



Senate Committee on Academic Development
Report to Senate - Meeting of October 24, 2011

**Establishment of the Hazell Research Professorship in Chemical Design
and Innovation**

Introduction

The proposal to establish the Hazell Research Professorship in Chemical Design and Innovation in the Faculty of Engineering and Applied Science was reviewed by the Senate Committee on Academic Development (SCAD) at its meeting of October 5, 2011. J. McLellan, Head, Department of Chemical Engineering, attended the SCAD meeting to speak to the proposal and to answer questions from members of SCAD. Members of SCAD were also provided with background documentation provided by the Faculty of Engineering and Applied Science. A copy of the documentation is attached to the report.

Analysis and Discussion

The following highlights are noted:

- The fund to establish the Hazell Research Professorship was donated by E. Hazell (B.Sc. '81) in honour of his parents, both of whom graduated from Queen's University in the 1950s;
- The holder of the Professorship will provide leadership to the Faculty of Engineering and Applied Science by: championing the integration of Chemical Design and Innovation into the curriculum of both undergraduate and graduate programs; promoting linkages between industry; and participating in the teaching activities in the department;
- The inaugural Professorship will be held by an internal faculty member in the Department of Chemical Engineering. Future competitions will be open to both external and internal candidates;

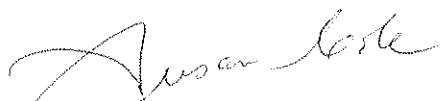
.....2

Page 2

Motion

that Senate approve the establishment of the Hazell Research Professorship in Chemical Design and Innovation, in the Faculty of Engineering and Applied Science subject to ratification by the Board of Trustees.

Respectfully submitted,



Susan P. C. Cole, PhD, FRSC
Chair, Senate Committee on Academic Development

Committee Members:

M. Baird, Department of Chemistry
A. Brown, School of Nursing
S. Cole, Deputy Provost (Chair)
J. Emrich, Faculty of Law
D. Garvie, Economics
K. Gossen, J.D. '12
U. Iqbal, Ph.D. '12 Candidate, Engineering & Applied Science
I. Johnsrude, Psychology
L. Long, Computing B.Sc. '13
P. Oosthuizen, Academic Colleague
P. Watkin (Secretary)

Memo



TO: Georgina Moore, Secretary to Senate

COPY: Celia Russell, Associate Secretary to Senate

FROM: Ann Messenger, Secretary to Faculty Board
Faculty of Engineering and Applied Science

DATE: September 14, 2011

SUBJECT: The Hazell Research Professorship in Chemical Design
and Innovation

FACULTY OF ENGINEERING AND APPLIED SCIENCE
OFFICE OF THE DEAN

Beamish-Munro Hall, Room 200
Queen's University
Kingston, Ontario, Canada K7L 3N6
Tel 613 533-2055
Fax 613 533-6500
<http://appsci.queensu.ca/>

As required under the Senate *Policy on the Establishment and Designation of Named and Funded Chairs and Professorships (2010)*, the Engineering and Applied Science Faculty Board considered, on September 14, 2011, a proposal for the establishment of an endowed Faculty Professorship, The Hazell Research Professorship in Chemical Design and Innovation (attached). The Board approved, unanimously, the following Motion:

that the Faculty of Engineering and Applied Science Faculty Board recommend to Senate the establishment of an endowed Faculty Professorship, to be known as " The Hazell Research Professorship in Chemical Design and Innovation."

An electronic version of the proposal can be found at:

<http://engineering.queensu.ca/Governance/Faculty-Board/Meetings/files/ProposalHazellProfessorshipFEAS.pdf>

Ann Messenger
Secretary, Faculty Board
Faculty of Engineering and Applied Science

Queen's Faculty of Engineering and Applied Science

The Hazell Research Professorship in Chemical Design and Innovation

Establishment of Fund

The Hazell Research Professorship Endowment Fund was established by Evan Hazell (BSc. '81) to honour his parents, Dr. John Hazell (BA '55, MA '56), and Mary Hazell (BNSc '56).

Purpose

Chemical design and innovation – advancing materials by chemical design and innovation, and advancing production by chemical design and innovation - is driven by the aspirations and needs of society, and put into practice by drawing from a strong base of fundamental knowledge and its application. The endowed *Hazell Research Professorship in Chemical Design and Innovation* will support an accomplished member of the Chemical Engineering department to provide the leadership to grow this distinctive area of focus.

The holder of the Hazell Research Professorship will provide leadership in Chemical Design and Innovation, both within the department and the university, in their subject area of expertise. The Hazell Research Professor will work closely with the lead for Design in the Curriculum in Chemical Engineering, and other faculty in the department, to champion the integration of Chemical Design and Innovation in our undergraduate and graduate programs. In addition, the Hazell Research Professor will promote linkages between industry and the Chemical Design and Innovation research and teaching activities in the department.

Criteria

Desirable qualifications are a doctoral degree in engineering with a focus on chemical engineering or engineering chemistry, and knowledge of chemical engineering/engineering chemistry practice. He or she should have a record of proven success in developing and maintaining research and collaborative relationships with both academics and industry. Key criteria for appointment will be the applicant's reputation and scholarship, the applicant's record of success in developing research in chemical design and innovation with a particular focus on advancing materials and production, the applicant's demonstrated teaching skills, and ability to supervise highly qualified personnel.

The professorship will be held in the Department of Chemical Engineering. Open to both external and internal candidates, the inaugural Professorship will be held by an internal faculty member in the Department of Chemical Engineering.

Nomination procedure

Individuals may self-nominate or be nominated by others. In all cases, candidates must provide a current curriculum vitae, a brief summary of their research plans for the next five years, and any other relevant material that they choose. External candidates must follow regular University hiring procedures.

Selection procedure

Selection will be made by a committee comprised of three members from the Chemical Engineering Appointments Committee, selected by department faculty using a secret ballot, the Associate Dean of Research, Graduate Studies, and External Affairs or designate, one graduate student and one undergraduate student representative. The Dean or designate will chair the committee.

Terms of the Award

The Hazell Professorship in Chemical Design and Innovation is awarded for a one to five year period. Recipients receive a minimum of \$10,000 in research funding per year during the tenure of the award. With the approval of the Head of the Department, the Professor may receive a reduction of teaching responsibilities equivalent to a single term course, per year, during the tenure of the award.

Renewable

The Professorship will be appointed for a term of 1 year to 5 years and be held for a maximum of 10 years. A full review by a committee appointed by the Dean will be undertaken upon consideration of renewal of the Professorship regardless of the initial appointment period.

A CHECKLIST OF INFORMATION REQUIRED BY THE SENATE FOR PROPOSALS TO ESTABLISH AND DESIGNATE NAMED AND FUNDED CHAIRS AND PROFESSORSHIPS

The Senate determines all matters of an academic character which affect the University as a whole. Senate approves the establishment and designation of named and funded Chairs and Professorships based on the recommendation of the Senate Committee on Academic Development (SCAD) and the Office of the Provost and Vice-Principal (Academic). The Senate will forward the approved proposal to the Queen's University Planning Committee (QUPC) for review and comment and then to the Board of Trustees for ratification.

The governing policy document is: *Policy on the Establishment and Designation of Named and Funded Chairs and Professorships (2010)*. Based on the parameters provided in the policy, the following information should be included in the proposal submitted to the Senate.

1. TITLE

- Type of proposal:
 - **Professorship**
- Proposed name of the Chair/Professorship and area(s) of academic endeavour.
 - **The Hazell Research Professorship in Chemical Design and Innovation**
 - **Chemical Engineering/Engineering Chemistry**
- Host department/faculty
 - **Chemical Engineering/Faculty of Engineering and Applied Science**
- Term of appointment
 - **1 to 5 years, renewable to a maximum total appointment of 10 years**

2. ACADEMIC INFORMATION

- Responsibilities of the Professorship
 - Research
 - **He or she will undertake research at the frontiers of chemical design and innovation to meet the aspirations and needs of society, growing this distinctive focus in the Department of Chemical Engineering.**
 - Teaching and Graduate Supervision
 - **Providing undergraduate and graduate instruction.**
 - **Supervising and mentoring graduate and undergraduate students.**
 - Other (including but not limited to service)
 - **Providing leadership in chemical design and innovation both within the Department of Chemical Engineering and the university more broadly.**
 - **Working closely with the Lead for Design in the Curriculum in Chemical Engineering and other faculty in Chemical Engineering and the Faculty to**

- champion the integration of chemical design and innovation in the department's undergraduate and graduate programs.**
 - Promoting linkages between industry and the chemical design and innovation research and teaching activities in the department.**
 - Preparing an annual stewardship report to the donor.**
-
- Identify how the Chair/Professorship will contribute to the goals of the academic unit and the university.
 - The primary contribution which the Professor will make to the goals of the Department and Faculty is the enhancement and growth of research and study in chemical design and innovation for advancing materials and production to address societal needs (e.g., sustainability). The Professorship will stimulate both collaborative research and activity between academia and industry, enhance graduate research, and bring additional national and international recognition to the Chemical Engineering and Engineering Chemistry programs at Queen's University.**
 - Identify interdisciplinary connections, if applicable.
 - The Professor will be actively involved at both the national and international level with professional societies and will facilitate inter-departmental, inter-faculty and inter-institutional initiatives to further chemical design and innovation research in Canada.**
 - He or she will work closely with industry, engineers and basic scientists both within Queen's University and the regional community, plus researchers and industry nationally and internationally, to place Queen's University as a leader in chemical design and innovation.**
 - Any other relevant academic information.

3. BUDGET INFORMATION

The following table highlights the funding sources available to cover the salary, benefit, and research support costs associated with the proposed Professorship for the first five years.

The Hazel Endowment in Chemical Design and innovation							
	Year 1	Year 2	Year 3	Year 4	Year 5		Total
Revenue/Funding							
Endowment value	\$1,500,000						
Endowment units @2.4048 July 31, 2011	623,752.50						
Annual yield \$0.1098 per unit (2010/11)	\$68,488						
Endowment Income (no change in annual yield)	\$68,488	\$68,488	\$68,488	\$68,488	\$68,488	✓	\$342,440
Base Funding from Faculty	\$94,912	\$102,265	\$109,960	\$118,160	\$126,748	✓	\$552,045
Total Revenue/Funding	\$163,400	\$170,753	\$178,448	\$186,648	\$195,236		\$894,485
Expenses							
Salary (assume 4% increase per year)	\$130,000	\$135,200	\$140,608	\$146,232	\$152,082	✓	\$704,122
Benefits (see note below)	\$23,400	\$25,553	\$27,840	\$30,416	\$33,154	✓	\$140,363
Total Salary and Benefits	\$153,400	\$160,753	\$168,448	\$176,648	\$185,236	✓	\$844,485
Research Support for Chair	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	✓	\$50,000
Total Expenses	\$163,400	\$170,753	\$178,448	\$186,648	\$195,236	✓	\$894,485
Note: Annual benefits rate (as per June 23, 2010 Budget and Staffing Planning Assumptions)	18.0%	18.9%	19.8%	20.8%	21.8%		
Benefits inflation rate	5%	5%	5%	5%	5%		

4. APPROVAL

Proposals must be signed and dated to indicate department and/or faculty approval.

Faculty:  Date: September 14, 2011
Kimberly Woodhouse, Dean Faculty of Engineering and Applied Science

5. SUBMISSION TO SENATE

Submit signed proposal to: Secretary of the Senate

senate@queens.ca

Proposals will be referred by the Secretary of the Senate to SCAD and the Office of the Provost and Vice-Principal (Academic).

Policy: <http://www.queensu.ca/secretariat/policies/senateandtrustees/chairsestablishment.html>