

**UNIVERSITY OF TORONTO  
FACULTY OF APPLIED SCIENCE AND ENGINEERING**

**REGULAR MEETING OF THE FACULTY COUNCIL**

**May 30, 2007**

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Present: B.J. Adams (Speaker), R. Adve, J.S. Aitchison, D.G. Allen, C.H. Amon (Dean), T. Barfoot, M.E. Charles, T.W. Coyle, J. Davis, S. DeBuglio, G. D'Eleuterio, P. Filippone, B. Fung, L. de Windt, R. Emami, C.R. Ethier, G.J. Evans, A.A. Haasz, R. Irish, B.W. Karney, E. Kuhn, A. Lagrou, B. McCabe, B. McCann, J. Mostaghimi, F.N. Najm, N. Neebar, J. Nogami, S. Pasupathy, A. Pural, D.W. Reeve, L.D. Reid, L. Romkey, J.S. Rose, E. Ross, A.N. Sinclair, R. Srdic, A. Stelmacovich, C. Variawa, F.J. Vecchio, J. Wang, W. Yu, D.W. Zingg

Guests: K. Brand, K. Doan, M. McKone, A. Ozolins

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**1. Adoption of the Minutes of the Previous Meeting**

Moved to accept by Prof. Karney and seconded by Prof. Evans.  
Motion to approve passed unanimously.

**2. Business Arising from the Minutes**

None.

**3. Reports of Special Committees**

For Information:

- (i) Report #3202 Engineering Alumni Honours and Awards Committee

Ms. S. De Buglio introduced this report for information.

- (ii) Report #3203 Membership of the Standing Committees 2007/08

Prof. G. Evans introduced this report for information.

**4. Reports of Standing Committees**

For Approval:

- (i) Report #3204 Engineering Graduate Education Committee

Dean Amon moved to approve report, seconded by Prof. B. McCabe.  
Motion to approve report accepted and passed unanimously.

- (ii) Report #3206 Curriculum Committee (Academic Program Load and Session Credit)

Dean Amon moved to accept and invited Prof. D'Eulerio to provide comments on this Report.

Prof. D'Eulerio noted that there wasn't a faculty wide policy on academic load and that this Report recommended that full time students have the option of reducing their academic load by 0.50 credit (not including core courses). Prof. Sinclair asked why it was acceptable for students to drop an elective course and not a core course. Prof. D'Eulerio responded that core sequencing was more important than an elective as electives have more leniency. Prof. D'Eulerio further stated that the new policy would be much more in line with others across campus.

Motion to approve report accepted and passed unanimously.

For Information:

- (i) Report #3205 Standing Committee on Scholarships and Awards

Prof. Vecchio introduced this report for information and added that \$825,000 had been allocated by the Committee in meetings held in the Spring of 2006.

## **5. Matters brought by the Dean, Vice-Dean, Undergraduate, Vice-Dean, Graduate Studies, Vice-Dean Research and Chair of First Year**

### **Dean Cristina Amon**

#### Senior Appointments

The Dean was pleased to note three new academic appointments; Prof. Stewart Aitchison Vice-Dean, Research (effective April 1), Prof. Grant Allen, Vice-Dean, Undergraduate (effective July 1) and Prof. Christopher Yip, Interim Director IBBME (effective July 1). She extended her thanks to Prof. Javad Mostaghimi, Prof. Greg Evans and Prof. Ross Ethier, who were completing their administrative terms.

#### Awards

The Dean gladly reported on the following awards were noted:

Prof. Miriam Diamond, Chemical Engineering, named Canadian Environmental Scientist of the Year, by Canadian Geographic on May 1, 2007.

Prof. Yu-Ling Cheng, Chemical Engineering, was the 2007 recipient of the Faculty Award.

Mr. Shi Xin, Engineering Science student, was the 2007 recipient of the Jon S. Dellandrea Award for International Students.

Prof. Tom Chau, IBBME, and Brendan Frey, ECE, were named Top 40 Under 40 for their achievements and contributions to society.

Prof. Susan McCahan, Chair, First Year, was one of the five recipients of the President's Teaching Award. Prof. McCahan was also the recipient of a 3M National Fellowship Teaching Award in 2007 and part of the Faculty's team that received the 2007 Alan Blizzard Award for collaboration in teaching. Other Blizzard recipients were Philip Anderson, senior lecturer in ECE; Prof. Robert Andrews of Civil; Professor Mark Kortschot of Chemical; Sandy Romas, administrative assistant; Peter Weiss, senior lecturer in the engineering communication program and Prof. Kimberly Woodhouse of Chemical.

It was noted that the Faculty of Applied Science and Engineering is the only engineering faculty in Ontario to receive awards in two out of three categories of the Premier's Innovation Awards.

Professors Parham Aarabi, ECE, was awarded the inaugural Premier's Catalyst Award for Best Young Innovator and Prof. Andreas Mandelis, MIE, received the first Premier's Discovery Award for Natural Sciences and Engineering.

Chairs were invited to provide updates on any awards that may have been missed.

Prof. Tony Haasz reported that Prof. Peter Hughes had won the Chapman Award from the Canadian Space Agency; the highest accolade one could receive from this Agency.

#### Faculty Committee on Nominations of Honours and Awards

Dean Amon stated that she had established a Faculty Committee on nominations for Honours and Awards to interface with the departmental committees and to consider discipline-independent nominations. She thanked Prof. Emeritus Michael Charles for agreeing to Chair this committee and thanked this newly formed committee and members; Profs. Bruce Francis, Tony Haasz, Alex McLean, Jeff Packer, Michael Sefton and Jean Zu.

#### Academic Initiatives Fund

Dean Amon was pleased to report that 4 of the 5 Engineering submissions were funded, with an invitation to submit a revised version of the unsuccessful proposal in the next round. The submissions were: Prospective Professors in Training (PPIT), Integrated Security Technologies and Policies Lab; Division of Environmental Engineering and Energy Systems; and Diversity Program.

#### Student Enhancement Fund

Dean Amon was very pleased to report that all of this year's Engineering submissions received funding. The submissions were, Undergraduate Chemistry Labs, Student Communication and Engagement, and Material Science and Engineering Common Room

#### New Budget Model

Dean Amon spoke to the new budget model and noted that the Faculty's new Budget Committee has been hard at work to determine a fair and effective way to roll out the model to various Departments and Institutes. She thanked the Committee members;

Profs. Will Cluett, Ross Ethier, Greg Evans, Jonathan Rose and Ms Catherine Gagne It was also noted that Profs. Grant Allen and Chris Yip had recently joined the Committee.

#### CEAB Visit

The Dean extended her gratitude and appreciation to everyone who participated in the recent CEAB visit and advised that the visiting team's report had been received and a response would be issued. A written report on accreditation status would be expected shortly after the CEAB accreditation meeting which was taking place from June 10-12.

#### Task Force on Admission and Student Performance

The Dean reminded members that a Task Force was recently struck with a mandate to examine the Faculty's admissions process and develop admissions criteria based on performance data and develop recommendations concerning the admissions process and support for improving student performance. The Task Force is chaired by Susan McCahan with members Greg Evans, Brenda McCabe, Helen Varley and Chris Yip.

#### Faculty Innovation Administrative Team

The Dean announced a new working group within the Faculty which will be called FIAT (Faculty Innovation Administrative Team). This group will bring together representatives from across many areas several times a year to discuss administrative support issues, as well as to create innovation within the Faculty on a myriad of issues. FIAT has met twice and had very productive discussions.

#### Dean's Meetings with Faculty and Staff

The Dean noted that she had had an opportunity to meet with most faculty members the Faculty's administrative team since she began her term, through a series of informal luncheons. She has been receiving helpful input from the broad committee.

#### Task Force on Dean's Advisory Board

The Dean stated that this task force was chaired by Alumnus Paul Cadario with a view to revising the mission and constituency of the Dean's Advisory Board.

#### EAA – Engineering Alumni Association

The EAA was also revising their activities and defining tasks.

#### Task Force to Review the Faculty Constitution and Operations of Council

This task force has been working hard all year with a mandate to review the structure and membership of the Council and its Committees. The Dean noted that she had asked the Committee to submit its report to her and she hoped to be in a position to report more at the next Faculty Council meeting.

## Convocations

The Dean thanked all of the presenters and hooders who volunteered for the Convocation ceremonies to be held on June 21<sup>st</sup> and, considering the importance of the event, encouraged all members to participate.

In closing, the Dean stated that it had been a challenging and exciting year for the Faculty and thanked members for their support and all their contributions to the Faculty.

### **Professor Greg Evans (Vice-Dean, Undergraduate)**

Prof. Evans noted that it would be his last opportunity to address Council as Vice-Dean, Undergraduate. He stated that he was happy to report that the accreditation process was almost over and was optimistic for a favourable outcome. He also noted that the Science Outreach program had grown and a new offering of a science program this summer would be spread across 15 communities. Prof. Evans reported that the National Society of Black Engineers had an incredible year, with a successful pre-College initiative launched and further launch of chapters in 25 high schools. He noted that this upcoming Convocation was the double cohort class graduating.

### **Professor Brenda McCabe (Vice-Dean, Graduate)**

Prof. McCabe reported on the graduate expansion and noted a main focus on the MEng program. She then congratulated the members of the PPIT program, which she was looking at possibly extending for Postdoctorals.

### **Professor Stewart Aitchison (Vice-Dean, Research)**

Prof. Aitchison reported that he was looking forward to working with everyone in his new capacity.

## **6. Submissions from members**

None.

## **7. Other business**

Andrew Stelmacovich, Executive Director of Advancement, provided an update, including news that \$11.1 million had been raised this year.

## **8. Questions from members**

None.

## **9. Announcements:**

- (i) Presentation of the 2006/07 Faculty Teaching Award to: Professor Raviraj Adve.
- (ii) Presentation of the 2006/07 Early Career Teaching Award to: Professor Wei Yu.
- (iii) Presentation of the 2006/07 Agnes Kaneko Award to: Ms. Brenda Fung

- (iv) Acknowledgement of academic administrators completing terms: Professor Ross Ethier, Professor Greg Evans and Professor Javad Mostaghimi.
- (v) Acknowledgement of the service of retiring members of the Faculty: Professor Lloyd Reid, Professor Ian Blake, Professor Douglas Lavers and Professor Subbarayan Pasupathy.

### **Adjournment**

**MOVED** Dean Cristina Amon, seconded by Prof. Greg Evans **CARRIED**