

Canadian Prairies Group of Chartered Engineers

2016 Annual Report



www.cpgce.org

CPGCE Chairperson

CPGCE Treasurer

Canadian Prairies Group of Chartered Engineers

2016 Annual Report

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Scope

The intent of the Canadian Prairies Group of Chartered Engineers (CPGCE) Annual Report is to inform its Members of the purpose, current organization, objectives and achievements of the Group in 2016.

Introduction

The CPGCE is a multi-disciplinary group of members of The Institution of Civil Engineers (ICE), The Institution of Engineering and Technology (IET), The Institution of Mechanical Engineers (IMechE) and The Institution of Structural Engineers (IStructE), located in Alberta, Saskatchewan and the Northwest Territory. The CPGCE is a learned organization with objectives to promote engineering professionalism, institution membership, networking and understanding of engineering topics of interdisciplinary engineering interest.

The CPGCE fulfills its objectives through a program of regular technical presentations, other events and the CPGCE annual scholarship competition, open to students studying an engineering discipline covered by our institution sponsors, at a University or Technical College within the Canadian Prairies region.

The CPGCE represents the sponsor Institutions' to members locally and assists local professional engineers, technologists and technicians with aspirations to register professionally with one of the sponsoring Chartered Institutions in the United Kingdom.

2016 CPGCE Committee

As defined by rules of the CPGCE constitution a Committee of directors is established for each annual operating session of the CPGCE. Committee members are nominated and confirmed through the CPGCE AGM in accordance with the constitution. Additional Committee members may be proposed and confirmed by the CPGCE Committee as required to fill vacancies to meet objectives of the Group.

	Position	Name	Institution
1	Chairperson	Colin Pollard	IStructE
2	Vice Chairperson	Vacant	ICE
3	Past Chairperson	Mohamed Jaffer	IET
4	Treasurer	Mario Micallef	ICE
5	Deputy Treasurer	Emily Hicks	IET
6	Secretary	Rick Marshall	IMechE
7	Newsletter	Mia Jovic	IET
8	Outreach and communication	Niamh Ni Chroinin	ICE
9	Technical Member	David Dean	IET
10	Technical Member	Robert Salt	IMechE
11	Technical Member	Richard Coldbeck	IET

CPGCE Board Resignations During The 2016 Session

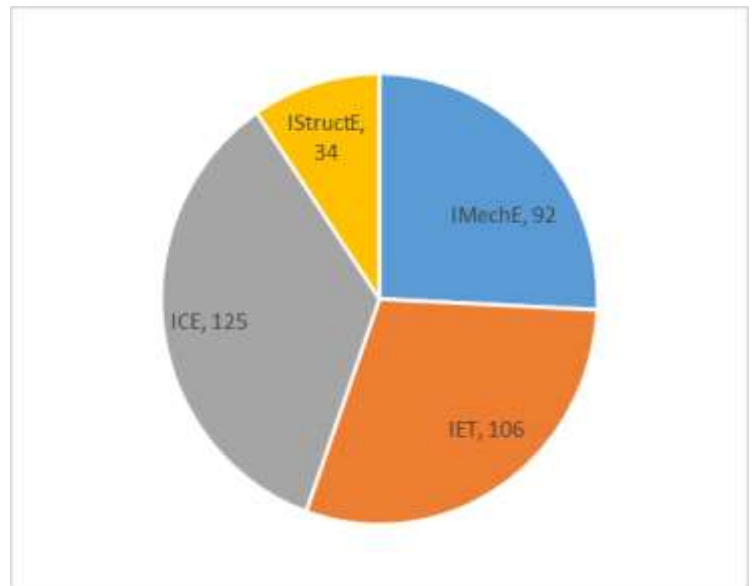
The CPGCE Committee would like to acknowledge the long service and valuable contributions of Colin Pollard, who after serving 10+ years on the CPGCE Committee retired at the end of his Committee term in July 2016.

2016 CPGCE Sponsoring Institution Liaison Members

	Name	Institution	Period
1	Niamh Ni Chroinin	ICE	
2	Richard Coldbeck	IET	
3	Bob Salt	IMechE	
4	Colin Pollard	IStructE	Until July
5	Roy Wong	IStructE	From July

Membership

Members of CPGCE are all classes of the Sponsoring Institutions, provided that they reside or practise their profession within the operating area of the CPGCE. Engineers, Technologists or Technicians who are not members of the Sponsoring Institutions but who are members of other chartered Institutions or local professional engineering organizations, whose professional attainments entitle them, in the opinion of the Committee, to election, may be recommended by the Committee to the Sponsoring Institutions for admission to membership of the Group.



The CPGCE region membership on record at the end of 2016 was 357. This number represents institution membership advised by institutions and those other individuals registered with CPGCE.

Activities Completed in 2016

Annual General Meeting

The CPGCE Annual General Meeting for 2016 was held on February 8th 2017 in the Canadian Danish Club. The annual dinner was cancelled due to lack of interest primarily due to the economic climate in Calgary. It was agreed that no presentation be given at this meeting as the group's finances required

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additional discussion (please see financial report). This AGM was interactive and prompted discussion between many members. A small snack was served after the meeting. AGM minutes are available to sponsoring institution members from the CPGCE website.

Committee Meetings

Ten CPGCE Committee meetings were held during the year. Meeting minutes will be available on the CPGCE website prior to the 2017 AGM.

Technical Presentations

Eight technical presentations were planned for 2016. The table below identifies the date, topic, presenter and number of attendees for the events held.

Date	Topic	Presenter	Attendees
30th January, 2016 - AGM for 2015	AGM: STARS (Shock Trauma Air Rescue Service)	Scott Yong, VP Aviation STARS	57
10th February,	The Changing Requirements in Engineering Education	Dr. Bob Brennan. Professor & Head of Mechanical & Manufacturing Engineering, Schulich School of Engineering, University of Calgary	42
9th March,	Canadian Light Source (Synchrotron)	Dr. Tom Regier. Staff Scientist for the Spherical Grating Monochromator beamline.	42
13th April,	Defence Research Centre Suffield - Chemical-Biological Defence Program Overview	Dr. Scott Duncan, Head of the Chemical-Biological Assessment & Protection Section, DRDC Suffield	57
12th May,	International Facilities Project YYC – A New Paradigm in Airport Design for Calgary	Rob Adamson, Architect, AAA, OAA, NSAA FRAIC Managing Principal at the Calgary Studio of Dialog Design	51
8th June,	D-Day Engineering Challenges & Solutions	E. (Eppo) van Weelden	45
14th September,	Ending the Guessing Game for Infectious Patients	Robert Mayall – PatW Winner 2015	25
12th October,	Airside Operations	Doug Francoeur – YYC Director, Airfield Compliance. Supported by: Roy McLeod, YYC Director Airside Services Introduction by: Bernie Humphries, YYC VP Operations	60
9th November,	Wind Energy Development in Western Canada	Jeff Wearmouth, P.Eng	64

CPGCE Scholarship Competition

CPGCE scholarship competition was not held in 2016 due to funding issues. IMechE funding was applied for and granted in 2017. This scholarship competition will be open to all disciplines at the start of the 2017 academic year.

IET Present Around the World (PATW) Calgary Event

This past year the CPGCE again hosted a local competition for the IET'S global Present Around the World Competition (PATW). The event took place on March 5th at the University of Calgary where students and young professionals gave 10 minute technical presentations on topics of their choosing. Subjects ranged from water monitoring to special relativity and competitors were judged primarily on their presentation delivery. The winner was Zohng Yuan Wang with his talk on 'The Evolution and effect of telecommunication'. Zohng advanced to the Americas finals of the competition, held last August in Toronto.

Americas Communities Conference

The ICE Representative attended the ICE America's Representatives conference which was held in Port of Spain in Trinidad. At this ICE funded event, information on CPGCE, the organizations objectives and activities was shared with other attenders.

IMechE Americas conference was cancelled due to financial constraints.

Presidential Visits

The CPGCE was visited by the IMechE President John Hilton in 2016. He attended a meal with the CPGCE executive, toured the new terminal of the Calgary airport, including a white hat ceremony. Jon was also given a tour of Banff and the surrounding Rockies.

Financial Status

The CPGCE acts in a not-for-profit role and receives its annual operating funding from the IMechE on behalf of all four sponsoring institutions. The Institution of Mechanical Engineers has been delegated the Institutions corresponding lead by the sponsoring institutions until otherwise decided by the institutions.

2016 Financial Statement			
Income		Expenses	
IMechE/ ICE Grant	\$ 14,000.00	Banking Fees	\$ 30.57
AGM Tickets	\$ 1,075.00	Committee	\$ 1,096.21
Extraordinary(1)	\$ 1,286.14	Presentations (3)	\$ 6,642.57
Total Income	\$ 16,361.14	Donations (2)	\$ 250.00
		AGM	\$ 4,623.24
		Scholarships (4)	\$ 4,583.54
		Website	\$ 779.63
		Extraordinary (1)	\$ 1,249.65
		Total Expenses	\$ 19,255.41
Income less expenses			\$ (2,894.27)

Note 1: Extraordinary expenses for I Mech E president visit were over-reimbursed by CAN\$ 36.49.

Note 2: A special donation of \$250 was made to STARS at the Annual General Meeting.

Note 3: CPGCE also used 8 Operation Eyesight certificates worth \$400, purchased in prior periods. For 2017, we still have 5 certificates and will need to purchase at least 3 more.

Note 4: These are 2015 scholarships awarded and paid for in January 2016. Scholarship competitions were not held in 2016 to control budget deficit in 2017.

The current funding model of the CPGCE has seen expenditure to exceed income over the last few years and is not sustainable into the future. The Executive Committee has discussed options to rectify this situation and proposals were discussed with the wider membership at the recent 2016 AGM. The focus of the options was the funding of the technical presentations as these account for a large proportion of Group's expenditure but also on maintaining value for institute member who indirectly fund the group through their institution fees. At the AGM it was decided to introduce a small fee for non-institution members attending the Technical Presentations.

The process for the Technical Presentation Attendance Fee will be as follows:

- Sponsoring Institution Members¹ (ICE, IET, IMechE, IStructE).
- No fee to attend the technical presentation as this is deemed covered by your sponsoring institution membership fees. HOWEVER, you will need to bring an in date membership card to the presentations to gain free entry.
- Non-sponsoring Institution Members/ Spouses/ Guests

A fee of \$5 will be required upon entrance to every technical presentation. Payment by card may incur a handling fee or approximately 3%. Collection of this fee commenced at the technical presentation of March 8th 2017– Pipeline Welding (Mr. Roy Bagulay, P.Eng). Payment of this fee ensures the CPGCE can continue to offer non-Institution members the CPD opportunity of monthly technical presentations.

2016 Audit

The 2016 financial audit was completed on the 8th March 2017 by Alan Murray, CEng MIMechE and Brian Rogers, CEng MICE. The Auditors Report is attached in Appendix A.

¹ This includes all categories of membership: Student; Associate; Member, Fellow; Honorary Fellow.

2017 CPGCE Committee

The CPGCE Committee was confirmed at the February 2016 AGM and is identified in the table below.

	Position	Name	Institution	Role
1	Chairperson	Nigel Shrive	ICE	
2	Vice Chairperson	Steven Nevin	IMechE/ IET	
3	Past Chairperson			
4	Treasurer	Mario Miacallef	ICE	
5	Deputy Treasurer	Emily Hicks	IET	Awards
6	Secretary	Rick Marshall	IMechE	Webmaster
7	Newsletter	Mia Jovic	IET	
8	Membership/ Communication	Niamh Ni Chroinin	ICE	ICE Representative
9	Technical Member	Derrick Stableford	IET	Awards
10	Technical Member	Robert Salt	IMechE	IMechE Liaison
11	Technical Member	Roy Wong	IStructE	IStructE Liaison
12	Technical Member	Arun Kumar	IMarEST	
13	Technical Member	Bob Sparrow	IChemE	
14	Technical Member	David Dean	IET	
15	Technical Member	Richard Coldbeck	IET	IET Representative
16	Technical Member	Oluseyi Smith	IET	

2017 CPGCE Objectives

- a. Hold the CPGCE Annual General Meeting and 9 regular Committee meetings
- b. Hold 8 Technical Presentation Events
- c. Hold the 2017 CPGCE scholarship competition
- d. Support sponsoring institution and membership development in the Prairies Region
- e. Implement a Communications and Outreach program to build engagement with CPGCE. Inter alia this will include:
 - Publishing of 2 CPGCE Newsletters,
 - Maintaining the CPGCE Social media sites e.g. Facebook, LinkedIn,
 - Provision of judging support for local IET PATW events,
 - Field trips,
 - More social activities.

2017 CPGCE Technical Presentation Schedule

The proposed CPGCE technical presentation schedule for 2017 is identified in the table below.

Date	Topic	Presenter
23 February	Avro Arrow II - Scale Replica	Paul Gies
8 March	Induction Bends for CSA Z662 Pipeline Applications	Presented by Roy Baguley, P.Eng
12 April	Why Have the Canadian Rocky Mountain Glaciers and Arctic Ice Receded	Presented by Kurt Hansen, P.Eng., M.Sc., President of Green Inc, Calgary
10th May	G5 Mobile Technology	Dr. Kevin Murry, IET
14th June	THAI	Alex Turta
13th September	Pine Creek Waste Water Treatment Centre	Angus Chu
11th October	What it takes to be a Canadian Astronaut	Robert Thirsk
8th November	2013 Calgary and area flood mitigation	TBD

Appendix A - Auditors Report

The Canadian Prairies Group of Chartered Engineers

Financial Statement for 2016 – Treasurer Mario Micallef
Deputy-Treasurer Emily Hicks

08 March 2017

AUDITORS' REPORT

On the basis of information provided by CPGCE Treasurer Mario Micallef:

The undersigned have reviewed the statement of financial position as of December 31, 2016 as submitted to the Executive Committee and as published in the Canadian Prairies Group of Chartered Engineers annual report to membership and as posted on the Group website www.cpgce.org.

The undersigned have included supporting documentation in their review and have concluded that the 2016 Financial Statement, as published, is a fair and accurate summation of all financial transactions performed by the Canadian Prairies Group of Chartered Engineers from 1st January, 2016 to 31st December, 2016.

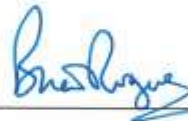
The undersigned have sampled the documentation as provided by the Treasurer and are of the opinion that the records fairly reflect the financial position of the CPGCE.

The undersigned are not professional accountants and have not performed an independent accounting audit as would be performed by professional accountants in respect of this financial statement.

Signed



Alan Murray CEng, MIMechE
March 1st 2017



Brian Rogers, CEng MICE
March 8th 2017

Witnessed, March 08, 2017



Mario C. Micallef, Treasurer

Emily Hicks, Deputy Treasurer