



The Western Canada Group of Chartered Engineers
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 Chartered Institution of Building Service Engineers, located in British Columbia, Yukon, Washington State & Alaska.

www.charteredengineerspacific.ca and www.wcgce.org

**Minutes of 6th Virtual Committee Meeting Held in
November 25, 2020, via MS Teams**

| Item | Description | Action by |
|------|--|-----------|
| 1 | <p>Welcome The Chairman opened the meeting at 7:12 pm by welcoming everyone online. Members were thanked for sharing their time with him on two separate online occasions and reminded all that this is the last meeting of 2020.</p> | |
| 2 | <p>Attendance Eleven participants present and they were: 1) Mr. David Harvey (DH), <i>FICE, FIStruct, IStructE Representative</i> 2) Mr. Matthew Walton-Knight (MWK), <i>MICE</i> 3) Mr. George De Ridder (GDR), <i>FStructE</i> 4) Dr. Suresh Vishwakarma (SV), <i>MIET, Chair, IET Representative, CCA member</i> 5) Mr. Douglas Yee (DY), <i>MICE, Hon. Secretary</i> 6) Mr. Michael Immaraju (MI), <i>MIET</i> 7) Mr. Chris Richardson (CR), <i>MIET Vice Chair</i> 8) Mr. Alan Wood (AW), <i>MIET</i> 9) Mr. David Woo (DW), <i>MIStructE, Events Coordinator</i> 10) Mr. Lewis Judd (LJ), <i>MIET, MIMechE</i> 11) Mr. Zeeshan Khan (ZK), <i>MIET, Hon. Treasurer.</i></p> <p>Apologies and absences were: 12) Arlene McConnell (AMcC), <i>MIET</i> 13) Walton Lu (WL), <i>MIStructE</i> 14) Prafulla Chavan (PC), <i>MICE</i></p> <p>The meeting was duly constituted as the number in attendance (11) exceeded the quorum of six (6).</p> | SECRETARY |
| 3 | <p>Setting the Agenda The agenda was reviewed and adopted. Proposer: (GDR), seconder: (MWK) and carried.</p> | SECRETARY |



| Item | Description | Action by | | | | | | | | | | | | |
|------------------|---|---------------------|------------|-------------|------------|------------|------------|------------------|---------------------|---------------------|-----------|-----------|-----------|--|
| 4 | <p>Approval of Previous Minutes Minutes of 5th videoconference on 21, 2020 has been circulated. No comment, objection or request for correction was received. Approved as tabled. Proposer: (GDR), seconder: (AW), MOVED and CARRIED.</p> | SECRETARY | | | | | | | | | | | | |
| 5 | <p>Matters Arising from Previous Minutes</p> <p>5.1 IET(CEP)/IET(Ont) proposal entitled ‘IET Sustainability Anniversary Event: In view of current pandemic situation, it is still on hold</p> <p>5.2 IET funds for IET150 celebration event(s) in Canada was approved but are pending. This Celebratory event was initially planned for Nov 14, 2020 but has been postponed several times due to the pandemic and now, set for Jun 2021. Five speakers have been confirmed but subject to final confirmation of venue and date.</p> <p>5.3 Proposed IET International Essay Competition. On hold.</p> <p>5.4 CEP has adopted Microsoft Teams as its platform, hosted by (LJ), who will manage online activities, participant statistics and audio-visual records.</p> <p>(LJ) reported that the login numbers between May and June has been estimated. Thereafter, Microsoft Teams was used and CEP set up its own account with Teams from October</p> <table border="1" data-bbox="354 1241 1143 1367"> <thead> <tr> <th></th> <th><i>May</i></th> <th><i>June</i></th> <th><i>Sep</i></th> <th><i>Oct</i></th> <th><i>Nov</i></th> </tr> </thead> <tbody> <tr> <td><i>Attendees</i></td> <td><i>12-20 (est,)</i></td> <td><i>55-65 (est,)</i></td> <td><i>18</i></td> <td><i>24</i></td> <td><i>15</i></td> </tr> </tbody> </table> <p>Please note, for June, it was the “why hydrogen” webinar which generated, by far, the most interest. This was due to the webinar being advertised more, including with our other Canadian networks and by the presenter, himself. We can learn from this and use our social media accounts and other North America networks to advertise the events.</p> <p>5.5 Previously, some difficulties have been encountered by the host (LJ) in managing the process and data. It has been resolved and will work seamlessly in future.</p> | | <i>May</i> | <i>June</i> | <i>Sep</i> | <i>Oct</i> | <i>Nov</i> | <i>Attendees</i> | <i>12-20 (est,)</i> | <i>55-65 (est,)</i> | <i>18</i> | <i>24</i> | <i>15</i> | <p>SV</p> <p>SV, MI, LJ & AMcC</p> <p>SV</p> <p>LJ, SV</p> <p>LJ</p> |
| | <i>May</i> | <i>June</i> | <i>Sep</i> | <i>Oct</i> | <i>Nov</i> | | | | | | | | | |
| <i>Attendees</i> | <i>12-20 (est,)</i> | <i>55-65 (est,)</i> | <i>18</i> | <i>24</i> | <i>15</i> | | | | | | | | | |



| Item | Description | Action by |
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| | 5.6 The Oct 21, 2020 presentation “The Potential Solution to Climate Change. The Carbon Capture Solution” has been recorded, edited and uploaded on the CEP website. | LJ/DW |
| 6 | <p>Technical Program</p> <p>6.1 The Nov 18, 2020 presentation by Mr. Robert greenwood has been edited and also uploaded onto CEP’s website.</p> <p>6.2 The proposed Annual Dinner on January 20, 2021 now seems unlikely to take place given the current worsening pandemic situation. Tentative reservation at Hart House Restaurant will be cancelled and be replaced by a virtual event such as awebinar presentation by Mr. Russell Davison at 7:00 pm. Presentation topic will be “National Ship Building Strategy on the West Coast (of Canada)”.</p> <p>6.3 The proposed AGM on February 17, 2021 would likely also be a virtual one. Agenda will come from the Secretary.</p> <p>6.4 The 2021 schedule shown in ENCL: A is almost full. Apart from confirming the dates and times and filling in one slot for November, there will be two “extra” speakers who may be put on standby in case a confirmed speaker dropped out. It is also anticipated that in late 2021, if the pandemic has weakened sufficiently to allow a return to physical meetings then an overseas presenter might have to be replaced by a local.</p> | <p>DW/SV</p> <p>DW</p> <p>Secretary</p> <p>DW</p> |
| 7 | <p><u>Finances Report by Treasurer</u></p> <p>7.1 Expense claims – Approved. Proposer: DW, seconder: GDR Per</p> <p>7.11 Personal home IT configuration - \$130.53 (DY)</p> <p>7.12 CEP Internet domain annual registration - \$ 21.00 (ZK)</p> <p>7.13 MS Teams Subscription cost - \$ 86.02 (LJ) previously approved to \$88, 10.2.2020. Proposer: DY, Seconder: GDR)</p> <p>7.2 Summary of Bank Statements [undated], <i>Editor/checker</i></p> <p>7.21 Checking Account: \$14,255.33</p> <p>7.22 Cashable Lockout: \$5000.00</p> <p>7.23 Members Account: \$132.79</p> <p>7.3 Status of Quarterly Transfers</p> <p>>None</p> <p>7.4 Budget 2021</p> <p>>No update</p> | <p>ZS</p> |



| Item | Description | Action by |
|------|---|---|
| | 7.5 IMechE’s response to CEP’s reply to their (IMechE’s) two email queries are awaited. GDR would send a reminder. | GDR |
| 8 | Newsletter Material for the Newsletter can be found in CEP website and from various presenters. These would provide a good source for the Newsletter. Further, it is recommended that it should be short, say 3 - 4 articles should suffice. | AW |
| 9 | Website Normal Maintenance and updating is ongoing. Nothing to report. | GDR |
| 10 | <p>New Business</p> <p>10.1 Confirming the previous decision (see MOM dated 10.21.2020). Technical meetings are to take place at 7pm, on Wednesday of the 3rd week of the month and committee meetings one week later, at the same time. CEP 2021 officers should revisit these arrangements and when conditions change. Current arrangement is going well.</p> <p>10.2 Committee agreed that CEP sends wishes of “Happy Holiday and Thank You” cards to all its benefactors. (SV), in cooperation with other members crafted the card, see ENCL: C, and (DW/SV) compiled the address list, see ENCL: D. Post meeting note: Each card was individually sent to each receiver on Nov 30, 2020.</p> <p>10.3 The SOfE Vancouver heat had taken place under the auspices of CEP in virtual webinar format on November 21, 2020. The report containing details of the competition is included in ENCL: E.</p> <p>10.4 The Chair gave an evaluation on CEP performance and wished that its good reputation as an active organization, known all over the American Region, be maintained or improved. He hopes that this performance continues with new members next year. Matters related to officers next year were discussed and deferred to next meeting.</p> <p>10.5 (MI) accepted custody of CEP’s Twitter and LinkedIn accounts.</p> | <p>ALL</p> <p>SV/DW/DY</p> <p>ALL</p> <p>MI</p> |



| Item | Description | Action By |
|------|---|-----------|
| 11 | Next Meeting 1. Webinar - January 20, 2021, 7 – 8:30 pm 2. Virtual Committee Meeting – January 27, 2021, 7 – 8:30pm. | ALL |
| 12 | Adjournment Meeting adjourned at 8:32 pm. Proposer (AW), seconder (CR). Carried. | CHAIRMAN |

ENCL: C



<https://charteredengineerspacific.ca/>

*Wishing you
Peace, Good
Health and
Happiness
through out
2021*

*The Executives and committee of
Chartered Engineers
Pacific*

*Thank you for the support given
to our events in 2020.*

*We trust future programs and
services will continue to fulfill
the expectations of all our
supporters and members.*

| | |
|-----------------------|----------------|
| Suresh Vishwakarma | Chairman |
| Chris Richardson | Vice Chairman |
| Douglas Yee | Hon. Secretary |
| Zeeshan Khan | Hon. Treasurer |
| David Harvey | Member |
| George De Ridder | Member |
| Alan Wood | Member |
| Matthew Walton-Knight | Member |
| Walton Lu | Member |
| Prafulla Chavan | Member |
| Lewis Judd | Member |
| Arlene McConnell | Member |
| Michael Immaraju | Member |
| David Woo | Member |



ENCL:D

| Mailing List of CEP | |
|--|----------------------------------|
| CEP Benefactors | Email Address |
| Artificial Intelligence Presenters | |
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SOfe 2020 Vancouver heat organized by Chartered Engineers Pacific on Nov 21, 2020

Chartered Engineers Pacific (CEP), Vancouver has organized IMechE's Speak Out for Engineering (SOfe) Competition on Nov 21, 2020 by virtual mode due to the ongoing pandemic situation inhibiting physical events. Speak Out for Engineering is a competition for young engineers designed to help develop verbal and visual communication in explaining technical mechanical engineering related subjects. The competition is organized and run annually by the Young Members of the Institution. Speak Out for Engineering (SOfe) competition heats take place across the globe. Winners from each heat are invited to participate in their regional final and the winners of the regional finals invited to participate in the grand Global Final, the winner of which gets crowned with the global SOfe winner. Speak Out for Engineering competition is open to any Affiliate, Associate or Young Member of IMechE who has been professionally registered for ten years or less.

Altogether five candidates had registered for the SOfe 2020 Vancouver heat. However, only four candidates participated in the competition. Apart from the panel of three judges, three CEP Committee members and six guests had also attended this online event. The competition began with a brief introduction of Chartered Engineers Pacific (CEP) by Dr. Suresh Vishwakarma, Chairman of Chartered Engineers Pacific followed by the introduction of The Institution of Mechanical Engineers (IMechE) and SOfe competition by Lewis Judd, CEP Committee Member. That was followed by presentations by the young engineers and university students based in Vancouver. All four presentations were very impressive and brilliantly delivered to the 'three judges' of this year being -

Jovan Kovacevic, P.Eng.

*COO and Vice President (Distribution)
ZE Power Engineering, Richmond BC*

Arlene McConnell, P.Eng. CEng, MIET

*Systems Engineering Manager
OSI Maritime Systems, Richmond BC*

Zeeshan Khan, BEng, MBA

*Building Operations Manager
Langara College, Vancouver*

The presented topics were:

1. A practical Hazard Log Approach, by Gary Cooke
2. Application of Machine Learning in Biological Sciences, by Saurabh Vishwakarma
3. Exoskeletons, by Dalia Kasim
4. The Human Respiratory System and Coronavirus, by Shefali Vishwakarma

After due deliberation, the three judges, who are all practicing engineers of various disciplines, agreed upon a winner based on both the quality of the presentation, and presenter's presentation skills to adequately convey a complex technological concept to the audience. Prior to announcing the results of the competition, Dr. Suresh Vishwakarma, Chair - CEP appreciated all presenters for their quality presentations and motivated them to participate in future SOfe competitions also.

The winner of this year was Gary Cooke and the runner-up was Dalia Kasim.

CEP congratulates all the presenters and wish this year's winner Gary Cooke further success. Gary advances to the next level of competition: SOfe 2020 - Regional final of Americas. Appreciations go to all CEP committee members for their support and efforts to organize IMechE's maiden SOfe event in Vancouver this year.

Note: See CEP website for full report with visual material