



# Chartered Engineers Pacific (CEP)

aka Western Canada Group of Chartered Engineers

## Minutes of CEP Committee On March 18, 2020

Venue: Meeting Room of Associated Engineering (BC) Ltd.  
Suite 500 – 2889 East 12<sup>th</sup> Avenue, Vancouver, BC, V5M 4T5  
Office: 604 293 1411, Teleconference ID:438016

Item	Description	Action
1	<p><b>Welcome:</b> The Chair-person (SV) opened the meeting at 5.03 pm and welcomed all who participated in this pioneering effort to discuss business, including teleconferencing. He welcomed the new crop of 2020 Committee Members whose names were each called according to list in <b>ENCL: C</b></p>	
2	<p><b>Attendance:</b> Twelve members attended: <b>In Office (7):</b> David Harvey (DH), Douglas Yee (DY), Suresh Vishwakarma (SV), Prafulla Chavan (PC), Lewis Judd (LJ), Michael Immaraju (MI), David Woo (DW). <b>On-Line (5):</b> Walton Lu (WL), Chris Richardson (CR), Zeeshan Khan (ZK), George De Ridder (GDR) &amp; Arlene McConnell (AMc) <b>Apologies (2).</b> Two apologies were received; from Matthew Walton-Knight (MWD) and Alan Kay (AK). The meeting was duly constituted as more than the minimum number of six members were in attendance.</p>	
3	<p><b>Setting of Agenda:</b> Agreed to add item 6.1. Proposed by DY; seconded by DH: <b>adopted</b> without deletions.</p>	
4	<p><b>Approval of Previous Minutes:</b> The Minutes of the last Committee Meeting on Nov 20, 2019 were previously circulated. One reviewer comment was received during November 2019 without proposal for change. No further comments were received since then; thus signifying general acceptance. Approved as tabled, without corrections or objections. Proposed by DH; seconded by SV, no objections; <b>MOVED, CARRIED.</b></p>	

Item	Description	Action
5	<p><b>Matters Arising from Previous Minutes:</b></p> <p>5.1 IET/MechE seminar in Jan18,2020. Artificial Intelligence seminar report and financial accounts have been emailed by SV to CEP for review. Members enquired whether details of expenditure of IET contributed funds have been approved. It was explained that IET and CEP funds were deposited as one account with CEP and statements detailing expenditures of united account were presented in spreadsheet. Members needed help to look at the spreadsheet. For clarification and due diligence it was suggested that this account be looked at independently by a sub-committee, tasked to two members; LJ and GDR, who will report back at next meeting. <b>Moved, Carried.</b></p> <p>5.2 GDR reported that the banner was updated with the latest logos of ICE, IET and IStructE. A table cloth displaying all logos was acquired. Summary of cost per receipt: Banner updating; \$360.57 and New Table Cloth; \$129.37. Total expense \$490.94. Committee previously approved \$400 for the banner only. IET contributed all of the funds for both items through a donation. Receipts were submitted on Jan 02, 2020 to SV and Treasurer (ZK).</p> <p>5.3 Outreach to students and young professionals. AK who looks after this matter is absent due to ill-health and no report was tabled. GDR suggested that the item be postponed until AK returned. Meeting then decided to discontinue the matter for the time being. <b>Moved, Carried.</b></p> <p>5.4 Information of Committee Members: Some details such as home address, telephone numbers and photographs are still missing from the CEP list. <b>ENCL: D.</b> Contact the Hon. Secretary with outstanding information or correction.</p>	GDR LJ
6	<p><b>Technical Program:</b></p> <p>6.1 CEP program coordinator (DW) has reported that presenters have been lined up for every spot in calendar year 2020 for CEP's Technical Program before the advent of CORVID-19 crisis, <b>ENCL: B.</b> Currently, because no one knows how long the emergency will last, it is expected that the entire 2020 program will be thrown into utter disarray. Many alternatives have been discussed and it was finally decided that May 20 &amp; June 17 presenters be informed that their presentations are being held in abeyance, or postponed, depending on whether CEP can find a viable platform for webinar or video-conferencing facilities. July 18 Summer appreciation event is also postponed.</p> <p>6.2 The viability of webinar or teleconferencing as an alternative to technical meetings was discussed. Some members related a tale of woe regarding adoption of such a system and explained that they abandoned previous attempts because there was no-one had the time to make it work. Others argued that recent platforms have become more user-friendly and suggested CEP gives it another try because there is tremendous benefit to be gained if one could get it working for CEP. A team consisting of two of newest members will give the newest available platforms a fresher look.</p>	SV  DW       AMc LJ

Item	Description	Action
	<p>They have until April 20 to report back with the result. If CEP can adopt a system it may be able to salvage the presentation programs scheduled for May 20 and, probably, for the rest of year 2020. The investigation team, LJ and AMc, will expedite an investigation expeditiously and have already proposed a plan of action.</p>	
<p>7</p>	<p><b>Finances</b></p> <p>7.1 <u>Overview</u></p> <p>I. Current account balance March 18, 2020 = \$ 13,575.89</p> <p>II. Cashable lockout account reserve = \$ 5,000</p> <p>III. Membership = \$ 128.72</p> <p>7.2 <u>Approved</u> expense claims, proposed by DH and seconded by DY <b>MOVED, CARRIED</b>, all the following:</p> <p>I. Pre-approved by email: <i>None</i></p> <p>II. Provisional \$1200 for March 18, 2020: <i>Nil because venue was changed to accommodate on-line conferencing without rental and catering account.</i></p> <p>III. <u>Provisional</u> for travel expense claims by AK: \$120; <i>Nil: Unclaimed, AK taken ill.</i></p> <p>7.3 <u>New submissions</u>: <i>Nil</i></p> <p>7.4 <u>Unfinished Business</u>. Follow-up with GG to recover \$130, being cost for dinner on Jan 22, 2020</p> <p>7.5 <u>Grants</u></p> <p>I. <u>Q3-2019</u>: Funding received.</p> <p>II. <u>Q4-2019</u>: Funding awaited.</p> <p>7.6 Arrange for changing of signing rights on CEP cheques.</p> <p>7.7 GDR to continue maintaining signing rights for CEP.</p>	<p>ZK</p> <p>DW ZK</p> <p>ZK</p> <p>ZK/DY/GDR GDR</p>
<p>8</p>	<p><b>Newsletter:</b></p> <p>8.1 The incumbent reported that he has been feeling very unsettled with family matters for some time and is unable to devote much time to work on the newsletter which is now delayed.</p> <p>I. Incumbent also indicated that he has not been receiving any articles since September of last year. SV reported that he has received all articles and presentations and would release them to the editor.</p> <p>II. Incumbent expressed a wish to relinquish his position as editor but hoped to stay on to assume a less responsible position in the editorial team.</p> <p>III. GDR (Webmaster &amp; Past Secretary) has volunteered to assume the role of editor of the Newsletter with assistance from AW and PC.</p>	<p>PC</p> <p>SV</p> <p>GDR AW PC</p>
<p>9</p>	<p><b>Website:</b></p> <p>9.1 The governance page was updated with names and photos to reflect 2020 committee membership. Out-going members have been edited out.</p>	<p>GDR</p>

Item	Description	Action
9.2	Photos are awaited from AMc and MI for uploading on the Governance page; email to GDR (webmaster).	AMc MI
10	<p><b>New Business:</b></p> <p>10.1 SV has received a letter from IET Toronto, <b>ENCL: G.</b> proposing that their respective organization; i.e. CEP/IET Vancouver and IET Toronto create a joint event to discuss "Sustainability". After some discussion about venue and funding, it was suggested that Vancouver could utilize one of IET event slots to provide the venue and catering. Toronto would provide the speakers, their travel and per diem. Toronto should formulate a proposal to provide a detailed plan for speakers, logistics, operational details and costs to CEP for consideration.</p> <p>10.2 To celebration IET's 150 years as an institution, IET is encouraging groups or individuals to submit bids for activity up to £2500. They should complete forms "Global Engagement Fund Proposal" to bid for the funds offered by IET on the topic of sustainability. This amount translates into C\$4000 which SV estimates, would be adequate to finance a seminar similar to those CEP/IET had previously organized. SV would complete the application form for CEP reviewed prior to submission. <b>ENCL: H.</b></p>	SV          SV
11	<p><b>Next Meetings:</b></p> <p>The date, time and format of next meeting is to be determined by Exco based on results of subcommittee investigation on available webinar or teleconferencing platforms. Committee will be notified.</p>	EXCO
12	<b>Adjournment:</b> Chair closed the meeting at 6:45 pm.	

Minuted by DY, March 21,2020

Checked by GDR.

#### ENCLOSURES

B - CEP EVENTS SCHEDULE

C- ELECTED COMMITTEE FOR 2020

D - INFORMATION OF CEP COMMITTEE 2020

G – SUSTAINABILITY IET EVENT - HIGH LEVEL DISCUSSION

H – IET150 GLOBAL ENGAGEMENT FUND PROPOSAL FORM

**ENCL: B****SCHEDULE OF EVENTS FOR 2020.**

<b>Date</b>	<b>Venue</b>	<b>Tech Meeting at 7 pm Subject - Topic</b>	<b>Presenter</b>	<b>Status</b>
<b>January 22, Wednesday</b>	Hart House Deer Lake, Burnaby, 6pm	Annual Members Dinner	Guest Speaker: Mr. Don Kennedy P.Eng. receiver of EGBC Gold Medal- 2019	Confirmed
<b>February 19, Wednesday</b>	Accent Inns Meeting Rooms	AGM	Chair CEP	Confirmed
<b>March 18, Wednesday</b>	Accent Inns Meeting Rooms	The Renewal Energy Transition Reality for a Small North Atlantic Archipelago	Daniele Bortoli	Cancelled
<b>May 20, Wednesday</b>	Accent Inns Meeting Rooms	Rapidly escalating nosocomial infections	Ben Venktash	Postpone
<b>June 17, Wednesday</b>	Accent Inns Meeting Rooms	TBC	Mark Kirby	Postpone
<b>July 18, Saturday</b>	Hart House Deer Lake, Burnaby, 7pm	Summer Appreciation Event	Chair CEP	Postpone
<b>September 23, Wednesday</b>	Accent Inns Meeting Rooms	TBC	Jovan Kovacevic	TBC
<b>October 21, Wednesday</b>	Accent Inns Meeting Rooms	TBC	Grant Connors	TBC
<b>November 18, Wednesday</b>	Accent Inns Meeting Rooms	TBC	Robert Greenwald	TBC

Technical meetings commence 7:00 pm, following Committee Meeting at 5:00 pm. Additions and amendments to the above schedule along with details on individual functions will be distributed via email and posted on our websites: [www.wcgce.org.ca](http://www.wcgce.org.ca) or [www.charteredengineerspacific.ca](http://www.charteredengineerspacific.ca)



**The Western Canada Group of Chartered Engineers (WCGCE)  
doing Business as Chartered Engineers Pacific (CEP)**

Members of Institution of Civil Engineers, Institution of Mechanical Engineers, Institution of Engineering and Technology, Institution of Structural Engineers, and the Chartered Institution of Building Services Engineers, located in British Columbia, Yukon, Washington State and Alaska.

**ENCL: C**

2020 Annual General Meeting

ELECTED COMMITTEE FOR 2020

Appointment	Incumbents 2019	Elected Incumbents 2020
<b>Chair</b>	Vishwakarma, Suresh (MIET)	Vishwakarma, Suresh (MIET)
<b>Vice Chair</b>	Graeme, Green (MICE)	Vacant
<b>Secretary</b>	De Ridder, George (FIStructE)	Yee, Douglas (MICE)
<b>Treasurer</b>	Khan, Zeeshan (MIET)	Khan, Zeeshan (MIET)
<b>Past Chair</b>	Walton-Knight, Matthew (MICE)	Vishwakarma, Suresh (MIET)
<b>Members</b>	<ol style="list-style-type: none"> <li>Matthew Walton-Knight (MICE)</li> <li>Clarke, Ciaran (MIET)</li> <li>Chavan, Prafulla (MICE)</li> <li>Kay, Alan (MICE)</li> <li>Raja, Arul (MIET)</li> <li>Richardson, Chris (MIET)</li> <li>Lu, Walton (MIStructE)</li> <li>Wood, Alan (MIET)</li> <li>Woo, David (MIStructE)</li> <li>Yee, Douglas (MICE)</li> </ol>	<ol style="list-style-type: none"> <li>Kay, Alan (MICE)</li> <li>Woo, David (MIStructE)</li> <li>Chavan, Prafulla (MICE)</li> <li>Lu, Walton (MIStructE)</li> <li>Wood, Alan (MIET)</li> <li>De Ridder, George (FIStructE)</li> <li>Walton-Knight, Matthew (MICE)</li> <li>Judd, Lewis (MIET, MIMechE)</li> <li>McConnell, Arlene (MIET)</li> <li>Immaraj, Michael (MIET)</li> </ol>
<b><u>Institution Reps: Ex-Officio Members</u></b>	<ol style="list-style-type: none"> <li>Harvey, David - IStructE</li> <li>Vishwakarma, Suresh - IET</li> <li>Vacant - CIBSE</li> <li>Vacant - IMechE</li> <li>Green Graeme - ICE</li> </ol>	<ol style="list-style-type: none"> <li>Harvey, David (FIStructE) - IStructE</li> <li>Vishwakarma, Suresh (MIET) - IET</li> <li>Vacant - CIBSE</li> <li>Vacant - IMechE</li> <li>Vacant - ICE</li> </ol>

By: George de Ridder H. Secretary 2019)



**ENCL:D**

## INFORMATION OF CEP COMMITTEE 2020

	Name	Designation	Tel. – Residence	Tel. –Office	E-Mail	Address	Post Code
1	De Ridder, George	Ord. Member (FIStructE)	604-931-2201	604-837-2614	george@gdrstruk.ca	1325 Lemax Ave, Coquitlam, BC	V3J 2C1
2	Harvey, David	Ord. Member (FIStructE Rep), (FICE)	604-274-6572	604-293-1411	harveyd@ae.ca	7651 Willowfield Dr. Richmond, BC	V7C 4S8
3	Kay, Alan	Ord. Member (MICE)	604-922-6150	604-922-6150	alan.akay@shaw.ca	Ste108 -959 21 <sup>st</sup> . street, West Vancouver, BC	V7V 4Y3
4	Judd, Lewis	Ord. Member (MIET, MIMechE)			<a href="mailto:Lc.judd90@gmail.com">Lc.judd90@gmail.com</a>		
5	Richardson, Chris	Ord. Member (MIET)	604-879-9980		.ne backwater@telus t	659 East 11 <sup>th</sup> Ave. Vancouver, BC	V5T 2E2
6	Walton-Knight, Matthew	Ord. Member (MICE Rep)	604.506.2863 (cell)		Matthew@waltonknight.com	3237 Huntleigh Crescent, North Vancouver, BC	V7H 1C9
7	Wood, Alan	Ord. Member (MIET)	604-988-8600	778-549-8601	<a href="mailto:awood@stratus-aero.com">awood@stratus-aero.com</a>	800 East 16 <sup>th</sup> Ave. North Vanc, BC	V7L 2V4
8	Yee, Douglas	H. Secretary (MICE)	604 273 8738 <a href="tel:6043688978">604 368 8978</a>		<a href="mailto:busnac.v5y@gmail.com">busnac.v5y@gmail.com</a>	613 - 7988 Ackroyd Rd, Richmond, BC	V6X 0K6
9	Vishwakarma, Suresh	Chair (MIET), (Council CCA)	778-960-3500		<a href="mailto:sureshvishwakarma@hotmail.com">sureshvishwakarma@hotmail.com</a>	80 - 15399 Guildford Drive Surrey BC	V3R 7C6
10	Khan, Zeeshan	H.Treasurer (MIET)		604-323-5209	<a href="mailto:khan.mzee@hotmail.com">khan.mzee@hotmail.com</a>	16682 86A Avenue, Surrey BC	V4N 5B1
11	Woo, David	Ord. Member (IStructE)	604.782.8163	604.293.1411	<a href="mailto:woom@ae.ca">woom@ae.ca</a>	1103- 110 Switchmen Street, Vancouver, BC	V6A 0C6
12	MC Connell, Arlene	Ord. Member (MIET)					
13	Chavan, Prafulla	Ord. Member (MICE)		778-984-8780	<a href="mailto:prafulla23772@yahoo.com">prafulla23772@yahoo.com</a>	C/o Bill Chohan, 16445 ,87A Avenue, Surrey ,BC	V4N 1E7
14	Immarajn, Michael	Ord. Member (MIET)	780 802 1656		<a href="mailto:mimmsraju@outlook.com">mimmsraju@outlook.com</a>		
15	Lu, Walton	Ord. Member (MIStructE)	604-800-7168		<a href="mailto:wlu@hotmail.ca">wlu@hotmail.ca</a>	West 38 <sup>th</sup> Ave, Vancouver, BC	V6M 1R8

## IET Sustainability Event: High level Proposal

Version	1.0
Date	18 Feb 2020
Author	Preetam Singh, Toronto LN
Status	High level proposal for discussion

### Background

Climate change and environmental sustainability is a growing global concern, with the scientific community and UN Intergovernmental Panel on Climate Change (IPCC) recommending a limit to a 1.5°C rise in global temperatures from pre-industrial levels.

*Climate Change is the defining issue of our time and we are at a defining moment. From shifting weather patterns that threaten food production, to rising sea levels that increase the risk of catastrophic flooding, the impacts of climate change are global in scope and unprecedented in scale. Without drastic action today, adapting to these impacts in the future will be more difficult and costly.*

Climate change and the threat to the environment, a direct result of the industrial revolution and recent technological innovation, is therefore a chief concern of the engineering and technology community worldwide. The IET, as the largest global professional is taking cognisance of the issue and needs to put structures in place to work with Government, industry, academia and technical professionals, to find innovative solutions and indeed, to change the way the engineering profession operates.

*There is alarming evidence that important tipping points, leading to irreversible changes in major ecosystems and the planetary climate system, may already have been reached or passed. Ecosystems as diverse as the Amazon rainforest and the Arctic tundra, may be approaching thresholds of dramatic change through warming and drying. Mountain glaciers are in alarming retreat and the downstream effects of reduced water supply in the driest months will have repercussions that transcend generations.*

Whilst a pressing issue with serious consequences and therefore there being a moral need for urgent action, there is also significant opportunity in leading a green industrial revolution, which will create new jobs and bolster emerging sectors of the economy. Alongside a rapid shift towards automation and changing energy use, several engineering professions today are at risk, particularly in manufacturing and resource extraction and creating new opportunities will create capacity for green jobs.

### Proposal for joint event: Vancouver/Western Canada and Toronto LN

IET Toronto LN has had sustainability on its agenda, with events planned in coordination with universities and engineering organisations in 2020. Within Canada, Vancouver is seen as an emerging global hub for a future green revolution and there is growing support for this from the provincial and federal governments as well as the engineering community and green-oriented consumer preferences on the West Coast.



It is proposed that a joint event be held in British Columbia in the latter part of 2020, which will take the format of a technical conference, comprising of a plenary session with globally renowned experts, a panel Q&A session, as well as two breakout sessions for delegates to engage in group discussion to discuss challenges and create innovative solutions.

It is hoped that this event will pave the way for this to become an annual flagship IET event (like the Global Engineering Challenge) and also could attract support as an official international IET conference in future years, with participation from the academic community

#### Technical Scope

Potential technical areas of interest may include:

- Green industrial revolution
- Renewable energy and solutions for remote, rural and indigenous communities
- Green buildings
- Carbon capture
- Transport, agriculture and manufacturing: Towards zero emissions
- Resource sustainability
- Supply chain ethics
- Consumer behaviour

#### Potential delegates

- Industry professionals, particularly in the fields referred to above
- Manufacturers and trade associations
- Government and third sector organisations
- First Nations (who ought to be invited as a matter of protocol; the Pan-Canadian Framework on Clean Growth and Climate Change 2017 asserts the requirement to involve indigenous nations and to respect and “recognizing the importance of Traditional Knowledge in regard to understanding climate impacts and adaptation measures”)
- Academics and researchers
- IET and other professional institution members
- Estimate: 30-50 delegates

#### Outline budget

- Conference facilities for a half day event
- Buffet lunch (non IET members to pay a fee)
- Transport for keynote speaker and honorarium for First Nation delegates (by convention)
- Marketing and printing of materials

[It would be helpful for the Western Canada LN to budget for the above based on local costs]

#### Joint nature of the event

- Event organisation and logistical coordination by Western LN
- Event planning, marketing and invitation of delegates by both LNs
- Toronto LN representative(s) to travel to BC for the event
- Toronto LN can contribute towards costs of delegate travel and event, amount TBC (let's work on a budget first)

## References

<https://www.un.org/en/sections/issues-depth/climate-change/>

<https://www.canada.ca/en/services/environment/weather/climatechange/pan-canadian-framework.html>

## Key contacts

### **Dr. Suresh Vishwakarma**

P.Eng, CEng, MIET, MBA, PhD

IET Representative - Western Canada, CCA Member, IPRA

Chairman, Chartered Engineers Pacific

ietrepresentativewesterncanada@gmail.com

### **Preetam Singh**

BEng, MIET, CMgr, MCFI

Sustainability and management consultant

IET Senior Advisor, Toronto LN (formerly London LN and co-creator of the IET Global Engineering Challenge)

preetam.singh@icareconsultancy.com

## Global Engagement Fund proposal

ENCL:H

### Please note:

- You can bid up to £2,500 per activity. Bigger bids for exceptional activities may be considered.
- There are no limits on the number of proposals that each group or individual can submit.
- Activities must celebrate our 150th Anniversary and/or be on the topic of sustainability.
- Priority will be given to activities which engage new audiences and in new disciplines or regions.
- We can only consider supporting activity with members where we can reasonably and legally transfer funds to them.
- Our normal IET funding policies apply. Please consult [this document](#) for more information.
- It is a condition of successful proposals that recipients submit a written report and pictures for us to use on our website and social media accounts.
- Completed forms should be submitted to: [iet150@theiet.org](mailto:iet150@theiet.org) by 3 April 2020.
- Proposals will be reviewed by the Regional Communities Committee and a final decision will be made by the Project Advisory Board. You will be notified of their decision by 15 May 2020.

**Name of community or group**

(if applicable, otherwise leave blank):

**Member name(s), membership number(s) and contact details:**

**Date of proposed activity:**

**Name of proposed activity:**

**Location of proposed activity:**

**Please explain the objective of the activity and how it celebrates the IET's 150th Anniversary or aligns with the topic of sustainability:**

**Who is your target audience?**

**How many people are you expecting to engage with?**

## Budget breakdown

Target number of delegates:

	Total	Additional Information
<b>Venue</b>		
Room(s):	<input type="text"/>	<input type="text"/>
Catering:	<input type="text"/>	<input type="text"/>
AV hire:	<input type="text"/>	<input type="text"/>
<b>Volunteer expenses</b>		
Travel expenses:	<input type="text"/>	<input type="text"/>
Accommodation:	<input type="text"/>	<input type="text"/>
<b>Speaker expenses</b>		
Travel expenses:	<input type="text"/>	<input type="text"/>
Accommodation:	<input type="text"/>	<input type="text"/>
<b>Onsite material</b>		
<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Other</b>		
<input type="text"/>	<input type="text"/>	<input type="text"/>
Total budget request:	<input type="text"/>	<input type="text"/>

**Any additional Information:**