

University of Waterloo
SENATE
Minutes of the Tuesday, May 20, 2008 Meeting

Present: David Johnston (Chair), Lois Claxton (Secretary), Samuel Andrey, Allan Babor, Dan Brown, Graham Brown, Steve Brown, Kevin Cai, Amit Chakma, Tom Coleman, Tara Collington, Shannon Dea, David DeVidi, George Dixon, Peter Douglas, Tom Duever, Jean Duhamel, Keith Hipel, John Honek, Dennis Huber, Beth Jewkes, Kevin Lamb, Brendon Larson, John Lawrence, Heather Mair, Roger Mannell, Spencer McEwan, Terry McMahon, Elizabeth Meiering, Bruce Mitchell, Stephen Murphy, Christopher Neal, John North, Wayne Oldford, Henry Paetkau, Jim Pankratz, David Perrin, Rashid Rehan, Metin Renksizbulut, Sharon Robertson, Matthew Schumacher, Adel Sedra, Alan Shonfield, James Skidmore, Craig Sloss, Peter Van Beek, Jenna Van Draanen, Beth Weckman, Kathleen Wilkie, Justin Williams, Susan Wismer, Michael Worswick, Frank Zorzitto

Mariela Gutiérrez, Peggy Jarvie, Geoff McBoyle, Jatin Nathwani, Chris Read, Catharine Scott, Mark Seasons, Brandon Sweet, Sean Van Koughnett, Bud Walker

Absent: Carol Acton, Aswin Alexander, David Barton, Jane Buyers*, Sujeet Chaudhuri, Ken Coates*, Tristanne Connolly, Fraser Easton, Alan George*, James Gollnick, Bob Harding*, Mark Haslett*, Lu Jiang*, Bob Kapur*, Richard Kelly*, Ken Lavigne*, Mike Lazaridis*, John Lewis, Maria Liston, Paul McDonald, Bruce Richter, Bob Rosehart*, Deep Saini*, Selva Selvakumar, Douglas Stebila*, Dermot Sweeny, Myroslaw Tataryn*, Nancy Théberge*, Robert Jan Van Pelt*

*regrets

OPEN SESSION

Consent Agenda

Senate heard an omnibus motion to approve or receive for information by consent items 1-4 [below].

1. APPROVAL OF MINUTES

The minutes of the April 21, 2008 meeting were approved as distributed.

2. REPORT OF THE CHAIR

Recognition and Commendation. Senate received this report for information.

3. REPORTS FROM THE FACULTIES [revised AHS report at Senators' places]

Senate received these reports for information.

4. OTHER BUSINESS

Report of the COU Academic Colleague. Senate received this report for information. On behalf of Senate, the Chair offered his thanks to Professor Gutiérrez for her stunning and sterling contributions as Academic Colleague and welcomed Senator Wismer, her successor.

Roster of Graduands. Senate delegated approval of the roster of graduands to its Executive Committee.

Chakma and Rehan. Carried.

Regular Agenda

5. Business Arising from the Minutes

Elections to Senate Committees and Councils and to the Board of Governors [ballot at Senators' places]. Having received no further nominations from the floor, Senate heard a motion to acclaim

John Honek and Michael Worswick to the Board of Governors as faculty Senator representatives.

Chakma and Skidmore. Carried.

6. PRESENTATIONS

Capital Projects. Senate received this update (totalling \$332.2 million) for information. In response to a question on the rising costs of the Quantum-Nano Centre, Senate heard that the building program has almost doubled from its first iteration (originally the building was to house just Quantum; Nanotechnology was subsequently added), the science of the building is state-of-the-art (e.g., clean room), and construction costs are shared equally by Quantum and Nanotechnology. IQC has enough funding to pay its share, the result of donations and endowments; because Nano has an undergraduate program, it has a cash flow arising from student fees which will contribute to paying its portion of capital costs. The massing of the building, given the size of the site, was acknowledged.

[**Note:** Funding for the Quantum-Nano Centre is set out in the Building & Properties Committee's report to the Board of Governors (June 3, 2008) as follows: "Funding comes from seven major sources: donations (\$36 million); provincial grant (\$50 million); grant and tuition revenue from the Nanotechnology program (\$21.5 million); Canada Foundation for Innovation clean-room research grant (\$6.75 million); University capital funds (\$15.75 million); financing (\$30 million). The \$30 million financed component will be funded from future grant and tuition revenue from the Nanotechnology program as well as future donations and will be repaid in approximately 20 years."]

Housing Update [www.secretariat.uwaterloo.ca/20080520housing.pdf]. The Director of Business Operations reported on the September 2007 first-year student guarantee "over commitment," the public-private partnerships (north community at Columbia Lake Village, proposed 500-bed facility on Phillip Street), the off-campus housing interactions with the City (UW's strategy includes high density, small apartment, supervised student housing adjacent to campus), the living-learning communities (in fall 2008 there will be ~500 students in four communities: Accounting & Finance, Arts & Business, Environment, and Health Studies), the Media and Mobility Network Project (replace residence land lines and cable TV with IP based services, replace student resident cellular with dual mode wifi / cellular, and provide IPTV and other content to residents), and the launch of VeloCity (where UW's most talented, entrepreneurial, creative, and technologically savvy student will be united under one roof to work on the future of mobile communications, web, and new media) in September 2008.

In response to questions, Senators heard: additional resources for VeloCity (the residence needed updating in any event) were minimal as partners were donating both expertise and technology; UW is looking to expand housing for graduate students through public-private partnerships.

Waterloo International [www.secretariat.uwaterloo.ca/20080520wi.pdf]. The Director of International Programs provided background, spoke to WI 6th decade goals, services, support for visa students and visiting scholars and mobility programs, and commented on international research, alumni, delegations and recruitment.

7. REPORT OF THE CHAIR

Welcome to New / Continuing Senators. The Chair welcomed the following: ex officio – David DeVidi (President, Faculty Association), Justin Williams (President, Federation of Students), and Craig Sloss (President, Graduate Student Association); faculty – Carol Acton (St. Jerome's University), Dan Brown (Computer Science), Kevin Cai (Renison College), Shannon Dea (Philosophy), Kevin Lamb (Applied Mathematics), Brendon Larson (Environment & Resource Studies), John Lawrence (Pure Mathematics), John Lewis (Planning), Maria Liston (Anthropology),

Heather Mair (Recreation & Leisure Studies), Wayne Oldford (Statistics & Actuarial Science), Bruce Richter (Combinatorics & Optimization), Nancy Théberge (Kinesiology), Peter Van Beek (Computer Science), Robert Jan Van Pelt (Architecture), and Beth Weckman (Mechanical & Mechatronics Engineering); undergraduate – Aswin Alexander (at large), Samuel Andrey (Science), Allan Babor (Arts), Lu Jiang (at large), Christopher Neal (Mathematics), and Alan Shonfield (Environment); graduate – Rashid Rehan (Civil & Environmental Engineering) and Matthew Schumacher (Earth Sciences).

Academic Colleague. At the Chair's invitation, Professor Gutiérrez reflected on her experience serving as Academic Colleague, encouraging others to consider accepting the role. She spoke to a number of matters the colleagues were engaged in, including: MTCU's interest in enhancing mobility among students in post-secondary institutions (the concern that universities will be pressured to 'count' college courses with similar titles as university credits was raised along with a question of whether university presidents are prepared to resist this); whether the current structure of Executive Heads / Academic Colleagues meetings should be revisited to allow more integration of proceedings; the changes approved by the Executive Heads re: quality assurance at the graduate level.

Environmental Scan [www.secretariat.uwaterloo.ca/20080520es.pdf]. The Chair distributed "Innovative approach to care leads to faster, better treatment for heart attack patients" (Grand River Hospital and St. Mary's Hospital Spring 2008 Newsletter) re: ECG results displayed on the BlackBerry. He then spoke to the following:

- **National Overview.** Statistics Canada has released data from the 2006 Census that shows that educational attainment has a positive economic outcome for individuals. The median earnings for those with Bachelor's degrees were \$56,048 while those with graduate degrees had earnings of \$66,535. Those Canadians with a registered trade or apprenticeship earned \$2,600 more than those who possessed a high school diploma and whose median income was \$37,403. Figures from the Kitchener CMA show how the region is outpacing the national average on every measurement. This evidence underscores the value of lifelong learning and improving credentials, a key component of UW's graduate expansion plans.
- **Provincial Overview.** The Director of the Institute for Quantum Computing, Raymond LaFlamme, received one of the four Premier's Discovery Awards that "celebrate the research excellence of Ontario's most accomplished researchers by highlighting their individual achievements and demonstrating Ontario's attractiveness as a global research centre." UW spinoff RapidMind Inc. was awarded "Start-up Company with the best innovation" and is an example of how great ideas that get their start on campus can be nurtured, developed, and supported.
- **Local Overview.** UW and Conestoga College have announced a \$4 million donation to establish five research chairs dedicated to enhancing the health and care of seniors in Ontario and across Canada. The donation comes from former UW Professor Ronald Schlegel, adding to his initial \$2 million donation to found the Schlegel-UW Research Institute for Aging (RIA). Four of the research chairs on aging (cost-shared with UW, not endowed, for 10 years) will be based at UW and a program chair for enhanced seniors' care will be located at Conestoga College. UW's building boom continues, with groundbreaking ceremonies for Engineering V on June 5 and the Quantum-Nano Centre on June 9. A media content delivery startup founded by UW graduates has partnered with the University to deliver UW Mobile, an information digest showcasing important UW news that is downloadable to a BlackBerry device. The digest is updated weekly and includes research profiles, reviews of special events on campus, and other relevant information. The Perimeter Institute for Theoretical Physics has named its new Executive

Director, Neil Turok (Chair of Mathematical Physics at Cambridge University in England), whose five-year appointment begins October 1.

8. REPORT OF THE VICE-PRESIDENT, ACADEMIC & PROVOST

Executive Council Priorities [www.secretariat.uwaterloo.ca/20080520ecp.pdf]. The Provost briefly reported on the Executive Council Priorities 2007-08, including the smart projects and new priorities for 2008-09. He noted that UW continues to work on the projects identified last year and, because of time sensitivity, has identified administrative processes (Alan George, Dennis Huber and Geoff McBoyle are spear-heading this) and career-focused graduate expansion for increased attention. He advised that at a future meeting he will present a summary of progress on these priorities as well as a special presentation on career-focused graduate expansion.

9. REPORTS FROM COUNCILS

Graduate & Research

- **Interdisciplinary Centre on Climate Change (IC³)**. Senate heard a motion to approve the establishment of this new centre, effective June 1, 2008.

Dixon and Chakma. Carried.

- **Waterloo Institute for Sustainable Energy (WISE)**. Senate heard a motion to approve the establishment of this new institute, effective June 1, 2008.

Dixon and Sedra. Carried.

The Vice-President University Research advised that the Council is looking at the usage of the terms centres and institute which currently seem to be applied interchangeably.

- **Computer Networking & Security, Software Engineering, Sustainable Energy, Management Engineering (Graduate Certificates Awarded with the MEng, Electrical & Computer Engineering)**. Having heard from the Dean of Engineering, in response to a question, that he believed there were consultations between ECE and CS concerning this certificate, and that all courses referred to are existing courses, Senate heard a motion to approve the establishment of these four University-level certificates, as outlined in the report.

Dixon and Chakma. Carried.

- **MSc Research Paper Option (Earth & Environmental Sciences)**. Senate heard a motion to approve that the number of courses required for this option be reduced from eight to six.

Dixon and McMahon. Carried.

The remaining item in this report was received for information.

Undergraduate

- **Safety Orientation Training (Applied Health Sciences, Engineering, Environment, and Science)**. Senate heard a motion to approve this new requirement for all students in the Faculties of Applied Health Sciences, Engineering, Environment, and Science.

Chakma and McMahon. Carried.

- **Co-op Requirements (Applied Health Sciences).** Having heard, in response to a question, that students get a credit for this work-term report, done as part of the work-term experience, Senate heard a motion to approve the requirement for all co-operative education students in the Faculty of Applied Health Sciences to take PD2 “Critical Reflection and Report Writing” during their first work term, normally following their 2A semester on campus.

Chakma and Mannell. Carried.

- **Science & Business, Regular (Science).** Senate heard a motion to approve the inactivation of direct admission to the Science & Business, Regular, plan.

Chakma and McMahon. Carried.

- **Academic Program Review Report - School of Architecture.** The Associate Provost, Academic & Student Affairs noted [item 3, p. A32] students did not have to petition the University for basic standard services at Cambridge. Rather, since the University was entering uncharted waters with the move of Architecture to Cambridge, it was decided to wait and see what student services were necessary at Cambridge since it was not sensible to duplicate all student services. After a couple of terms and a meeting with Architecture students, it was agreed that the four services mentioned in item 3 be provided. Also [item 6, p. A33], the School’s response relates to teaching assistantships which are not scholarships.

The remaining items in this report were received for information.

10. OTHER BUSINESS

June Senate Agenda. Senate heard a standing motion to approve that the June Senate Executive Committee agenda be electronically distributed to Senators in advance of the Executive Committee meeting, inviting comment on the need for Senate to meet in June, and where the Executive Committee subsequently determines there is no need for Senate to meet, that Senate delegate to the Executive Committee authority to transact the necessary business on behalf of Senate.

Chakma and Sedra.

In response to one Senator’s concern that by passing this motion, Senate is ceding its power to its Executive Committee absent a stated threshold, following brief discussion, Senate then heard a motion to table the motion.

Sloss and McEwan. Carried.

Senate convened in Confidential Session.