and committees (\$109,303); Governance Board and committees (\$57,026); Education Board and committees (\$30,442); Image & Identity Board and committees (\$16,054); and operations (\$261,959).

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

Respectfully submitted,

Terry Fonstad, P.Eng., P.Ag., FEC
Vice-President

Balance Sheet

THE ASSOCIATION OF PROFESSIONAL ENGINEERS AND GEOSCIENTISTS OF SASKATCHEWAN

Balance Sheet
December 31, 2017
(unaudited)

ASSETS

Current Assets:

Bank Operating Account	\$1,452,095.08
Bank Investigation and Discipline Training	18,544.09
RBC Dominion Securities Acct	27,030.00
RBC Investment Savings/Money Market Acct	3,892,559.86
Petty Cash	265.00
Investments	8,446,836.02
Accrued Interest	(827.96)
Accounts Receivable	59,071.51
Prepaid Expenses	97,648.95
Total Current Assets	\$13,993,222.55

Fixed Assets

Office Equipment	\$238,144.88
Accumulated depreciation	171,524.06
Net Office Equipment	\$66,620.82
Computer Equipment	\$130,765.39
Accumulated depreciation	86,051.55
Net Computer Equipment	\$44,713.84
Leasehold Improvements	\$1,148,212.43
Accumulated amortization	463,917.80
Net Leasehold Improvements	\$684,294.63
Other Intangible Asset	\$848,566.05
Accumulated amortization	467,225.10
Net Intangible Asset - Membership Database	\$381,340.95
Total Fixed Assets and Intangible Asset	1,176,970.24
Total Assets	\$15,170,192.79

LIABILITIES AND MEMBERS' EQUITY

Current Liabilities:

Accounts Payable & Accrued Liabilities	\$372,788.76
Accrued Vacations	259,433.98
Goods & Services Tax Payable	120,266.97
Prepaid Annual Dues	3,683,605.00
Total Current Liabilities	\$4,436,094.71

Members' Equity:

Reserves	\$3,640,358.00
Reserves - Investigation and Discipline Training	\$19,685.00
Retained Earnings	6,469,021.99
Surplus/(Deficit) for period	605,033.09
Total Members Equity	\$10,734,098.08
Total Liabilities & Members' Equity	\$15,170,192.79

Consolidated Statement of Revenues and Expenditures

THE ASSOCIATION OF PROFESSIONAL ENGINEERS AND GEOSCIENTISTS OF SASKATCHEWAN

Consolidated Statement of Revenues and Expenditures
for the Period Ended December 31, 2017
(unaudited)

	UNAUDITED 2017	BUDGET 2017	% BUDGET	OF ACTUAL 2016
Revenues				
Membership Dues	\$4,532,810.12	4,412,775.00	102.72	\$4,463,991.30
Licence Dues	15,150.00	25,250.00	60.00	23,775.00
Certificate of Authorization	701,341.39	639,000.00	109.76	709,427.64
Registration Fees	581,500.00	376,000.00	154.65	426,050.00
Late Payment Surcharges	11,907.75	8,000.00	148.85	8,047.88
Advertising (Newsletter and Website)	37,415.00	70,000.00	53.45	37,179.72
Interest	206,911.13	168,000.00	123.16	157,828.14
Penalties & Fines	0.00	0.00	0.00	5,000.00
Miscellaneous	1,971.87	2,000.00	98.59	8,726.45
Other Revenue	0.00	0.00	0.00	7,500.00
Professional Practice Exam & Seminar	139,529.35	137,600.00	101.40	154,560.25
Member Seal Fees	12,427.95	7,000.00	177.54	8,485.29
Professional Development Day	51,044.28	60,000.00	85.07	41,028.10
Association Functions (Women's History & Book)	8,252.42	3,750.00	220.06	8,462.22
Self-Regulating Working Group	28,383.82	0.00	0.00	0.00
30 x 30 Task Group	36,249.48	0.00	0.00	0.00
2017 CSSE	7,819.25	12,800.00	61.09	0.00
Total Revenues	\$6,372,713.81	\$5,922,175.00	107.61	\$6,060,061.99

	UNAUDITED 2017	BUDGET 2017	% BUDGET	OF ACTUAL 2016
Expenditures				
Executive Committee				
Executive Committee	\$16,832.51	\$19,725.00	85.34	\$20,417.60
Liaisons	80,063.46	86,425.00	92.64	71,289.19
Government Relations	59,370.34	80,550.00	73.71	47,556.68
UofS/UofR Activities	8,547.85	16,135.00	52.98	11,077.59
Provincial Meetings	30,328.50	54,500.00	55.65	41,244.45
Elections	28,198.26	31,700.00	88.95	11,072.99
Annual Report	97,012.91	91,500.00	106.03	92,408.52
Engineers Canada	189,454.21	190,650.00	99.37	177,801.07
Geoscientists Canada	44,835.62	45,900.00	97.68	42,800.72
2017 CSSE	13,657.24	12,819.00	106.54	386.88
30 x 30 Task Group	96,771.47	128,250.00	75.46	17,659.90
Self-Regulating Working Group	28,383.82	0.00	0.00	0.00
Total Executive Committee	\$693,456.19	\$758,154.00	91.47	\$533,715.59
Council & Committees				
Council Meetings	\$146,656.15	\$171,000.00	85.76	\$153,404.38
Investigation Committee	72,533.25	133,500.00	54.33	69,067.37
Discipline Committee	20,736.44	36,675.00	56.54	25,492.53
Enforcement	12,971.23	21,025.00	61.69	7,288.14
Special Events	0.00	0.00	0.00	16,977.89
Total Council	\$252,897.07	\$362,200.00	69.82	\$272,230.31

	UNAUDITED 2017	BUDGET 2017	% BUDGET	OF ACTUAL 2016		UNAUDITED 2017	BUDGET 2017	% BUDGET	OF ACTUAL 2016
Operations					Image & Identity Board				
Salaries	\$1,894,935.31	\$1,961,000.00	96.63	\$1,822,739.67	Image & Identity Board	\$6,486.13	\$29,475.00	22.01	\$772.36
Fixed Asset Purchases	357.62	2,500.00	14.30	7,473.54	CPR Committee	379,161.52	319,900.00	118.53	453,157.53
Depreciation	204,844.99	290,000.00	70.64	234,009.54	Connection and				
Occupancy Costs	598,734.03	606,000.00	98.80	596,656.05	Involvement Committee	204,814.80	235,750.00	86.88	201,660.19
Professional Fees	67,440.02	162,000.00	41.63	110,304.87	Awards Committee	3,270.51	6,500.00	50.32	40,277.11
Telephone	11,676.27	10,200.00	114.47	16,356.26	Professional Edge				
Other Operations Costs	429,777.97	438,025.00	98.12	438,042.97	Committee	240,310.24	264,800.00	90.75	234,414.31
Total Operations	\$3,207,766.21	\$3,469,725.00	92.45	\$3,225,582.90	Equity and Diversity				
Governance Board & Committees					Committee	38,969.24	33,000.00	118.09	12,423.89
Governance Board	\$1,196.21	\$1,900.00	62.96	\$1,514.73	Women's History Task				
Legislative Review Committee	0.00	350.00	0.00	10.00	Group	4,834.63	4,476.00	108.01	4,426.66
CEAB/CEQB Meetings	5,505.06	9,700.00	56.75	7,924.62	Total Image & Identity				
Experience Review Committee	55,731.36	50,400.00	110.58	44,737.86	Board	\$877,847.07	\$893,901.00	98.20	\$947,132.05
Academic Review					Total Expenditures	\$5,814,663.72	\$6,354,145.00	91.51	\$5,640,408.67
Committee/Interviews	100,063.93	113,550.00	88.12	105,973.94	Add Unrealized Gain on				
Prof. Practice Exam					Investments	46,983.00	0.00	0.00	46,983.00
Com./Seminar & Exam	151,190.87	195,150.00	77.47	168,162.71	Total Expenditures	\$5,814,663.72	\$6,354,145.00		\$5,640,408.67
Limited Member					Surplus (Deficit)	\$605,033.09	(\$431,970.00)		\$466,636.32
Admissions Committee	7,426.75	7,090.00	104.75	6,818.71					
Total Governance Board	\$321,114.18	\$378,140.00	84.92	\$335,142.57					
Education Board & Committees									
Education Board	\$40,032.14	\$43,450.00	92.13	\$34,359.10					
Environment and									
Environmental Issues									
Committee	4,021.20	9,300.00	43.24	6,492.32					
Professional Development									
Committee	132,965.88	137,250.00	96.88	61,731.69					
Student Development									
Committee	146,614.92	172,475.00	85.01	153,277.66					
K to 12 Committee	24,701.45	44,550.00	55.45	33,952.48					
Scholarships and Bursaries	113,247.41	85,000.00	133.23	36,792.00					
Total Education Board	\$461,583.00	\$492,025.00	93.81	\$326,605.25					

Investments and Cash Funds

Investments and Cash Funds
MONTH ENDING DECEMBER, 2017

	CERTIFICATE NUMBER	PURCHASE DATE	MATURITY DATE	ANNUAL YIELD%	INVESTED VALUE \$	MATURITY VALUE \$
COMPANY						
RBC DOMINION SECURITIES INC.						
Bank of Nova Scotia GIC - Annual (1.650% Annual Yield)	150902-B0F320	Sep 3/15	Sep 3/18	1.650%	\$700,000.00	\$700,000.00
BMO Advisors Advan. GIC - Annual (2.950% Annual Yield)	130926-B07EDE	Sept 27/13	Sept 27/18	2.950%	\$800,000.00	\$800,000.00
Canadian Tire Bank GIC - Annual (2.950% Annual Yield)	130926-B07EBF	Sept 27/13	Sept 27/18	2.950%	\$100,000.00	\$100,000.00
Natcan Trust Company GIC - Annual (2.900% Annual Yield)	130927-B06632	Sept 27/13	Sept 27/18	2.900%	\$100,000.00	\$100,000.00
HomeEquity Bank GIC - Annual (2.500% Annual Yield)	140828-B0BFAB	Aug 29/14	Aug 29/19	2.500%	\$100,000.00	\$100,000.00
Laurentian Bank GIC - Annual (2.460% Annual Yield)	140828-B0C020	Aug 29/14	Aug 29/19	2.460%	\$100,000.00	\$100,000.00
LBC Trust GIC - Annual (2.460% Annual Yield)	140828-B0BFEF	Aug 29/14	Aug 29/19	2.460%	\$100,000.00	\$100,000.00
Pacific & Western GIC - Annual (1.970% Annual Yield)	150901-B0ADAE	Sep 1/15	Sep 1/19	1.970%	\$100,000.00	\$100,000.00
Tangerine Bank GIC - Annual (1.800% Annual Yield)	150902-B0F338	Sep 3/15	Sep 3/19	1.800%	\$100,000.00	\$100,000.00
Bank of Nova Scotia GIC - Annual (1.800% Annual Yield)	150902-B0F356	Sep 3/15	Sep 3/19	1.800%	\$500,000.00	\$500,000.00

Investments and Cash Funds

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

	CERTIFICATE NUMBER	PURCHASE DATE	MATURITY DATE	ANNUAL YIELD%	INVESTED VALUE \$	MATURITY VALUE \$
COMPANY						
RBC DOMINION SECURITIES INC.						
CICI Bank GIC - Annual (1.8% Annual Yield)	160830-B0689A	Aug 30/16	Aug 30/21	1.800%	\$100,000.00	\$100,000.00
Versabank GIC - Annual (1.8% Annual Yield)	160830-B0694B	Aug 30/16	Aug 30/21	1.800%	\$100,000.00	\$100,000.00
SBI Canada Bank GIC - Annual (1.870% Annual Yield)	160830-B067E2	Aug 30/16	Aug 30/21	1.870%	\$100,000.00	\$100,000.00
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
Royal Bank of Canada GIC - Annual (1.800% Annual Yield)	170905-B0C21C	Sept 5/17	Sept 6/22	1.800%	\$400,000.00	\$400,000.00
CND Western Trust GIC - Annual (2.500% Annual Yield)	170905-B0C2FF	Sept 5/17	Sept 5/22	2.500%	\$100,000.00	\$100,000.00

Investments and Cash Funds

	CERTIFICATE NUMBER	PURCHASE DATE	MATURITY DATE	ANNUAL YIELD%	INVESTED VALUE \$	MATURITY VALUE \$
COMPANY						
RBC DOMINION SECURITIES INC.						
Equitable Bank GIC - Annual (2.530% Annual Yield)	170905-B0C362	Sept 5/17	Sept 6/22	2.530%	\$100,000.00	\$100,000.00
General Bank of CDA GIC - Annual (2.250% Annual Yield)	170905-B0C299	Sept 5/17	Sept 6/22	2.250%	\$100,000.00	100,000.00
Royal Bank of Canada GIC - Annual (1.800% Annual Yield)	171002-B144DF	Oct 3/17	Oct 3/22	1.800%	\$800,000.00	\$800,000.00
Nat'l Bank of Canada GIC - Annual (1.800% Annual Yield)	171002-B144D6	Oct 3/17	Oct 3/22	1.800%	\$200,000.00	\$200,000.00
TOTAL INVESTMENTS						\$8,400,000.00
ROYAL BANK CURRENT ACCOUNT						\$1,452,095.08
RBC DOMINION ACCOUNT						\$27,030.00
RBC INVESTMENT SAVING ACCOUNT						\$3,892,559.86
TOTAL INVESTMENTS & CASH BALANCES						\$13,771,684.94

2017 APEGS Volunteers

A

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Colin Abernethy, P.Eng.
Dr. Sven Achenbach, P.Eng.
Adenike Adeoti, P.Eng.
Felix Agunu
Alec Aitken, P.Geo.
Patrick Alabi, P.Eng.
Laith Al-Ansari
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Holly Annand, P.Eng.
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Ronald Avery, P.Geo.

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Gordon Beck, P.Eng., FEC
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Stephen Bend, P.Geo.
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Clyde Deletsu, P.Eng.
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Stephanie Desnoyers, P.Eng.
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