



# Chartered Engineers Pacific (CEP)

aka Western Canada Group of Chartered Engineers

## Minutes of CEP Committee Meeting September 18, 2019

Venue: Accent Inns Burnaby

Item	Description	Action
1	<p><b>Welcome:</b> The Chairman opening the meeting at 5.10 pm and welcomed ten attendees to the Committee meeting. Chair congratulated Zeeshan Khan with birth of a second daughter.</p>	
2	<p><b>Attendance:</b> Nine members attended: Alan Kay (AK), Alan Wood (AW), Ciaran Clarke (CC), David Harvey (DH), George De Ridder (GDR), Zeeshan Khan (ZK), Douglas Yee (DY), Walton Lu (WL), David Woo (DW) Graeme Green (GG), Matthew Walton-Knight (MWK), Prafulla Chavan (PC), Suresh Vishwakarma (SV), <u>Apologies</u> of absence from meeting were received from: Arul Raja (AR), Chris Richardson (CR) Meeting was duly constituted as more the minimum number of six members were in attendance.</p>	
3	<p><b>Setting of Agenda:</b> The Agenda was adopted without additions.</p>	
4	<p><b>Approval of Previous Minutes:</b> The Minutes of the last Committee Meeting on June 19, 2019 were approved as tabled, without corrections or objections. Proposed by DH; seconded by ZK, no objections; <b>MOVED, CARRIED.</b></p>	
5	<p><b>Matters Arising from Previous Minutes:</b></p> <ul style="list-style-type: none"> <li>a) <u>ICE-200, 12th Brunel International Lecture on July 29, 2019</u>, Previous minutes 5b): GG reported disappointing attendance. Full report per <b>Enclosure B</b></li> <li>b) <u>Competition 'Speak Out For Engineering' (SOFE)</u>, previous 5c): The event summary of expenses by SV was accepted. Auditing is a matter for IET and IMechE, outside of CEP</li> <li>c) <u>IET/IMechE/CEP seminar Sept 21</u>, Langara College, previous 5d): On request of potential speakers the event was postponed to January 2010. Potential</li> </ul>	SV



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	<p>budget: \$1,500 sponsored by CEP, \$2500 sponsored by IET, \$500 sponsored by others to be confirmed.</p> <p>Unanimously approved on proposal by GDR and seconded by MWK: revoke previous <u>conditional</u> approval of \$1500 and approve <u>unconditional</u> approval of \$1500 for the event; the Condition was that IMechE-Americas sponsor \$6,000, which has been withdrawn. no objections; <b>MOVED, CARRIED</b></p> <p>d) <u>Present Around the World Competition (PATW)</u>, previous 5e): Breakdown of expenses by SV was accepted. On proposal by GDR seconded by ZK the mileage claim was approved as a once-off concession in the absence of a detail log of trips. In future expense claims will only be considered if supported by a trips-log showing date, mileage, destination and purpose. no objections; <b>MOVED, CARRIED</b></p> <p>e) <u>Legal Disclaimers</u>, previous 10 a): Disclaimers about photos and alcohol consumption at CEP events will be implemented from October 2019.</p> <p>f) <u>Banner upgrade</u>, previous 10 b) The CEP banner will be upgraded with new logos from IET and IStructE.</p> <p>g) <u>Travel expense</u> claims of AK, previous 10 c): The expense breakdown was reviewed by DY and ZK and resolved. No corrective payments were made.</p>	<p>ALL</p> <p>ALL</p>
6	<p><b>Technical Program:</b></p> <p>a) <u>2019 Program</u>. Refer <b>Enclosure A</b>. Prof. Dr. Joyanta Kumar Roy was arranged through SV as a replacement speaker to fill November 20, 2019 vacancy.</p> <p><u>Post Meeting notes on Technical Meeting Sept 18, 2019:</u> David McQuiggan IET CC-America, Committee Chair, IET Southern California Local Network, Committee Member, IET Satellite Systems &amp; Application TPN, Exec. Team Member, presented a detailed overview of Space Systems: Trends, Opportunities and Challenges. An audience of 21 participated with questions and contributions. A summary of the topic with slides will be soon available on CEP website.</p> <p>b) <u>Summer Appreciation Dinner</u>, previous Minutes 6b): July 27, 2019 at 7 pm at <i>The Hart House Restaurant</i>, Deer Lake, Burnaby. The event was attended by 18 persons including 8 guests. Chair thanked DW, GDR and DY for arranging a pleasant and worthwhile team building event within the budget. See <b>Enclosure C</b> for detailed expense report.</p> <p>c) November 20, 2019, Prof. Dr. Joyanta Kumar Roy expense – On proposal by SV and seconded by GDR an amount of \$300 will be accepted from the</p>	<p>DW/ SV</p> <p>DW/ SV</p>



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	<p>CCA to support Prof. Roy with travel and substance to deliver a presentation. <b>Unanimously voted, Moved, Carried</b></p> <p>d) 2020-Program: Only six technical events planned (refer item 7e (2)), plus AGM plus two social events based on recent programs. DW will submit program dates for approval by Exco;</p> <p>e) DH recommended reviewing of the Accent Inns as regular meeting venue.</p>	
7	<p><b>Finances</b></p> <p>a) <u>Overview</u></p> <ul style="list-style-type: none"> <li>i. Current account balance May 14, 2019= \$ 16,797.14</li> <li>ii. Cashable lockout account reserve = \$ 5,000 (in addition to i)</li> <li>iii. Membership (in addition to i) = \$ 128.72</li> </ul> <p>b) <u>Approved</u> expense claims, proposed by MWK and seconded by DH, unanimous approved <b>MOVED, CARRIED</b>, all the following:</p> <ul style="list-style-type: none"> <li>1. Pre-approved by email: Non</li> <li>2. Provisional \$1200 for September 18, 2019 meetings; <i>Post meeting note: actual invoice paid to Accent Inns (AI) claimed by GDR was \$ 1,171.95;</i></li> <li>3. Provisional for travel expense claims by AK: \$120;</li> <li>4. New submissions: <ul style="list-style-type: none"> <li>4.1 Website maintenance, Invoice from ANNO INTERNET, paid and claimed by GDR: \$21.00</li> <li>4.2 Printing of meeting Minutes &amp; Agendas per Staples invoice claimed by GDR: \$105.43</li> <li>4.3 EXCO dinner meeting including event speaker David McQuiggan on September 18, 2019 at restaurant, claimed per invoice by GDR: \$191.13</li> </ul> </li> </ul> <p>c) <u>Q2-2019</u>: Received Q2-2019 \$2980 on August 08, 2019;</p> <p>d) <u>Q3-2019</u>: Submission is due.</p> <p>e) <u>2020 Budget</u>: ZK tabled the Draft budget for 2020. From discussions the following was decided on proposal by MWK and seconded by GDR, unanimous <b>Moved and Carried</b>:</p> <ul style="list-style-type: none"> <li>(1) Revise 2019 expense entries to project total year expected expenses;</li> <li>(2) Revise Note 9 to reflect increased event costs – GDR to provide cost items to ZK: 6 Technical meetings, one Member's Dinner social event, one Appreciation Dinner team building, and one AGM are planned for 2020.</li> <li>(3) Delete the One-off seminar \$1500, Note 11 because the event</li> </ul>	ZK



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	should be budgeted outside of CEP based on external sponsors; (4) ZK to update the Draft and email to the EXCO for final review and approval on behalf of Committee. Budget is due at IMechE on Sept 26, 2019	
8	<b>Newsletter:</b> a) Vol 1-2019: Due by July. Final draft expected in a week and publication by end of September 2019 with PC leading as main editor.	PC
9	<b>Website:</b> The 2019 Events Schedule, past Minutes of Meetings and Event Notices are uploaded continuously.	GDR
10	a) <u>Agenda item 10 a) CEP initiatives to present seminars and courses:</u> GDR expressed concern from recent experience with competitions and seminars like SOFE and PATW (refer items 5 b), c) and d)), which impose considerable demand on volunteer time required from members of the Committee to produce the events; These events are in addition to the core monthly technical meetings, competing with the core operations of the Committee. GDR advises to limit non-core events to only those requested and funded by parent Institutions, and when a clear benefit is transparent to CEP members or the Institutions; preferable only one additional event per year.  b) AK offered to investigate outreach strategies towards students and Young Professionals.	GDR/ DW  SV  ZK
11	Next Meetings: Next Committee Meeting is on <b>October 23, 2019 5:00 pm</b> at the Accent Inns Meeting Rooms, Henning Drive, Burnaby followed by a presentation by Paul Wilson about 'Restarting Liberia's Electricity Sector'.	ALL
12	<b>Adjournment:</b> Chair closed the meeting at 6:45 pm.	

Minutes by GDR, September 18, 2019

ENCLOSURES

A – EVENTS SCHEDULE 2019

B - ICE-200, 12th Brunel International Lecture on July 29, 2019

C – REPORT - Summer Appreciation Dinner





## Enclosure A – EVENTS SCHEDULE 2019

Date	Venue	Tech Meeting at 7 pm Subject - Topic	Presenter	Status
<b>January 23, Wednesday</b>	Pier 7 Restaurant, North Vancouver, BC	Reflections on a Career in Naval Engineering	Vice Admiral Richard Greenwood	Executed
<b>February 20, Wednesday</b>	Accent Inns Meeting Rooms	AGM		Executed
<b>March 20, Wednesday</b>	Accent Inns Meeting Rooms	China's Engineers: from Li Bin (3rd Century B.C.) to today	Diana Lary	Executed
<b>April 17, Wednesday</b>	Accent Inns Meeting Rooms	The History of Jaguar Cars and the Development of the V8 Engine for the 21st Century	Malcolm Clough	Executed
<b>May 11, Saturday</b>	Room 2020 of the Fred Kaiser Building, 2332 Main Mall, The University of British Columbia, Vancouver	Present Around the World Competition (PATW) for students & young professionals.	IET/CEP/ Dr. Suresh Vishwakarma	Executed
<b>May 15, Wednesday</b>	Accent Inns Meeting Rooms	CAPSTONE training program UBC Engineering	Dr. Paul Lusina	Executed
<b>May 25, Saturday</b>	Room 2020, Fred Kaiser Building, 2332 Main Mall, UBC, Vancouver.	Speak Out for Engineering Vancouver - Local Heat	IMechE/CEP/ Dr. Suresh Vishwakarma	Executed
<b>June 19, Wednesday</b>	Accent Inns Meeting Rooms	Business Responsibility: Risk and Opportunity	Christie Stephenson	Executed
<b>July 29, Monday</b>	1066 West Hastings Street, Vancouver	ICE: 12th Brunel International Lecture: July 29th 2019	Linda Miller	Executed
<b>September 18, Wednesday</b>	Accent Inns Meeting Rooms	Space Systems: Trends, Opportunities and Challenges, an overview	David McQuiggan	Executed
<b>September 21</b>	Langara College, Vancouver, BC, Canada	Seminar- Artificial Intelligence	IMechE/IET/CEP/ Dr. Suresh Vishwakarma	Postponed
<b>October 23, Wednesday</b>	Accent Inns Meeting Rooms	Restarting Liberia's Electricity Sector	Paul Wilson	Confirmed
<b>November 20, Wednesday</b>	Accent Inns Meeting Rooms	Every drop count - Industry 4.0 (Smart Water Solutions of Future)	Prof. Dr. Joyanta Kumar Roy	Confirmed

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)



## Brunel International Lecture Series – JYLY 29, 2019 17:30 - 19:30

The 12th Brunel International Lecture Series was launched on 12 June 2018 and the tour will run for 18 months through December 2019. The series is titled "Transportation Infrastructure and Interdisciplinary Interfaces on Complex Mega-Projects" and also weaves in content on 'the future of civil Engineering'. This lecture series was delivered by Linda Miller, a Bechtel leader currently serving as Construction Director on the new Sydney Metro Tunnels & Stations Excavation team. For her work in promoting diversity (encouraging girls and women to join the global engineering and construction industry) Linda has been awarded an Officer of the Order of the British Empire (OBE) in The Queen's Birthday 2017 Honours List.

Linda Miller OBE addressed these concepts, using six "inescapables" to embrace and act upon. She gave practical examples, using concrete examples from her recent projects on three continents.

"Dreaming Big" It is no secret or surprise that a transport boom is overtaking the world. On every continent and in every government, transportation infrastructure is seeing a call to action as hasn't been heard in decades. The reasons driving these are many, and the time for all institutions, private industries and members of the public to put a shoulder behind this boom is now.

Why is this so? Why now? The answer is because the next generation is "dreaming big" and they are crying out for:-

### **Economic Prospects**

The two key factors in bridging the gap between poverty and prosperity are education/skills, and mobility. Mobility is, of course, the goal of great transportation projects. Transport puts the wind in the sails of young adults starting off in the world; economically disadvantaged individuals making it to steady employment; small business enterprises connecting their products with customers; and growers, creators and workers with the education/skills to deploy moving forward. Mobility is the wind.

### **Social Justice**

Future societies increasingly value all people, including those who need multiple diverse pathways for their transport. Now, in every single extended family, we each have at least one loved one, who – because of health, physical incapacity – a wheelchair, loss of sight, a potential for seizures, learning or mental differences, and, increasingly due to fragile old age – are not able to drive. Diverse transport options are, for them, the difference between imprisonment at home or freedom.

## Environmental Imperatives

Climate change and the counting of our Carbon Footprint are no longer far away, abstract concepts, or a burden in the hands of our scientists! They are overtaking us today and the next generation is already changing the way we create every political decision we make, every bite of food we eat, every way we move. Dramatic, quantifiable environmental benefits are springing from intelligent transport projects, and new innovations – both from engineers and from all creative thinkers in all walks of life – are generating a leap-frogging of the benefits each year.

New government priorities, funding models and stakeholder engagement methods are being crafted. What else is needed? What do leaders and engineers in great, powerful, intelligent transport projects need to do, and how can they thrive amidst the changing nature of engineering and the emerging needs and capacities of the next generation?

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*The Brunel International Lecture series was established in 1999 in memory of Isambard Kingdom Brunel (1806-1859), one of the world's most respected pioneering engineers. Each lecturer is chosen by the International Committee for his or her contribution to civil engineering. It is also a forum to strengthen the links between ICE and the engineering institutions both in the UK and abroad.*

Submitted by Greame Green (Vice Chair, ICE Rep) edited by George De Ridder (Hon. Secretary) Sept 2019.



Attendees at the 12th Brunel International Lecture; Speaker Linda Miller seated in front row.



## Report on CEP Committee Appreciation Dinner

Dated: 27<sup>th</sup> July 2019

The 2019 Committee Member Appreciation dinner was held on a warm summer evening at 7: 00 pm on the 27<sup>th</sup> of July 2019. The venue was Hart House Restaurant, adjacent to Deer Lake, in Burnaby, BC.

As a gesture of thanks for all the hard work carried out on behalf of CEP, an appreciation dinner was proposed, moved and carried. This was in accordance with Minutes of Meeting dated 15<sup>th</sup> May 2019 whereby a budget of \$1,500 was allocated, ref. item 6 (b), to pay for the event..

A party of 18, consisting of 10 Committee Members, some of whom were accompanied by their guests, totalling 8, were present for the celebration. Costs to members were covered in the budget but a cash contribution of \$75 was received for each guest.

The detailed accounting of expenditures is shown in the following table:

Items	Units	Rate \$	Amount \$	Sub-total \$	<b>Grand Total \$</b>
MEALS (1)					
Fixed menu	18	65.00	1170.00		
BEVERAGES (2)					
Cabernet Sauvignon	2	56.00	112.00		
Riesling	3	56.00	168.00		
				1450.00	
TAXES					
GST for meal	5%		1450.00	72.50	
Liquor	10%		280.00	28.00	
Service Charge on (1)+(2)	18%		1450.00	261.00	
					<b>1,811.50</b>

### Summary

From budget, refer to paragraph 2 above	\$1,500.00
Contribution received, refer to paragraph 3 above	600.00
Total funds reserved for event	2,100.00
Actual event expenditure, refer to bold number in above table	1,811.50
Balance	288.50

The above shows that the event had been successfully carried out within budget, ending with a surplus of \$288.50.

Many thanks to George De Ridder and David Wu for making this happen.

Douglas Yee.

30<sup>th</sup> July 2019