

## Faculty of Engineering

### Executive Committee

#### Meeting 2019.11

9:00 March 25 2019, in room CBY 707

#### **PRESENT**

J. Beauvais (Dean),  
M. Dubé (Vice-Dean, Research),  
M. Labrosse (Vice-Dean, Undergraduate Studies),  
L. Peyton (Vice-Dean, Graduate Studies, Interim)  
M. Bouchard (Vice Dean, International, Interim),  
D. Taylor (Vice Dean, Quality Assurance & Teaching Innovation),  
T. Lethbridge (Vice-Dean, Governance),  
C. Adams (EECS – CSI)  
C. Rennie (Chair, CVG),  
N. Baddour (Chair, MCG),  
B. Kruczek (Chair, CHG),  
S. Gandolfini (Chief Administrative Officer),  
K. Bournes (Alumni Relations Officer),  
F. Bouchard (Manager of Outreach),  
V. Samson (Manager of Marketing and Communications),  
H. Howes (Manager of Development),  
L. Roy (Assistant to the Dean)

#### **EXCUSED**

C. D'Amours, (Director, EECS)

#### **19.11.01 Approval of the Agenda**

The agenda was approved.

Written reports were circulated from the Vice Dean of Undergraduate Studies, Research, Graduate Studies as well as the Manager of Outreach and the Chief Administrative Officer.

#### **19.11.02 Minutes of the last meeting (February 2019)**

The minutes of the previous meeting had been approved electronically.

#### **19.11.03 Business arising**

There was discussion about the cost of hiring summer students. The contribution of the work-study program has not risen, even though pay rates have risen. As a result, it is harder for professors to find the funds to hire a student.

#### **19.11.04 Update from the Dean**

##### **Health and Safety update**

There was a spill, some welding accidents, and breakage of a water bath in a fume hood. In these cases, proper training had occurred.

## **STEM Update**

There are still glass issues. Facilities are still investigating the cause. The netting was tested and was shown not to be effective, so it needs to be replaced. The Structures lab had to be closed for a while; thanks were expressed to France and Pierre for working hard to re-open it.

## **University Strategic Planning Exercise**

The Dean reported on a successful event held in our Faculty 10 days previously.

There was discussion of the participation of various aspects of the process.

## **Other matters**

The outreach team has enabled the Faculty to be recognized as a private secondary school. However, there have been some questions regarding the bilingual status of this due to unintended consequences of certain government regulations. This matter is being worked on.

## **19.11.05 Questions relating to written reports**

### **Graduate Studies.**

We are trying to make sure that we meet registration targets.

### **Research**

The Vice Dean is still waiting for a large number of research prize award results. We are at a normal rate of nominations and prize awards compared to our past history in this regard.

Prof. Dolgaleva received an Early Researcher Award.

### **Chief Administrative Officer**

S. Gandolfini reported on some budget challenges. We will know much more about next year's budget after the Ontario budget which will be presented in the Legislature on April 18<sup>th</sup>.

Actua had received some money last year; there is hope for funding again this year. This would help our outreach collaboration.

## **19.11.06 Proposals for new faculty positions**

MCG: N. Baddour pointed out that we are the third largest Mechanical Engineering program in Canada, but are much lower than other top programs in number of professors. She presented various statistics, emphasizing the high student-professor ratio. She is requesting various professors, including two professors in mechatronics, a professor in computational solid mechanics, one in biomedical engineering, and one in fluid mechanics.

CHG: B. Kruczek presented statistics showing that the CHG program also has a much higher faculty-student ratio than comparable chemical engineering departments; teaching load is also heavier than at all other chemical engineering departments in Canada. He proposed the following new positions 1) sustainable materials; 2) process control, modeling and optimization.

CVG: C. Rennie discussed some statistics. As with the other departments we have a much higher student-teacher ratio than other universities. He proposed positions in 1) cold regions pavements; 2) applied AI for sustainable and resilient infrastructure (CRC); 3) resiliency and risk assessment of sustainable infrastructure; and 4) resilience to hydrodynamic hazards under climate change.

EECS: C. Adams presented the following positions. 1) Applied AI (potentially CRC), 2) AI – All areas, 3) Internet of Things; 4) Cybersecurity; 5) Embedded systems; 6) Renewable energy

Chairs raised other issues when arguing for each of the positions, including the results of accreditation visits and the need to rebuild capacity.

The Dean will arrange for all Executive members to comment on and rank the positions.

There was further discussion about the process for obtaining the new positions.

### **19.11.06 Adjournment**

The meeting ended at 15:35.

Timothy C. Lethbridge, Vice-Dean (Governance)