Professional Engineers
Ontario

Minutes

ACADEMIC REQUIREMENTS COMMITTEE

Meeting of July 22, 2016

PRESENT:

Members:

		Staff:
Leila Notash, Chair	Joe Lostracco	Michael Price, Deputy Registrar
R.Subramanian, Vice Chair	Ian Marsland	Anna Carinci-Lio
Sanjeev Bhole	Magdi Mohareb	Moody Farag
Judith Dimitriu	Remon Pop-lliev	Esther Kim
Bob Dony	Shamim Sheikh	Pauline Lebel
Amir Fam	Juri Silmberg	Marsha Serrette
Roydon Fraser	Jacqueline Stagner	Irene Zdan
Stelian George-Cosh	Barna Szabados	
Ross Judd		
Meilan Liu		

Regrets: **Guests:**

Waguih ElMaraghy   Santosh Gupta, ERC Chair
George Nakhla   David Kiguel, ERC Vice Chair
Suresh Neethirajan
Amin Rizkalla
Heather Sheardown
Medhat Shehatat
Allen Stewart
Seimer Tsang
John Yeow
Gosha Zywno

1.   Call to Order and Chair's Remarks

The meeting was called to order by the Chair, Leila Notash at approximately 10:30 AM. The Chair introduced Dr. Ian Marsland as the newest member of the ARC.

2.   Approval of the Agenda

The Chair, Leila Notash, requested that the following item be added to the agenda.

7.4 PPE Results

MOTION:

It was **moved** by Roydon Fraser and **seconded** by Ramesh Subramanian that the agenda be approved as amended.

CARRIED

3. Approval of the Minutes of the June 17, 2016 Meeting

MOTION:

It was **moved** by Stelian George Cosh and **seconded** by Magdi Mohareb that the minutes of the June 17, 2016 meeting be approved.

CARRIED

4. Matter(s) Arising from the Minutes

   No matters to report

5. Chair's Report

   Leila Notash reported on:

   - That she has registered for the Engineers Canada Forum on Accreditation. President George Comrie, Registrar Gerard Mcdonald Past President Thomas Chong, President Elect Bob Dony, Deputy Registrar Michael Price and some Councillors have also registered. Any ARC members who would like to attend can contact Michael Price to register. The deadline for registration is July 26th.

   - The Kingston Chapter invited Marta Ecsedi to give a presentation on PEO's Equity and Diversity policy and module. This was presented at the summer dinner.

6. Deputy Registrar's Report

   Deputy Registrar, Michael Price reported on the following items:

   - Reminder to all members to complete the Equity and Diversity module before the next meeting.

   - Engineers Canada syllabi will be discussed under item 8.5.

   - The Forum on Accreditation is August 17 & 18, 2016. Regulators, Deans, Industry, and Admission Officials will meet. Admission Officials were requested to come up with a collective position. PEO Registrar has advised Engineers Canada that PEO will not participate in any joint position of admission officials on accreditation criteria.

7.   Endorsements

7.1 Reading Assignment of Technical Reports/Synopses

Electrical: "Optimal Control Design and Configuration of Automated VFD Water Booster Pumping Station." Members of the committee suggested Prof. Gordon Hayward from Guelph University or Prof. Frankie Stewart from Ryerson University.

7.2 Issues Arising from ARC/Deputy Registrar Recommendations

No issues to report

7.3 Issues Arising from ERC Recommendations for Applicants Referred by ARC

No issues to report

7.4 PPE Results

Anna Carinci Lio shared with the committee the results from the last PPE examination which took place on June 22, 2016. There was an 87% passing rate.

8.   Procedural and Related Matter(s)

8.1 Licensing Committee Update

Barna Szabados reported that the LIC met on July 12, 2016. There were two major items. The three ARC motions that were passed for the PPE have been accepted and endorsed by the LIC. The second item will be reported under item 8.3 CEAB.

8.2 EChat Forum

No items to discuss

8.3 Canadian Engineering Accreditation Board (CEAB) Update

Bob Dony reported on the latest White Paper that the Deans produced. In order to have greater flexibility in Engineering programs the Deans want to have standardized exams based on the CEQB syllabus. The Deans believe that this will give them greater flexibility. There are very few programs in Canada that follow the syllabi 100%. The LIC thought that a message should be brought forward to the Deans from a regulators point of view.   LIC believes the ARC should have a strong position on this and communicate that to the Deans. The key will be how PEO represents itself and it is critical that PEO has a very clear message at the Forum. Leila Notash will write a statement based on today's discussion. She will email it to Bob Dony, Barna Szabados and Roydon Fraser to get feedback and then it will be circulated to the full committee.

8.4   Canadian Engineering Qualifications Board (CEQB) Update

   No items to report

8.5   CEQB Revised Syllabi (2016)

   A draft of the revised CEQB syllabi was received in the fall of last year. Each engineering discipline had two reviewers who provided feedback to Engineers Canada. The ARC needs to adopt Engineers Canada syllabi as PEO board sheets or revise them before accepting them. Members of the committee are required to review the syllabi and boardsheets by discipline and have them completed by August 19, 2016.

   Ramesh Subramanian and Amin Rizkalla will review Chemical
   Magdi Mohareb and Amir Fam will review Civil
   Barna Szabados will review Electrical
   The draft CIE Boardsheet will be reviewed by Bob Dony and Ian Marsland.
   Meilan Liu to review Mechanical
   Roydon Fraser to review Mechatronics
   Roydon Fraser to review Naval

   Moody Farag brought to the attention of the committee that there are a couple of changes to the Boardsheets. There is a name change to the title it is now titled Boardsheet of the Academic Requirement Committee. Also under academic background, CCPE list was removed as it does not exist anymore, it was replaced by PEO database. MRA also does not exist and it was replaced by Washington Accord.

   It was **moved** by Roydon Fraser and **seconded** by Bob Dony that the changes to the Boardsheet be accepted.

                                                                              CARRIED

   Roydon Fraser suggested that ARC provide feedback to the CEQB on the Food and Agriculture Boardsheet. It was also suggested that the Biomedical Engineering syllabus should also be reviewed by CEQB. The suggestion is for CEQB to look at those Boardsheets in light of international applicants not just Canadian programs. Michael Price will raise both items at the next CEQB meeting in September.
.

8.6   LEC Update

   No items to report

8.7   Communication Infrastructure Engineering (CIE)

Michael Price gave an update from the strategic plan of Council. There have been 36 individuals that have been assessed on a preliminary basis. 5 have applied to PEO, 3 for a P.Eng licence and 2 for a Limited Licence.

8.8   Canadian Experience

Roydon Fraser updated the group on the IIDD. It is a database at Engineers Canada regarding academic assessments of applicants. The IIDD was developed by the International Education Academic Qualifications Committee which is a subcommittee of CEQB.

Canadian Experience - There is a new element and guideline coming through from Engineers Canada on the elimination of a time based approach to the Canadian Experience. Due to human right cases and legal decisions, there could be a cause for concern about the Canadian Experience having any mention of time. Engineers Canada is coming up with a list of competencies. This is important for the ARC from the perspective it is one of the admissions criteria at PEO. One of the points raised is the PPE. Is that sufficient for showing ethics or is there an experience side to ethics? Engineers Canada could get rid of time completely and ethics will not be a part of the Canadian Experience. This is a guideline it does not have to be adopted by PEO.

8.9   P.Eng Expectations

Deferred to the next meeting

8.10   ARC Requirements/ERC Interviews

If someone is the subject expert in an area can they sit on an ERC panel interview? If they process the files and sit on an interview will that be a problem? The question was put to the committee why do we not have ARC Interviews in certain situations? It should be an option and set up as such. In the current Licensing and Registration Policies and Guidelines, there is no process. However, the ARC does have the authority to do it but it has not done it before. What members have to regard is that ERC interviews and those of a Limited Licence or confirmatory are verification of knowledge based on the applicants experience. It is based on descriptions of projects they have performed and applied engineering principles. It is not an oral exam. If necessary an applicant may have to come twice to do both an ERC and ARC interview. Barna Szabados, Roydon Fraser, and Leila Notash will meet following today's meeting to discuss this item further.

8.11   ARC Membership Requirements and Termination

Leila Notash reported on the industrial component being unintentionally removed from the Licensing and Registration Policies and Guideline.

1.4   Constituency, Qualifications, and Appointment Criteria

All ARC members must be Professional Engineers (P. Eng.) ==normally with a minimum of ten years of engineering experience, which may include the research conducted under Master's thesis and PhD dissertation. Both== academic ==and non-academic== members should have experience with undergraduate curricula and the CEAB accreditation processes. Furthermore they are expected to have some industrial experience. The ARC Chair and Vice Chair will review the qualifications of prospective members before submitting their name to Council for approval.

Motion: It was **moved** by Bob Dony and **seconded** by Roydon Fraser, to accept the revision.

<div align="right">

CARRIED

</div>

Leila Notash noted that more clarification is needed in the membership requirements, in regards to the termination of membership. There is one member on the ARC who has not been active in over six years.

1.6   Removal of Members

Council may replace the Chair with just cause in response to a recommendation of a super majority (75 %) of all committee members, and a new Chair shall be appointed to serve the remainder of the Chair's term. Council may remove a member with just cause in response to a recommendation of a supermajority (75%) of all committee members. Members will be asked annually if they wish to continue ==serving== on the ARC. ==If a member is unable to contribute to the ARC activities, including attendance at the monthly meetings and assessment of application files, for at least one year he/she will be removed from the ARC membership list. The individuals with removed membership could join back ARC once they are able to contribute again.==

Motion: It was **moved** by Bob Dony and **seconded** by Stelian George Cosh, to accept the revision.

<div align="right">

CARRIED

</div>

8.12   ERC Report

ERC, Vice Chair David Kiguel, reported on the following items from the ERC:

- LIC requested that the ARC make recommendations on Council Minute 10916:

  - C-468 (Feb. 18, 2011) 10915 12-month experience requirement for licensure. The proposal lightens the 12 month experience requirement for licensure. The subcommittee will recommend that the monitor must be a professional engineer and the requirement of the 30 hours a month monitoring be removed.

- o Policy direction for regulation changes in Licensing. The Subcommittee advised to rescind the motion as the policy direction already exist.

- It was approved that an ERC panel of three members should be conducting Limited Licence interviews. This is a temporary measure to be in place until some recent issues are resolved.

- Improved Interviews Implementation Plan Working Group (I3PWG) was formed to implement the consultant's recommendations. The consultant gave 10 recommendations. The task of the subcommittee is to develop an implementation plan for the recommendations accepted by the ERC. They will present to the ERC in October.

- ERC Procedures Manual: In progress. The draft ERC manual is on its final revisions, it is expected to be published in the next month or two.

10. Other Business

None to report

11. Adjournment

It was **moved** by Barna Szabados and **seconded** by Bob Dony that the meeting be adjourned at 12:46pm.

Next Meetings: August 19, 2016 and September 30, 2016