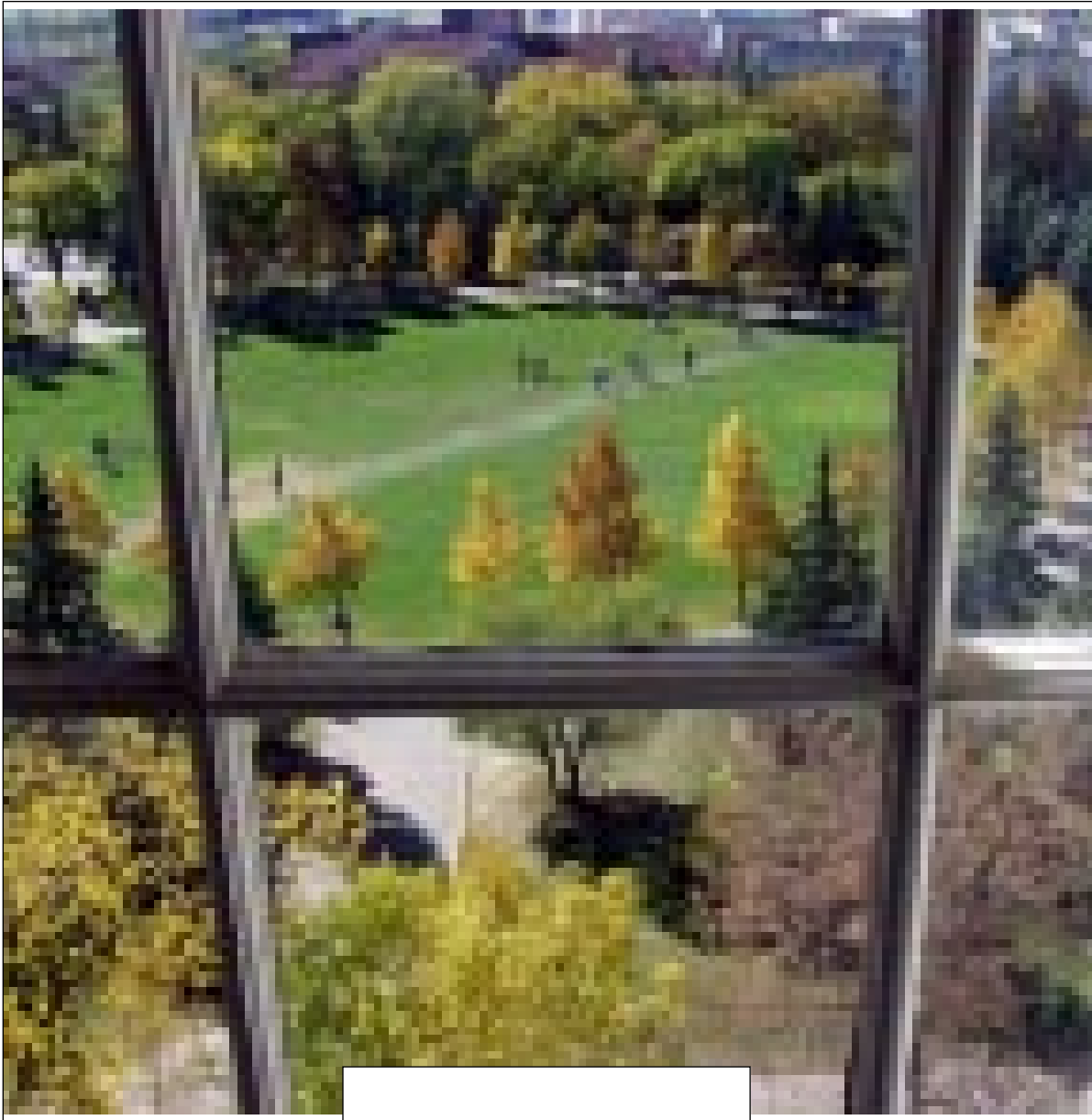




2005/2006

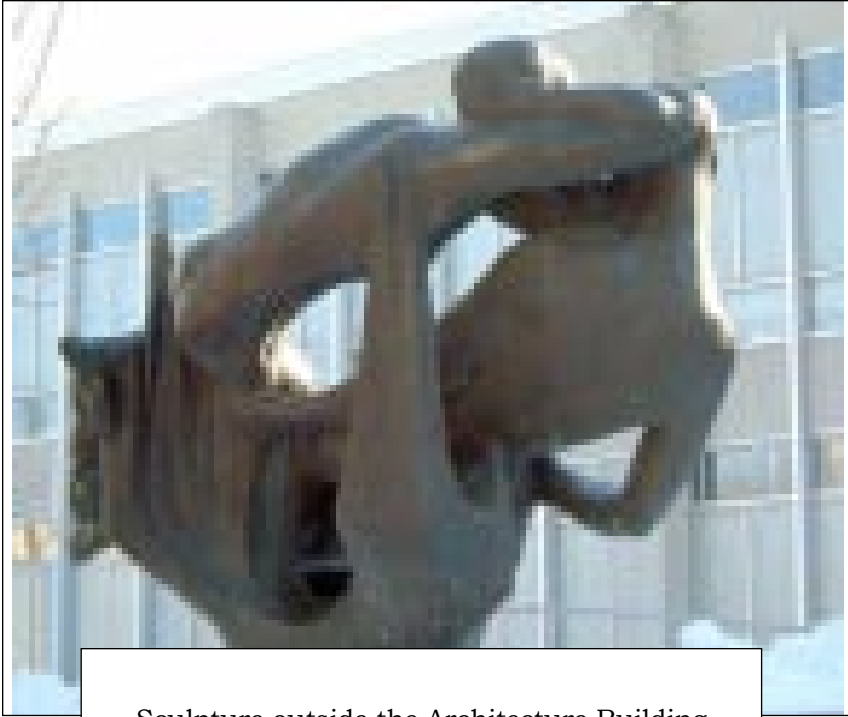
ANNUAL REPORT

*transforming...*



View of the Quad from the  
Fletcher-Argue Building





Sculpture outside the Architecture Building



Outside the Art Barn

# CONTENTS

# 2005

Annual Report

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# 2006

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Our Students	21
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# THE FGS TEAM



**Dean:** *Dr. John (Jay) Doering*

**Associate Deans:** *Dr. Karen Jensen, Dr. Kevin Coombs, Dr. Thomas Hassard*

**Admissions and Programs Officer:** *Simone Hernandez-Ramdwar*

**Admissions:** *Andrea McLaughlin, Cassandra Davidson, Edwina Shwedyk (on leave)*

**Awards:** *Christal Barkman, Marcia Labiuk, Rowena Krentz (on leave)*

**Programs:** *Betty Ann Wood, Brenda Grabowski, Tannis Campbell*

**Communications:** *Gene Senior*

**Assistants to the Deans:** *Andrea Kailer, Joyce Culligan*

**Reception:** *Brenda Frobisher, Dianne Mutuc, Jill Rowe*

**Technical Support:** *Brendan MacMillan, Ron Pluchinski*

The University of Manitoba  
**Faculty of Graduate Studies**  
 Organizational Chart / Summer 2006

FACULTIES		
<b>Faculty 1</b>	<b>Faculty 2</b>	<b>Faculty 3</b>
Architecture Art Business Education Engineering Health Sciences Law Medicine Nursing Pharmacy Science Theology Visual Arts	Arts Communication Education Health Sciences Humanities Law Nursing Pharmacy Science Theology Visual Arts	Business Education Health Sciences Humanities Law Nursing Pharmacy Science Theology Visual Arts

**First Points of Contact**

**Joyce Gulligan (808)**  
 (Graduate Studies & Research)

- Dean's EC account
- Financial and budget advice (Academic Faculty)
- Taxal expense
- Transferable, Transfer Credit, re-enrollment, re-apply
- Dean's allocation

**Granda Prosser (907)**  
 (Registrar & Office Assistant)

- Full and part-time
- RDS
- Current Affairs
- Student fees
- Orientation

**Debbie Mulick (907)**  
 (PT Reception & Office Assistant)

- Administrative
- Administrative office
- Student fee request

**Admission Decisions**

**John Long (907)**  
 (Director)

- Graduate admission and transfer
- Admission Decisions
- Master's Degree / Transfer / Graduate

**Gene Saylor (907)**  
 (Communications Coordinator)

- Multi-media marketing and public relations
- Public relations and promotional work
- Transfer student
- Information request

**Andreas Kiefer (907)**  
 (PT EC Assistant/Office Assistant)

- Academic
- Faculty/Office Assistant
- Faculty/Office Assistant
- Transfer student
- Transfer student

**Angela Johnson (907)**  
 (Administrative)

- Group 1 Faculties (Arts, Education, Law)
- Faculty/Office Assistant, Transfer, and Graduate
- Transfer student and transfer

**Academic Program Decisions**

**Wanda Grawdon (907)**  
 (Academic Program Decisions)

- Administrative and transfer students
- Administrative and transfer students
- Administrative and transfer students
- Administrative and transfer students

**Granda Prosser (907)**  
 (Academic Program Decisions)

- Group 1/2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100
- Administrative and transfer students
- Administrative and transfer students
- Administrative and transfer students

**Theresa Ross (907)**  
 (Academic Program Decisions)

- Group 2 Faculties (Arts, Education, Law)
- Faculty/Office Assistant, Transfer, and Graduate
- Transfer student and transfer

**Wanda Grawdon (907)**  
 (Academic Program Decisions)

- Group 3 Faculties (Business, Health Sciences, Pharmacy, Science, Theology, Visual Arts)
- Faculty/Office Assistant, Transfer, and Graduate
- Transfer student and transfer

**Admission Decisions**

**Debbie Mulick (907)**  
 (Administrative & Program Office)

- Programs & Programs
- Programs & Programs
- Programs & Programs
- Programs & Programs

**Andreas Kiefer (907)**  
 (Academic Program Decisions)

- Administrative
- Administrative
- Administrative
- Administrative

**Granda Prosser (907)**  
 (Academic Program Decisions)

- Administrative
- Administrative
- Administrative
- Administrative

**Program Decisions**

**John Long (907)**  
 (Director)

- Regulation, transfer, and student
- Program
- Graduation
- Thesis priority
- Policy and procedure

**Gene Saylor (907)**  
 (Communications Coordinator)

- Regulation, transfer, and student
- Program
- Graduation
- Thesis priority
- Policy and procedure

**Andreas Kiefer (907)**  
 (Administrative)

- Regulation, transfer, and student
- Program
- Graduation
- Thesis priority
- Policy and procedure

**Angela Johnson (907)**  
 (Administrative)

- Regulation, transfer, and student
- Program
- Graduation
- Thesis priority
- Policy and procedure

**Program Decisions**

**Theresa Ross (907)**  
 (Academic Program Decisions)

- Regulation, transfer, and student
- Program
- Graduation
- Thesis priority
- Policy and procedure

**Wanda Grawdon (907)**  
 (Academic Program Decisions)

- Regulation, transfer, and student
- Program
- Graduation
- Thesis priority
- Policy and procedure

**Academic Programs Housed in FGS**

**Disability Studies**

- Disability Studies
- Disability Studies
- Disability Studies
- Disability Studies

**Peace & Conflict**

- Disability Studies
- Disability Studies
- Disability Studies
- Disability Studies

**Applied Health**

- Disability Studies
- Disability Studies
- Disability Studies
- Disability Studies

**Department based Programs**

- Disability Studies
- Disability Studies
- Disability Studies
- Disability Studies





Helen Glass Building

# 2005

# Annual Report

# 2006

The previous year (2005/06) was a time of considerable change and growth for the Faculty of Graduate Studies: my appointment as Dean and the appointment of three new Associate Deans: Drs. Coombs, Hassard, and Jensen. Dr. Kevin Coombs from Medical Microbiology, Dr. Tom Hassard from Community Health Sciences, and Dr. Karen Jensen from the Faculty of Music, are essentially responsible for graduate programs in the physical sciences, medical and social sciences, and arts and humanities, respectively.

The administrative team began the year with an email to all academics followed by a visit and a presentation to all units offering graduate programs. The “3C” (communication, consultation, and cooperation) visits were designed to underscore the vision, direction, and priorities of the new administration in the Faculty of Graduate Studies. We received a very warm welcome from all units, who were pleased to have an opportunity to discuss how we might jointly improve our service to students and how we could facilitate communication and cooperation with the unit.

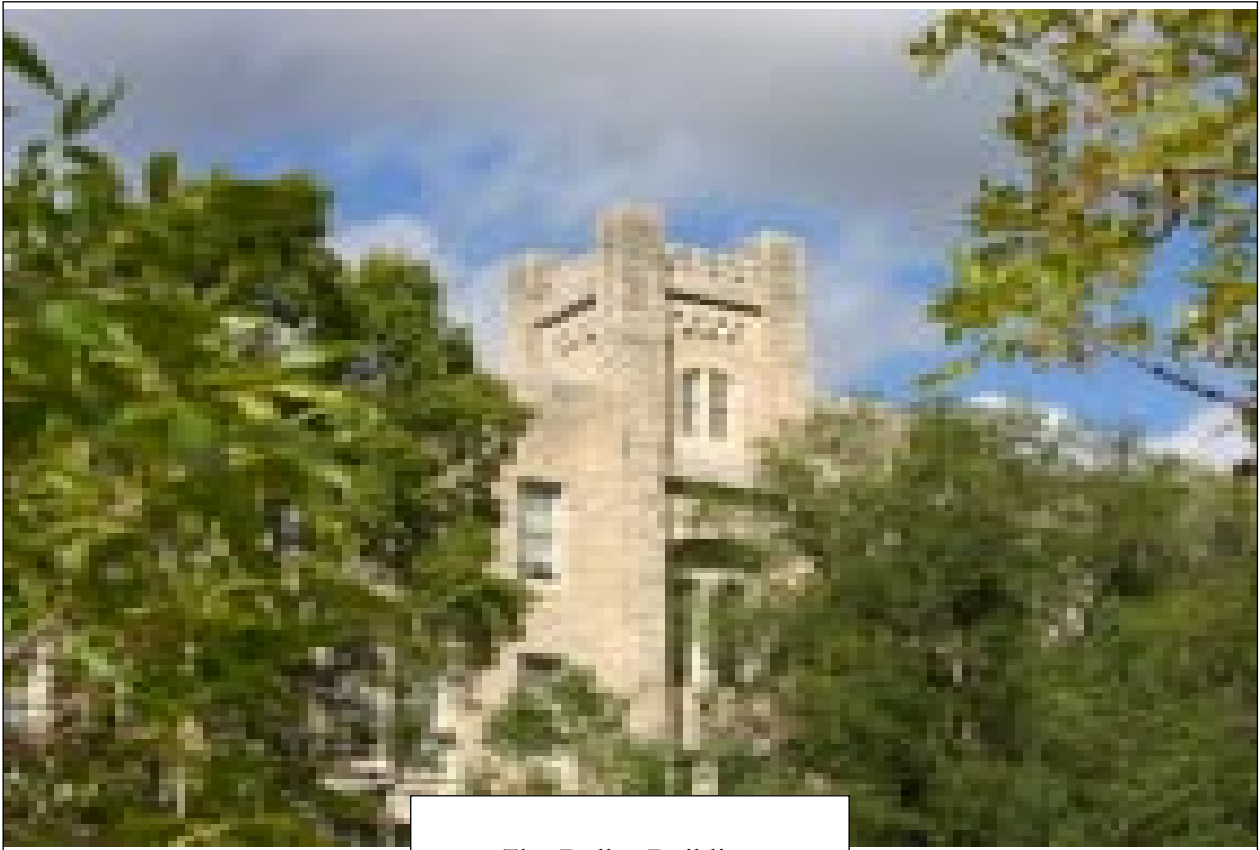
The Faculty of Graduate Studies assumed for the first time since its inception in 1948, traditional faculty responsibilities when two academics units, The Centre for Peace and Justice and Disability Studies, were moved under “the umbrella” of the Faculty of Graduate Studies. The Centre for Peace and Justice, located in the Arthur V. Mauro Centre at St. Paul’s College, is dedicated to research and education in Peace and Conflict Studies; the centre currently offers a Ph.D. program. The Disability Studies program offers an interdisciplinary master’s degree in Disability Studies. The Ph.D. program in Peace and Conflict and the master’s program in Disability Studies are unique programs in Canada.

The annual tradition of an Awards Banquet was continued and yet another success Awards Banquet was held to recognize recipients of Tricouncil Awards (CIHR, NSERC, SSHRC) and major University of Manitoba Awards (UMGF, MGS, Duff Roblin, Distinguished Dissertation). The reception was attended by the Minister of Advanced Education and Training, Dr. Diane McGifford, and the President and Vice-Chancellor of The University of Manitoba, Dr. Emőke Szathmáry, both of whom addressed the gathering of more than 240 attendees.



With nearly 2000 members in the Faculty of Graduate Studies and more than 3300 students, partnering in cutting-edge research we have countless reasons to be proud of our faculty members, our students, and our accomplishments. Although 2005/06 was a great year for FGS, I am confident that the year ahead will be even better.

Dr. John (Jay) Doering, P. Eng.  
Dean  
Faculty of Graduate Studies



The Buller Building



# Admissions

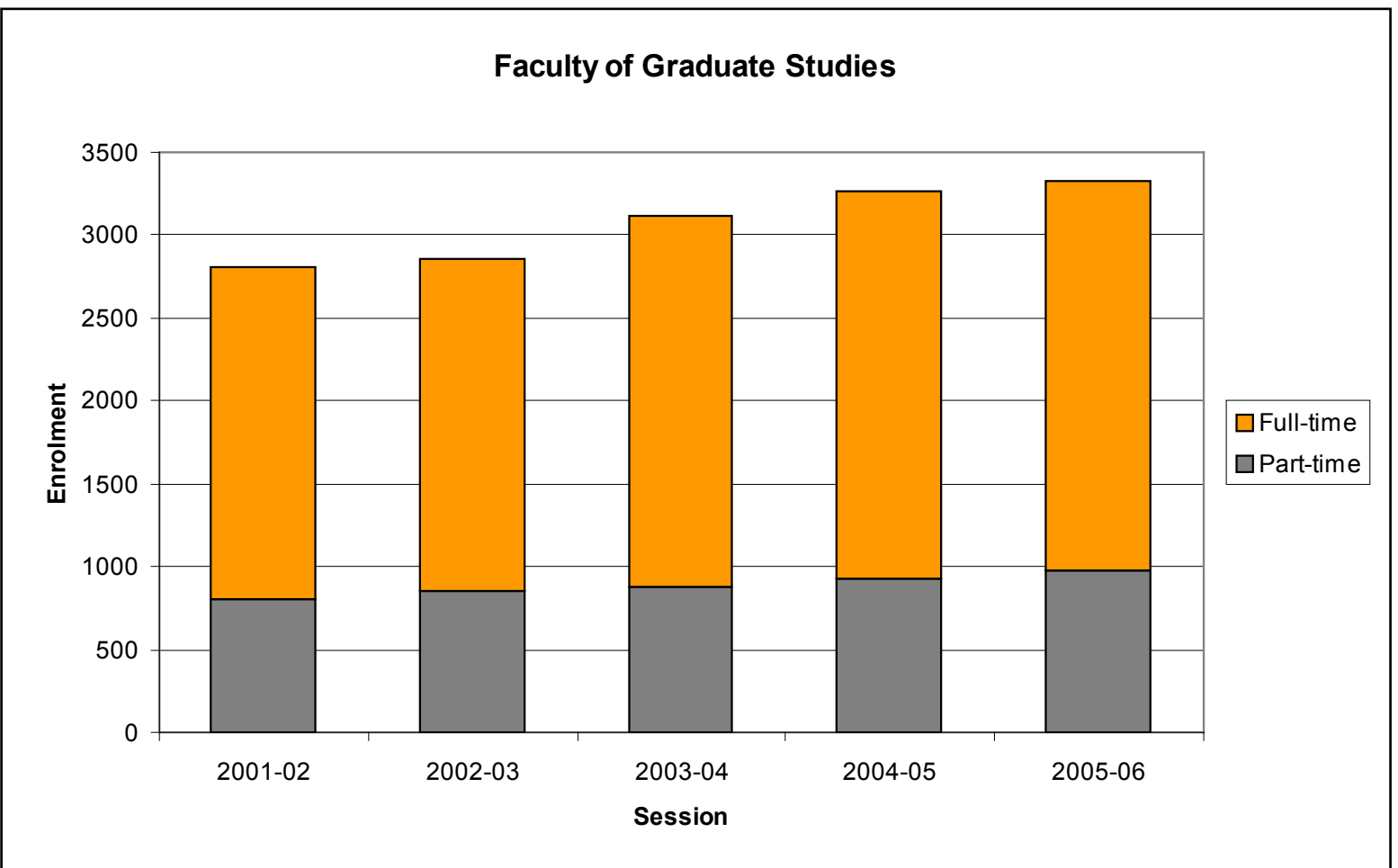
Enrolment

Conversion rates

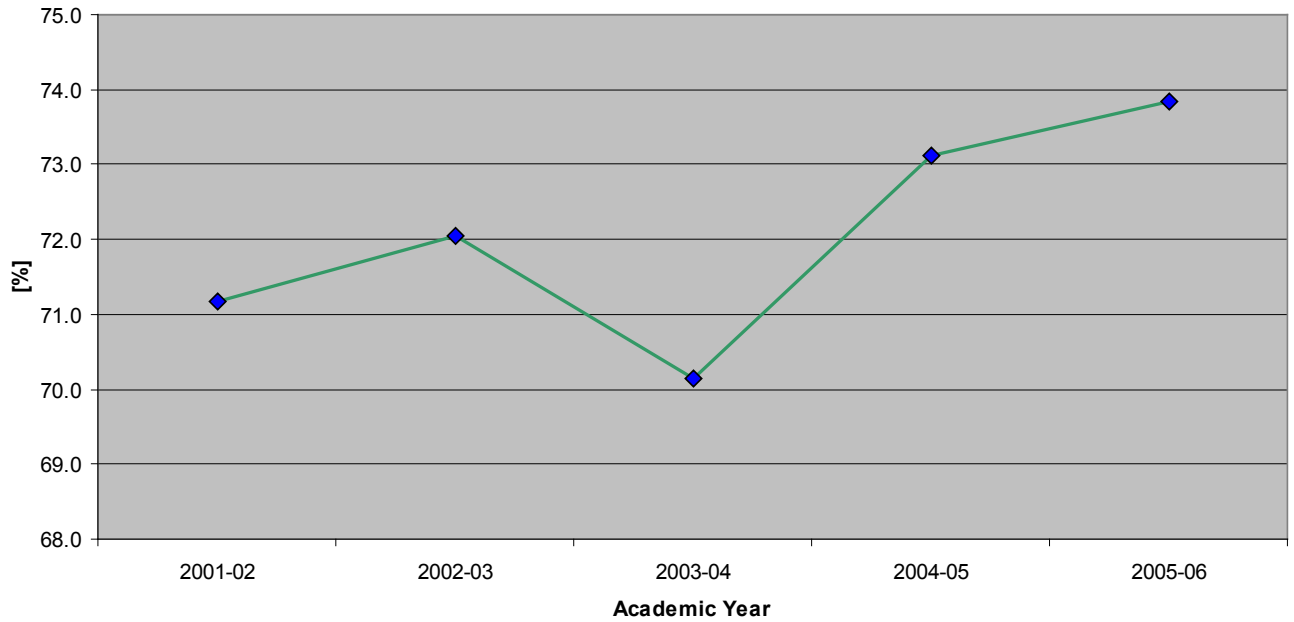
New Registrations

# ENROLMENT

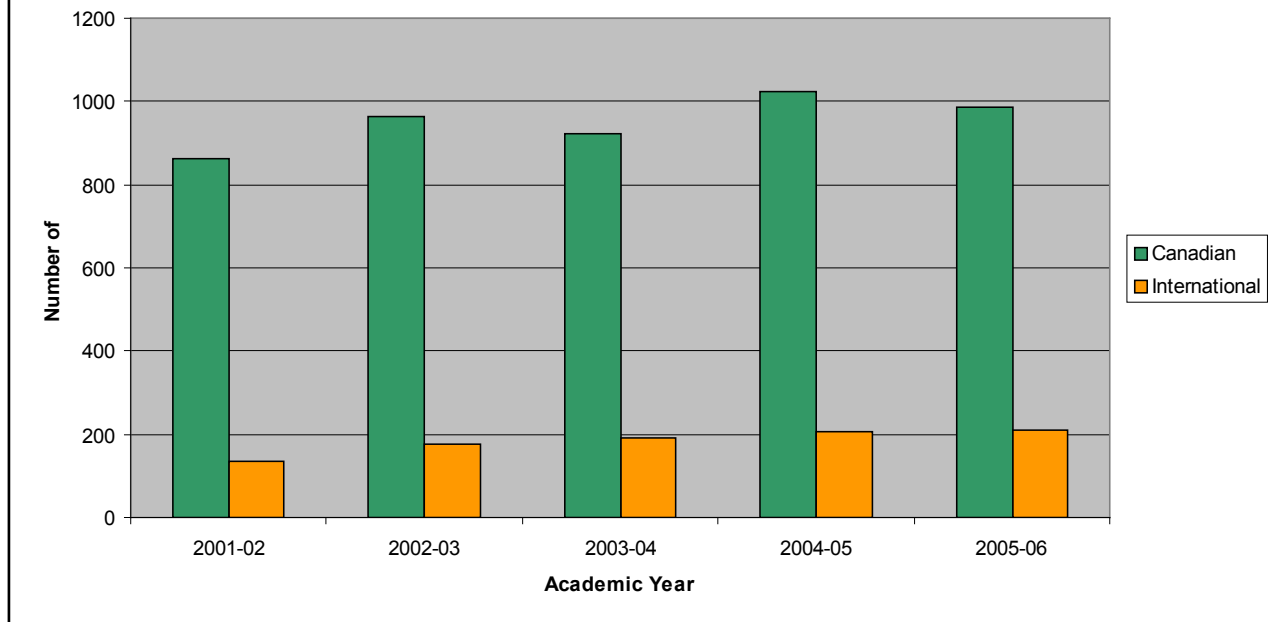
Enrolment in the Faculty of Graduate Studies has grown over the past five years (see chart) from 2805 to 3332 (an increase of 18.7% over 4 years). Of particular interest, is the high conversion rate for students offered admission to the Faculty of Graduate Studies (i.e., students who are offered admission and subsequently register), which has averaged about 72.1 over the last five-years, and has shown steady growth over the last three-years. The number of new registrations for both Canadian and International students is trended upwards for the past five years.

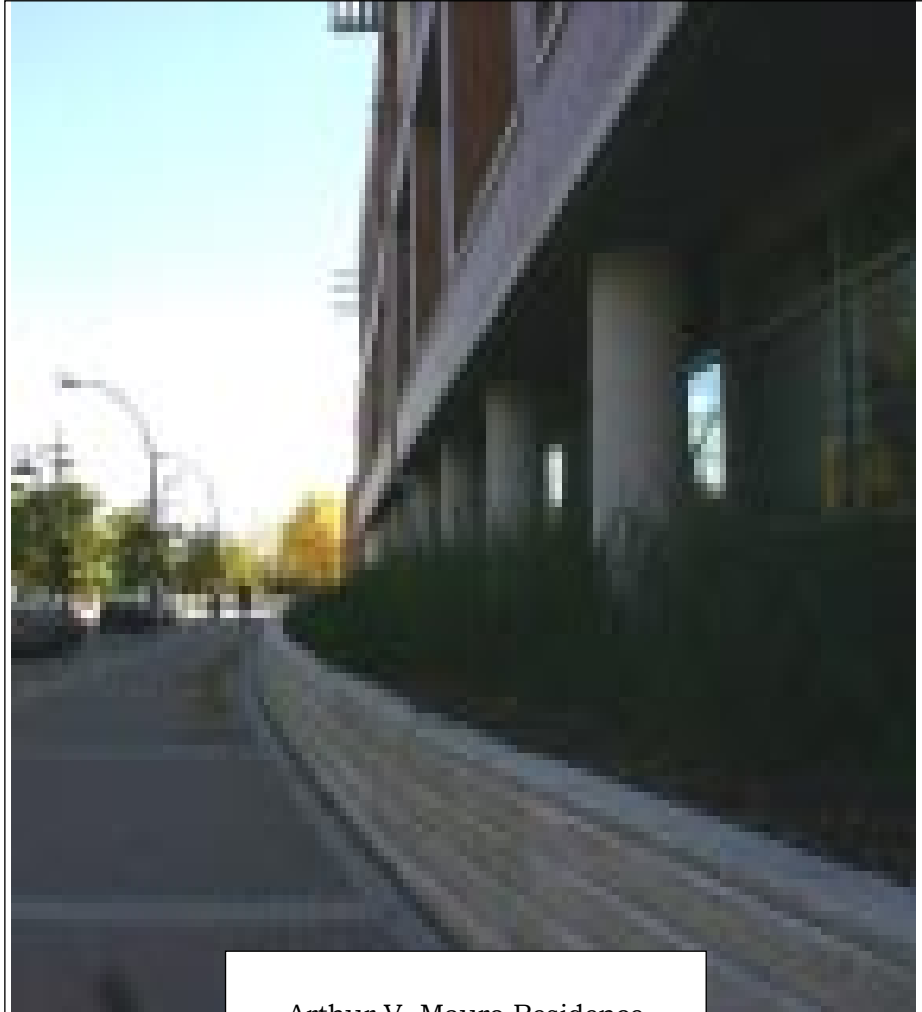


### Admission Acceptance Conversion Rates

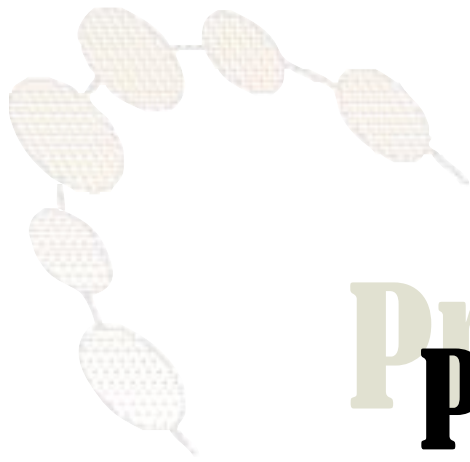


### New Registrations





Arthur V. Mauro Residence



# Programs

Our Programs ... Your Possibilities

Programs and Planning Committee

Graduate Program Reviews

Guidelines and Policy Committee

OUR PROGRAMS . . . YOUR POSSIBILITIES

M	PhD	Department
•	•	Agribusiness & Agricultural Econ.
•	•	Animal Science
•	•	Anthropology
•	○	Architecture
•	•	Biochemistry & Medical Genetics
•	•	Biosystems Engineering
•	•	Botany
•	○	Canadian Studies
○	•	Cancer Control
•	•	Chemistry
•	○	City Planning
•	•	Civil Engineering
•	○	Classics
•	•	Community Health Sciences
•	•	Computer Science
•	○	Disability Studies
•	•	Economics
•	•	Education
•	•	Electrical & Computer Eng.
•	•	English
•	•	Entomology
•	○	Environment
•	○	Exercise & Sport Science
•	○	Family Social Sciences
•	○	Food Science
○	•	Food & Nutritional Sciences
•	•	French
•	•	Genetics
•	•	Geography
•	•	Geological Sciences
•	○	German and Slavic Studies
•	•	History
•	•	Human Anatomy & Cell Science
•	○	Human Nutritional Sciences
•	○	Icelandic
•	•	Immunology
•	•	Interdisciplinary Studies
•	○	Interior Design
•	○	Landscape Architecture

M	PhD	Department
•	○	Law
•	•	Linguistics
•	○	MBA
•	•	Management
•	•	Mathematics
•	○	Mathematical, Computational and Statistical Sciences
•	•	Mech. & Manufacturing Eng.
•	•	Medical Microbiology
•	○	Medical Rehabilitation
•	•	Microbiology
•	○	Music
•	○	Native Studies
•	•	Natural Resource Management
•	○	Nursing
•	○	Occupational Therapy
•	○	Oral and Maxillofacial Surgery
•	•	Oral Biology
•	○	Orthodontics
•	○	Pathology
○	•	Peace & Conflict Studies
•	○	Periodontics
•	•	Pharmacology & Therapeutics
•	•	Pharmacy
•	○	Philosophy
•	•	Physics & Astronomy
•	•	Physiology
•	•	Plant Science
•	○	Political Studies
•	•	Psychology
•	○	Public Administration
•	○	Recreation Studies
•	•	Religion
•	•	Social Work
•	•	Sociology
•	•	Soil Science
•	•	Statistics
•	○	Textile Sciences
•	○	Surgery
•	•	Zoology

# PROGRAMS AND PLANNING

## Committee Members:

Dr. Mark Abrahams, Associate Dean, Faculty of Science  
Dr. Kevin Coombs, Associate Dean, FGS  
Dr. Jay Doering, Chair  
Dr. Barry Ferguson, Associate Dean, Faculty of Arts  
Dr. Brenda Bacon, Acting Graduate Chair, Faculty of Social Work  
Dr. Carol Harvey, Graduate Chair, Family Social Sciences  
Dr. Tom Hassard, Assoc. Dean, FGS  
Ms. Simone Hernandez-Ramdwar, Student Programs Officer, FGS  
Dr. Karen Jensen, Assoc. Dean, FGS  
Dr. Cynthia Karpan, Assistant Professor, Interior Design  
Dr. Ed Kroeger, Graduate Chair, Faculty of Medicine  
Mr. Jeff LeClerc, University Secretary, Office of the President  
Dr. Richard Lobdell, Vice-Provost, Programs, Office of the President  
Dr. Jon Young, Acting Assoc. Dean, Faculty of Education  
Ms. Carolynne Presser, Director, Libraries  
Dr. Keith Simons, Assoc. Dean, Research, Faculty of Pharmacy  
Ms. Florence Opapeju, Student Representative, Graduate Student's Association  
Dr. Ramanathan Sri Ranjan, Graduate Chair, Biosystems Engineering

### **With respect to programs, The Programs and Planning Committee have a mandate to:**

- review and comment on draft proposals.
- coordinate with Budget Faculties the consideration and approval of their proposals.
- assist in the formulation and content of proposals from individual units.
- recommend priority among other proposed graduate programs.
- seek clarification.
- provide the proposal in summary form and recommend approval to Faculty Council.
- consider and recommend to Faculty Council the introduction, deletion and modification of graduate courses.

### **With regard to planning initiatives, the Programs and Planning Committee shall:**

- review and comment on those initiatives brought forward to the Faculty of Graduate Studies for consideration.
- recommend priority among other initiatives in the Faculty of Graduate Studies.
- make recommendations to Faculty Council.

### **The Programs and Planning committee had a year of very full agendas that considered:**

- SOI for an M.Sc. in Physical Therapy (M.P.T.)
- SOI for a Ph.D. in Native Studies
- SOI for a masters in Fine Art (M.F.A.)
- SOI for a joint masters in Peace and Conflict
- SOI for a Physician's Assistant masters program
- A plethora of course introductions and deletions as well as changes to course and calendar descriptions.
- Reduction in credit hour requirements for the masters (12 to 6) and doctoral (6 beyond the masters) programs in Botany and Zoology
- Guidelines for electronic theses and putting a thesis into M-Space
- changes to the academic guide required for the implementation of the Aurora Student System

# GRADUATE PROGRAM REVIEWS

To ensure the quality of graduate programs offered at The University of Manitoba remains high, to keep programs current and relevant, all graduate programs are subject to an in depth systematic review. Program reviews examine: number of faculty, graduate courses offered (and enrolment in), graduate student support, research activities of faculty members, publications, participation on graduate committees, and external funding. The current cycle began 1 October 2001 and will conclude in October 2008, at which time a new cycle will commence. The vast majority of reviews have been very positive and complimentary, underscoring the quality of our graduate programs in the opinion of external international experts. The following table shows the program reviews initiated, in progress, or concluded in 2005-06.

## Graduate Program Reviews

*July 1, 2005 - June 30, 2006*

<b>Reviews Started (and in progress)</b>	<b>Reviews in progress</b>	<b>Reviews concluded</b>
Biochemistry & Medical Genetics	Ag. Business	Classics
Biosystems Engineering	Animal Science	Interior Design
Civil Engineering	Botany	Landscape Architecture
Community Health Sciences	Economics	Physics & Astronomy
Education - Ph.D.	English	Surgery
Food and Nutritional Sciences	Entomology	
Human Anatomy	Food Science	
Human Nutritional Sciences	Plant Science	
Immunology	Soil Science	
Mechanical & Manufacturing Eng.		
Medical Rehabilitation		
Pharmacology		
Philosophy		
Phys. Ed. & Rec. Studies		
Religion		

# GUIDELINES AND POLICY

## Committee Members

Mr. John Brubacher, Student Representative, GSA  
Dr. Kevin Coombs, Associate Dean, FGS  
Dr. Jay Doering, Chair, FGS  
Dr. Barry Ferguson, Associate Dean, History  
Dr. Phillip Gardiner, Professor, Phys. Ed. / Physiology  
Dr. Brenda Hann, Professor, Zoology  
Dr. Tom Hassard, Associate Dean, FGS  
Ms. Simone Hernandez-Ramdwar, Student Program Officer, FGS  
Dr. Karen Jensen, Associate Dean, FGS  
Dr. David Kirby, Director, CHERD  
Mr. Jeff LeClerc, University Secretary, Office of the President  
Dr. Léonard Rivard, Co-ordinator Masters Program, St. Boniface College  
Dr. Robert Tate, Associate Professor, Community Health Sciences  
Ms. Brandy Usick (for Lyn Smith), Student Advocate, Office of Student Advocacy  
Dr. Rotimi Aluko, Associate Professor, Human Nutritional Sciences

## **The Guidelines and Policy committee shall:**

- recommend specific revisions to the Faculty of Graduate Studies Academic Guide with respect to regulations and policies.
- consider and recommend approval to Faculty Council of the supplementary guidelines of a unit offering a graduate program.

The Guidelines and Policy committee dealt with the supplemental regulations for sixteen programs.

The (new or existing) programs considered were:

- Ph.D. in Peace and Conflict
- M.Sc. in Food Science
- Ph.D. in Cancer Control
- M.Sc. and Ph.D. programs in Microbiology and Zoology
- M.A. in Native Studies
- M.Sc. and Ph.D. programs in Medical Microbiology
- M.Ed. in Social Foundations
- M.Sc. in Family and Social Sciences
- M.Sc. in Agribusiness and Agricultural Economics
- M.A. and Ph.D. in Psychology
- M.I.D. (Interior Design)

In addition, the Guidelines and Policy committee discussed:

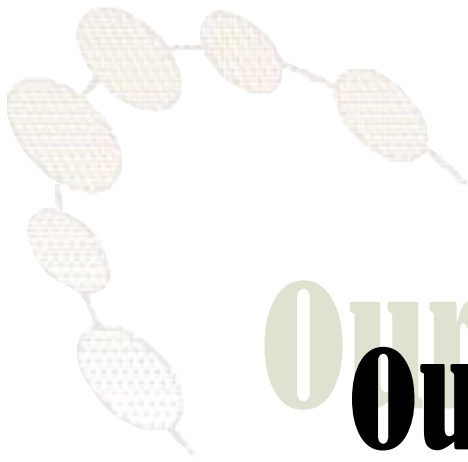
- implementation of the TOEFL iBT (internet based test)
- introduction of a new FGS Supplementary Regulations Template



Dafoe Library



Joe Dupe Athletics  
Facility



# Our Students

Showcasing Excellence

# SHOWCASING EXCELLENCE

In the autumn of 2005, the Faculty of Graduate Studies began to informally recognize excellence in research and academic performance of graduate students. Award winners and students with exceptional research initiatives are recognized on the FGS website. No preference is given to discipline or academic level, although many of our top award winners tend to be pursuing programs at the doctoral level.

## **Sonal Davda**

### **Department & Program:**

Human Nutritional Sciences, M.Sc.

### **Research Focus:**

Sonal is a Masters student in the department of Human Nutritional Sciences, doing her research work at the National Research Council (NRC) - Institute for Biodegnostics. She came to Canada in 2003 as a Post-doctoral fellow in CancerCare Manitoba after completing her MD. Her project involved the use of Proton Magnetic Resonance Spectroscopy (1H MRS) to evaluate the extent of tumor hypoxia in head and neck cancer. This fuelled her interest in 1H MRS so much that she decided to pursue a Masters degree in the area of Biodegnostics.

She is currently working on an NSERC-funded project under the supervision of Dr. Tedros Bezabeh at the NRC and Dr. Michael Eskin in the Department of Human Nutritional Sciences. Her project focuses on analyzing the effect of different dietary fatty acids on the modulation of inflammatory bowel disease-induced colon cancer. Inflammatory bowel disease (IBD) is a known risk factor for developing colon cancer later in the life. Various fatty acids, particularly, omega –3 and omega – 6 types have been shown to differentially modulate inflammatory changes in the body. The transition from IBD to colon cancer takes a few years and if during this process the inflammatory changes can be slowed down or stopped, there is a possibility of controlling the progression to cancer. Her supervisor’s group has previously shown that 1H MRS is a sensitive technique and can detect very early changes occurring in colon cancer and IBD. She is using the same technique for analyzing inflammatory and neoplastic changes in colon. Sonal received the Katherine M. S. Middleton award for outstanding academic and research achievement and has recently published a review article and an abstract.



# Prateep Kumar Nayak

## Department & Program:

Natural Resources Institute, PhD in Natural Resources and Environmental Management

## Funding Sources:

Trudeau Foundation Doctoral Scholarships (2006 – 2010)

CGIAR System-wide Program on Collective Action and Property Rights PhD Field-Research Fellowships (2006, Declined)

Research Fellowship from the Canada Research Chair in CBRM held by Dr Fikret Berkes (2004 - 2006)



## Research Focus:

My research is based on the premise that the issues of human rights and social justice are inherently linked to the natural environment in resource-based communities. A process of marginalization occurs when individuals and communities lose their traditional resource rights and become disconnected from their environment, and this can be a two-way feedback process. How do we connect the issues of human rights-social justice and the environment? The research theorizes that (a) livelihood analysis is central to this connection, and (b) a promising approach is community-based management with attention to linkages and partnerships. The research approaches the problem by querying about entitlements (in the sense of Amartya Sen), resource access (as used in the common property literature), control of people over their environment (as used in political ecology), and the role of the State as barrier to, or facilitator of, community-based management (as discussed in some of the “good governance” literature).

My research examines the fishing communities of Chilika Lagoon (a Ramsar wetland site of international conservation significance) on the east coast of India. The loss of rights and livelihoods for the fisherfolk, along with the breakdown of traditional systems of management has disconnected them from their lagoon environment. I will study the role of the state in re-establishing an appropriate communal rights regime and reconnecting the communities to their environment. Through my research I envision a new role for the state — one that enables a non-threatening atmosphere in which rural communities are empowered to form their own identities.

My professional engagements so far have given me the unique opportunity to work both in practice and research. I have contributed meaningfully to the ongoing debate and developments on the contemporary issues in resource management through my publications and by participating in relevant forum. My career goal is to further this endeavour by adding academic rigor to my work, and the doctoral study will equip me to make more sustained efforts in this regard. I see myself working towards linking practice to academics for better conceptualization of field realities. In the rest of my career I would like to work as an academic-practitioner-teacher as I continue to focus on developing community-based approaches that are key to ensuring social justice. I currently hold a Trudeau Foundation Doctoral Scholarship, which provides me with great support, both financial and intellectual, in moving towards my goal.



## Emefa Monu

### Department & Program:

Food Science

### Funding Sources:

James W. Barlow Graduate Fellowship in Food Science

NSERC Industrial Postgraduate Scholarship

### Research Focus:

Emefa is currently conducting research in the area of Food Microbiology. Her research project is a joint collaboration with Forbes Medi-Tech Inc., nutraceutical and pharmaceutical company based in Vancouver B.C., and NSERC.

The project concerns the antimicrobial activity of a phytosterol compound Forbes has developed that is proven to lower blood cholesterol when ingested. This compound has been added to margarines as well as yoghurt and other dairy products. It is important to understand the antimicrobial activity as it might have an effect on the quality of the food products by inhibiting spoilage organisms or the starter cultures used in cheese and yoghurt processing.

Prior to starting her Masters degree, Emefa graduated with a Bachelor's degree in Food Science and was awarded the Faculty of Agricultural and Food Sciences B.Sc. (Food Science) Medal. She is a member of the CIFST (Canadian Institute of Food Science and Technology) from which she was awarded two scholarships during her undergraduate career. Throughout her years as both an undergraduate and a graduate student at the University of Manitoba, she has been involved in research projects with numerous faculty members in both the Food Science and Human Nutritional Sciences departments. One such collaboration led to the publishing of an article in the Journal of Food Science titled "Functional and bioactive properties of quinoa seed protein hydrolysates", in which Emefa is listed as second author.

In the future, Emefa plans to continue her education in the area of food microbiology by pursuing a Ph.D. degree.



a

## Carolyn Taylor

### Department & Program:

Physical Education and Recreation Studies, M.Sc.

### Research Focus:

My master's thesis is centered around the rotational shot put technique – more specifically, looking to see what biomechanical differences there are between the two genders that would explain why elite male shot putters are very successful with rotational shot put technique and why the technique is not being used by elite female shot putters. My research interests however vary greatly as I work with a variety of coaches and athletes in the University of Manitoba's Biomechanics Lab in Max Bell. I have worked with many of the Bison's sports teams, along with many National team athletes and Paralympic athletes. Most recently, I have just returned from Torino Winter Olympics where I was working for the Canadian Olympic Committee as a member of the Performance Technology team.

My long term goal is to work closely with Canada's National team coaches and athletes as a sports biomechanist and give Canadian athletes the additional training and performance edge that skill and video analysis has to offer.



the

the

# Ognjen Grujic

## Department & Program:

Oral Biology, M.Sc.

## Funding Sources:

CIHR Canada Graduate Scholarships Master's Award

High Quality Student Enrolment Incentive Award

University of Manitoba Student Union Scholarship

## Research Focus:

Intracellular calcium is the principal regulator of cardiac contractility. Alterations in calcium regulation are crucial in the development of various cardiac diseased conditions. Phosphoinositide-specific phospholipase C (PLC) is a cellular protein that hydrolyzes phosphatidylinositol 4,5-bisphosphate (PIP<sub>2</sub>), a lipid found in the cell membrane, into diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP<sub>3</sub>). DAG activates Protein kinase C, while IP<sub>3</sub> causes release of calcium from the endoplasmic reticulum. The mechanism responsible for regulating PLC is not well understood.

We and others have shown that small GTP-binding proteins belonging to the Ras superfamily (Ral, Ras, Rho), which are important in cell signaling pathways controlling cell proliferation, bind to and regulate various isoforms of PLC. In our lab we use various biochemical, molecular biology, immunology, and cell culture techniques in order to define the role of these proteins in PLC regulation. The long term goal of the research is to be able to understand how interactions between small GTP-binding proteins and PLC regulate activity of this enzyme.



# Sara Komarnisky

## Department and program:

Anthropology, MA

## Awards:

SSSHRC-CGS Master's (2005-2006)

University of Manitoba Graduate Fellowship (2004-2005)

## Research Focus:

A paper about sushi in 3rd year anthropology of globalization seminar sealed the deal – Sara was going to focus her MA research on food. Combining that interest with the knowledge gained from her previous degree (namely, Latin American history and culture and Spanish language training) along with the opportunity to work on a larger project about Mexican migration with advisor Dr. Raymond Wiest, Sara did her MA fieldwork in both Alaska and Mexico. There, she worked with Mexican migrants in both places to explore the relationship between food and identity. Recipient of a SSHRC-CGS Master's Scholarship and, before that, a University of Manitoba Graduate Fellowship, Sara is currently writing her thesis, which explores how transnational subjects negotiate their identities in relation to the food and food-related connections that they make between their Mexican and Alaskan homes. She hopes that her project will provide some insight on the relationships and interconnections between migration, identity, and food and add to currently growing literature on the place of food and eating in contemporary society, with the finished product evoking how transnational subjects are simultaneously displaced/placed, travelling/dwelling, disarticulated/rearticulated, and faraway/nearby and how food is a marker and a material reality of this.

Sara will be presenting at conferences in Vancouver and Montreal, as well as at the American Studies Association 2006 Annual Meeting in Oakland, California where she will be part of an alternative session about food and the performance of transnational identity.



## Archie Mpofu

### Department & Program:

Food Science, M.Sc.

### Awards:

James W. Barlow Graduate Fellowship (2005-6)

University of Manitoba Graduate Student Association Travel Award (2005)

University of Manitoba Graduate Student Conference Travel Award (2005)

### Research Rocus:

Archie's research is an investigation of genotype by environment (G X E) variation in phenolic composition and antioxidant activity of wheat varieties grown in Western Manitoba. This study largely explores the possibility of breeding wheat that consistently produces high amounts of antioxidant compounds when grown under different environmental conditions. Several environmental parameters are monitored during the growing season of the wheat, these include rainfall, temperature, soil pH, Fusarium damage and frost damage. Wheat is harvested at the stage of maturity and subjected to several antioxidant tests. These tests include the oxy-radical absorbance capacity (ORAC) assay, photochemiluminescence and high performance liquid chromatography. Antioxidant parameters from these assays are then correlated to environmental conditions to determine the nature of the influence of environmental conditions on the antioxidant properties of wheat. Environmental effects on antioxidant properties are additionally compared with genotype effects and the stability of genotypes across different growing environments determined. Results from Archie's work are providing important insights on the manner in which genotype and environmental effects and the interaction between these effects influence antioxidant properties of wheat. These results have so far been presented at the 2005 annual meeting of the institute of Food Technologists (IFT) held in New Orleans, USA as well as the 2005 annual meeting of AACC International held in Orlando, USA and they have been published in the Journal of Agricultural and Food Chemistry (J. Agric. Food Chem., 54 (4), 1265 -1270, 2006). Archie looks forward to continuing work on antioxidants and other active biochemicals in cereal grains as a Ph.D. student in the department of Food Science and department of Human Nutrition interdisciplinary doctoral Program.



## Sara McGrath

### Department & Program:

Computer Science, M. Sc.

### Funding Sources:

NSERC Canada Graduate Scholarship

For humanoid robots to move from fantasies such as Terminator, A.I.'s David, I, Robot's Sonny or The Jetson's Rosie to reality, they must be able to move over a variety of terrain with different speeds and gaits. Currently, robots do not react to their environment when moving through it, severely limiting their movement. Sensors must be used to make sense of the surrounding environment, enabling robots to balance as they move. My research focuses on allowing feedback from the environment to be added back into the gait control, as implemented on physical robots. I focus on using gyroscopes and accelerometers (which measure velocity and acceleration) as my primary sensors.



### Related Web Links:

Autonomous Agents Lab:

<http://avocet.cs.umanitoba.ca/>

# Sola Ajiboye

## Department & Program:

Soil Science, Ph.D.

## Funding Sources:

Natural Science and Engineering Research Council (NSERC)

Manitoba Livestock Manure Management Initiatives (MLMMI)

University of Manitoba Graduate Fellowship (UMGF)

## Research Focus:

I joined the Chemodynamics Research Group in the Department of Soil Science as an M.Sc. student in 2001 to commence research on the fate of phosphorus (P) in agricultural soils with history of manure and fertilizers applications. That research was of particular practical importance because eutrophic level of phosphorus in surface water is of serious environmental concern in Manitoba and elsewhere in the world. Many environmental scientists and policy-makers worldwide are now interested in mitigating and preventing P addition to surface waters, particularly from soil.

In investigating the reaction of manure P in soils and risk of transport to water bodies, the convention is to characterize P in manure and manure-amended soil using chemical extractant to describe how available the different forms of P are to the environment. This approach is now considered 'operational' at best. My current research is focused on molecular-scale speciation of phosphorus in manures and manure-amended soil, with the goal of understanding the forms of P, their stabilization and association with soil. This will strengthen the scientific approach towards the best use and management of P fertilizers and animal manures without compromising the quality of our environment. This study is made possible by recent advances in the state-of-art synchrotron radiation based techniques, specifically x-ray absorption spectroscopy (XAS) and complimentary technique like <sup>31</sup>P nuclear magnetic resonance (NMR) spectroscopy.

The results from my research have been extensively disseminated via conference presentations, seminars, newspaper articles, and scientific publications. I have also been involved in teaching a module in Soil Chemistry at the senior undergraduate level. My community services span across many spheres of the University and professional organizations.

My future aspiration is to start the ladder in the 'reward system' as a teacher and researcher.

## Related Web Links:

[http://www.umanitoba.ca/faculties/afs/soil\\_science/staff\\_and\\_students/ajiboye.html](http://www.umanitoba.ca/faculties/afs/soil_science/staff_and_students/ajiboye.html)



# Myra Sitchon

## Department & Program:

Anthropology, Ph. D.

## Awards:

SSHRC Doctoral Fellowship

C. Thomas Shay Scholarship, Department of Anthropology, University of Manitoba

## Research Focus:

While growing up, Myra Sitchon always thought of pursuing a career in visual arts or computer graphics. After taking an introductory physical anthropology course late in her undergraduate studies, she decided to follow a path in human skeletal biology and archaeology. As she worked in the fields of forensics and archaeology, she recognized how digital media technology has a significant role in presenting anthropological interpretations to the public. Working with Dr. Robert Hoppa as an anthropology doctoral student and a recipient of a SSHRC doctoral fellowship, Sitchon is combining her passions by exploring the use of digital media and 3-D modeling technology in providing specialists and non-specialists with a visual means of identifying with the past.

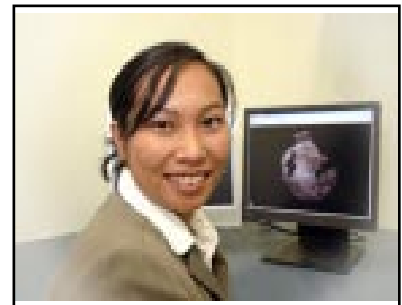
## Related Web Links:

Myra Sitchon's Home Page

<http://home.cc.umanitoba.ca/~umsitcho>

Bioanthropology Digital Image Analysis Laboratory (BDIAL)

<http://home.cc.umanitoba.ca/~hoppard/BDIAL/index.html>



## Samuel Ima

### Department & Program:

Biosystems Engineering, Ph. D.

### Funding Sources:

Funding Agency for Research: ARDI

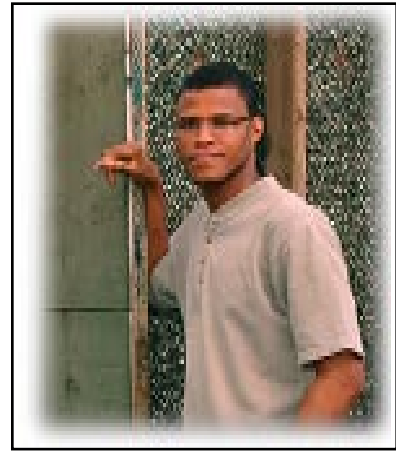
Source of Scholarship: NSERC

### Advisor:

Dr. Danny Mann, P.Eng.

### Research Focus:

Odor emissions from livestock facilities and other forms of air pollution are causing environmental and medical concern as the world population increases. The proliferation of stringent environmental regulations aimed at maintaining a sustainable environment clearly indicates the importance of this issue. Odorous gases are offensive to any neighborhood subjected to them. Thus, a good odor control program is very necessary for the success of any facility that has potential for odor emission. Most of the conventional technologies currently available for treating odorous gases are too expensive. One alternative technology that might be affordable is biofiltration. Biofiltration is a biological odor control technique in which contaminants present in an air stream are broken down by microorganisms fixed to a biologically active porous medium. Biofiltration takes place in a vessel called a biofilter. Just like every other storage vessel the biofilter is liable to structural failure. One common cause of structural failure is the lateral pressure exerted by the stored material on the walls of the containing vessel. My research interests are in odor reduction through biofiltration and determining the lateral pressure exerted by the filter materials on the biofilter vessel.



## Sherrie Blakney

### Department & Program:

Natural Resources Institute, Ph. D.

### Awards:

ArcticNet Grant in support of research (2004-6); SSHRC/DFO Integrated Management Node Student Research Grant (2004)

DFO/SSHRC Research Fellowship as Coordinator of Integrated Management Network Node (2002-3)

Fisheries and Oceans, Canada. Grant in support of research (2004-6)

James Gordon Fletcher Ph.D. Fellowship for Research in Aboriginal Issues. University of Manitoba (2003-4)

Social Sciences and Humanities Research Council (SSHRC) Doctoral Fellowship (2005-6)

University of Manitoba Graduate Fellowship. University of Manitoba.(2003-5)

### Research Focus:

Sherrie Blakney is a doctoral candidate with the Natural Resources Institute doing northern research in the Kivalliq region of Nunavut. Her project is situated at the interface of community, territorial and federal relations and examines how natural resource policy development can support Inuit health and wellness. Her research is on the cutting-edge of resource management policy development and involves innovative decision-making for resource managers and facilitating better management based on integrated knowledge and information.

At one level, her field research involved total cultural immersion while living with Inuit hunting families and participating in the local economy and community life, interviewing elders, local resource specialists and resource users. Now, on another level, it involves travel, consulting and working collaboratively with federal and territorial departments, and the Nunavut Land Claim groups.

In addition to several conference presentations and seminars, Sherrie has recently completed an evaluation and assessment report on Oceans management activities in Hudson Bay for Fisheries and Oceans, Canada. She is currently in the process of co-authoring a work with former Chief Land Claims Negotiator, Thomas Suluk on environmental change and the socio-economic implications for Inuit health and wellbeing.



# Christian Willenborg

## Department & Program:

Plant Science, Ph. D.

## Awards:

Natural Sciences and Engineering Research Council (NSERC) Postgraduate Scholarship

Canadian Wheat Board Postgraduate Fellowship

## Research Focus:

Experimental lines of transgenic wheat have been developed with traits such as herbicide resistance and within the next decade, it is likely that many types of transgenic wheat will be ready for commercialization including varieties with higher yields, greater tolerance to biotic and abiotic stresses, and resistance to herbicides. One of the most important risks associated with these crops is transgene movement, which can result in genetic contamination and the adventitious presence of genetically-engineered (GE) crop seeds in material destined for non-GE markets. If GE wheat were grown commercially in western Canada, the large scale production of wheat in this region would undoubtedly result in a considerable portion of GE wheat cultivars containing non-GE volunteers within, or grown alongside non-GE cultivars with little to no separation between. In these cases, flowering behavior and synchrony will be fundamental factors in determining gene flow and transgene movement. Consequently, the objectives of my PhD research are to characterize the factors contributing to flowering synchrony and intraspecific gene flow in bread wheat and also to examine gene accumulation at low frequencies to determine whether it will be possible to maintain coexistence between GE and non-GE wheat. In a series of three independent studies, my research will examine the flowering phenology and synchrony of volunteer and cropped wheat and the level of gene flow between the two at various volunteer and cropped wheat densities, heights, and emergence times. In addition, my research will provide information regarding the accumulation of genes adventitiously present at varying levels in wheat seedlots, providing an indication as to the tolerance levels that need to be implemented at the farm scale in order to meet threshold purity levels further down the supply chain. The results of these studies will identify the factors contributing to flowering synchrony and how each of these factors in turn affects intraspecific gene flow in bread wheat. Moreover, my research will provide an indication of the importance of flowering synchrony in potentially facilitating transgene movement between cropped and volunteer wheat. Coupled with previous knowledge regarding the biology and ecology of volunteer wheat, the results will be used to develop a mechanistic model that describes flowering synchrony and gene flow between cropped and volunteer wheat and create recommendations that will potentially minimize flowering synchrony and gene flow in bread wheat.



# Ashley Wozniak

## Department & Program:

Human Anatomy and Cell Science, PhD

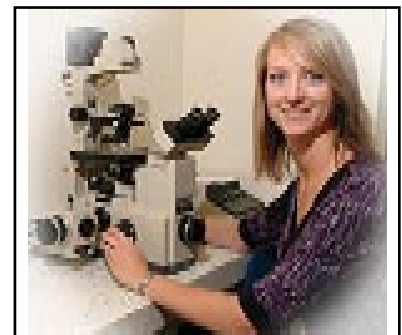
## Awards:

Canada Graduate Scholarship from NSERC

## Research Focus:

My PhD research has focused on signaling pathways involved in skeletal muscle regeneration, in particular the earliest phase of that process that “activates” satellite (precursor) cells from a normally quiescent state.

In the lab, we use a model of single, isolated, skeletal muscle fibers to examine the relative roles of the gas nitric oxide and the growth factor hepatocyte growth factor in the recruitment (or activation) of muscle precursor cells into the cell cycle after a mechanical stretch stimulus in culture. Using this model we are able to mimic in vitro, what a muscle may experience in vivo after stretching, such as during exercise. As an application of the basic findings on normal muscle, we are also studying how a neuromuscular disease changes the signaling events that are induced by nitric oxide and hepatocyte growth factor. We use a model of Duchenne muscular dystrophy, the mdx mutant mouse, to examine how loss of the protein dystrophin from the muscle fiber cytoskeleton affects the balance between activation and quiescence in muscle precursors. Ultimately the changes affect the timing and capacity for muscle regeneration. The long-term goal of this research is to guide the development of new pharmaceutical treatments for neuromuscular disease and to promote muscle regeneration after injury.



# Deirdre McCaughey

## Department & Program:

Business Administration, Asper School of Business

**Awards:**

Social Sciences and Humanities Research Council of Canada

Centre for Knowledge Transfer

**Research Focus:**

Deirdre's primary area of research involves cognitive influences on public policy decision making with respect to healthcare policy and practices. The model investigates the manner in which a policy maker uses and processes information and the subsequent effect this has on the policy decision. Within the context of the increasing desire to engage in evidence based health policy, the cognitive information processing model suggests that the health policy process is influenced by non-rational decision factors. These factors are contrary to the tenets of evidenced based health care. Identified factors of influence in this model include: the subjective utility of the policy decision maker, government mandates, public opinion, media presentation of health issues, and research trends such as the evidence based health movement.

With her advisor, Dr Sue Bruning, Deirdre is also investigating models of expatriate adjustment, the impact of employee diversity on organizational outcomes, and employee-organization value congruence. Deirdre has presented and published her work in the proceedings of numerous academic conferences in North America. She recently received the Best Paper by a Doctoral Student (healthcare management track) distinction for her sole-authored paper Fostering Research Utilization of the Effects of Framing on Public Healthcare Decision Making at the Southern Management Association's annual conference in San Antonio, Texas (2004). Deirdre's research was also selected as the Best Research Poster for Beyond Evidence Based Medicine: Recognizing Non-Traditional Influences on Treatment Decisions of Cancer Patients at the Centre for Knowledge Transfer's Spring Institute in Edmonton, Alberta (2005).



The Drake Centre



# Awards and Funding

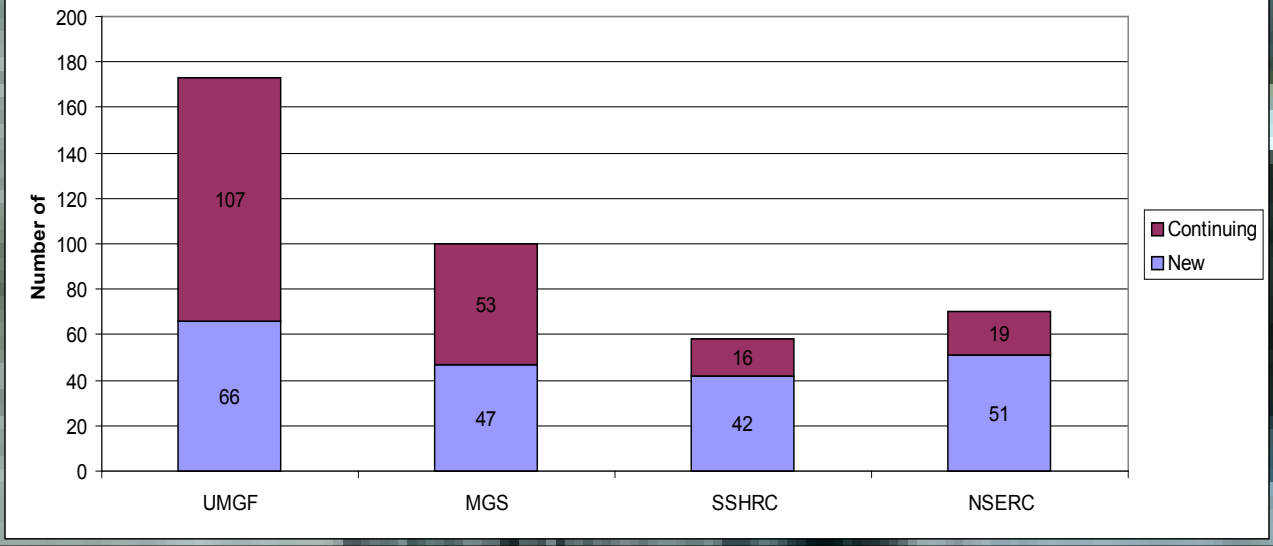
The Faculty of Graduate Studies allocated nearly \$4,500,000 in support to graduate students in 2005-06. This support consisted of University of Manitoba Graduate Fellowships, Research Assistantship funds, High Quality Student Enrolment Incentive Program funds, International Graduate Student Entrance Awards and Scholarships, and Manitoba Graduate Fellowships. In addition, more 250 departmental-based awards worth approximately \$850,000 were administered through the Faculty.

# FGS SUPPORTED EVENTS

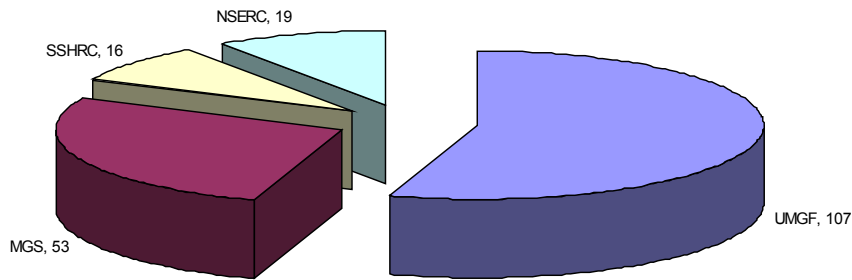
The Faculty of Graduate Studies administered more than 400 graduate student scholarships in 2005-06. A total of 173 University of Manitoba Graduate Fellowships (UMGF), 100 Manitoba Graduate Scholarships (MGS), 60 Social Science and Humanities Research Council (SSHRC) and 70 Natural Sciences and Engineering Research Council (NSERC) awards. The pie charts (right hand page) show the relative distribution of continuing and new awards.

<b>Department</b>	<b>\$ Funded</b>	<b>Name of Event Funded</b>
Aboriginal Student Centre	\$500	Elders & Traditional Teachers Gathering
Chemistry	\$500	Robin Connor Lectureship
Child and Family Studies	\$500	13th Ann. Child & Family Research Symposium
English	\$500	Sidney Wharhaft Memorial Lecture
English	\$750	Int'l Writer's Festival
GSA	\$100	Excellence in Teaching Award
GSA	\$721	CAGS support
History	\$500	IRCGC
History	\$500	The Ft. Garry Lectures in History
ICS (World WISE Res. Ctre.)	\$500	World WISE Res. Ctre. Newsletter
Medicine	\$4,000	Medicine Research Days
Middle Managers Group	\$500	Middle Mgrs. Fund
Mosaic	\$5,000	Mosaic Int'l IDP Conference
Political Studies	\$750	Political St. Students Conf. (PSSC)
UMSU	\$500	Rainbow Pride Mosaic
University Accessibility	\$200	National Aboriginal Day on Campus
University College	\$500	W.L. Morton Dist. Lecture - U. College
Zoology	\$500	25th Annual Lubinsky Memorial Lecture

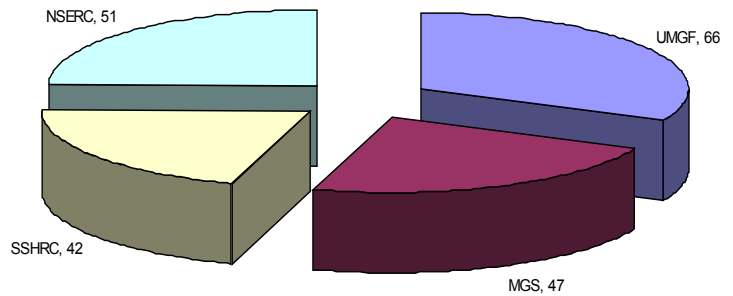
### Graduate Student Scholarships



### Continuing Awards



### New Awards



# TRAVEL AWARDS

The Faculty of Graduate Studies allocate approximately \$100,000 annually to assist Master's and Ph.D. students with costs for travel for presentations of papers, posters, or other creative work pertinent to their studies. Approved events include conferences, major festivals or other artistic events sponsored by recognized national or international organizations, but excludes applications for travel to the Congress of the Social Sciences and Humanities. This was the first year that the terms of reference for travel awards were broadened to include attendance at major festivals or other artistic events for the presentation of creative work. Formally, this award had been limited to "conventional" conferences. Moreover, funding for this award was increased by \$70,000 from its former allocation of \$30,000 annually.

A total of 174 students were allocated travel awards. For travel in North America, students are given up to \$500, whereas international travel is allocated a \$750 limit plus a \$500 allowance for any visa requirements.

Three competitions were held. The results of those competitions are as follows:

## **Summary of Travel Awards**

Competition	No. of Awards	Commitment
July 2005	58	\$38,250.
December 2005	13	\$8,500.
March 2006	103	\$68,000.
<i>Totals</i>	<i>174</i>	<i>\$114,750.</i>

From the above totals, the average level of support to a student was \$660.

# EMERGENCY LOANS

The Faculty of Graduate Studies manages an emergency loan fund to assist full-time graduate students with immediate educational and living cost problems. Emergency loans are not provided to pay tuition fees. The maximum amount available to a student is \$1,000. At the time of printing, the Faculty of Graduate Studies had \$129,789.50 in outstanding emergency loans to 145 graduate students.

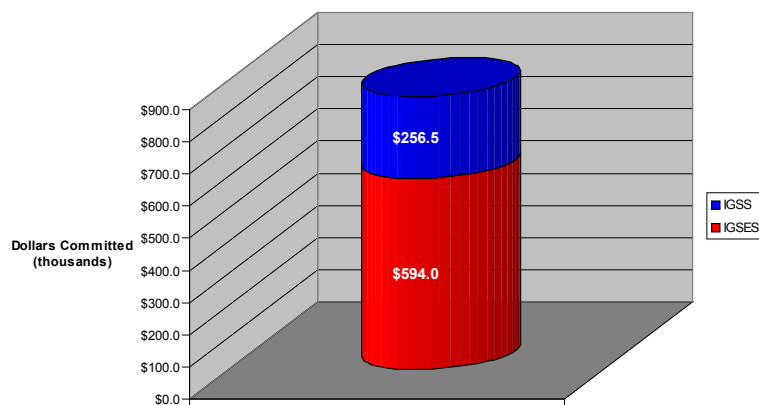
# INTERNATIONAL GRADUATE STUDENT AWARDS

Two types of International Graduate Student Awards were created and offered in 2005/06: the International Graduate Student Entrance Award (IGSES) and the International Graduate Student Scholarship (IGSS).

An IGSES was awarded to international students entering the first year of study in the Faculty of Graduate Studies at the University of Manitoba as full-time students pursuing a Master's or Ph.D. degree or Graduate Diploma and who had achieved a minimum grade point average of 3.5 based on their most recent two full-time years of study. A total of 155 entrance awards worth \$594,000 were committed.

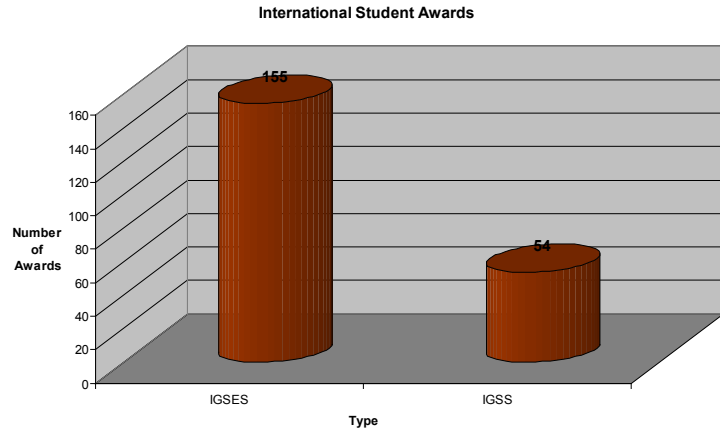
An IGSS was awarded to international students continuing in full-time study in the Faculty of Graduate Studies at the University of Manitoba in either the second year of a two-year Master's program, the second year of a two-year Ph.D. program, the second or third year of a three-year Ph.D. program, or in the first year of a Ph.D. program after completing a Master's degree at the University of Manitoba. In addition, IGSS recipients were required to have achieved a minimum cumulative grade point average of 3.75 over the equivalent of the last two completed years of study. Continuing award commitments totaled \$256,500; a total of 54 scholarships were awarded.

In total, more than \$850,000 was committed to support international graduate students.



Funds committed (in thousands of dollars) to support International Graduate Student Entrance Scholarships (IGSES) and International Graduate Student Graduate Scholarships (IGSS).

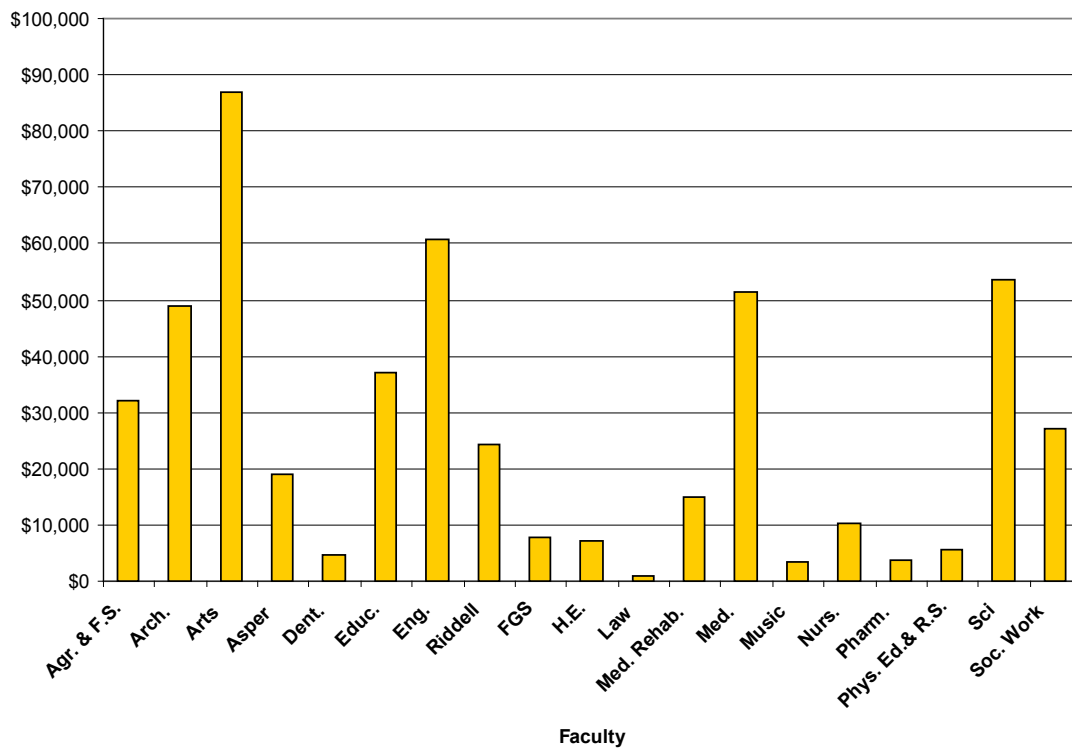
Number of International Graduate Student Entrance Scholarships (IGSES) and International Graduate Student Graduate Scholarships (IGSS) committed in 2005-06.



## RESEARCH ASSISTANT FUNDING

2005-06 fiscal year saw the creation of a Research Assistant fund to provide smaller amounts of support to graduate students not supported by a “major” award. The fund was established at a value of \$350,000. Combined with unallocated funds a total of \$425,000 was distributed as follows to Faculties for distribution to units offering graduate programs.

The allocation to each faculty was based on the number of full-time equivalent students within each unit.



# NORTHERN SCIENTIFIC TRAINING PROGRAM

In 1961, the government of Canada established a fund, which later became known as NSTP, to supplement research grants to encourage and facilitate the participation and training of graduate students and senior undergraduate students in northern studies. The program is managed by Indian and Northern Affairs Canada (INAC). The University of Manitoba provided support for 21 students totaling \$52,248.

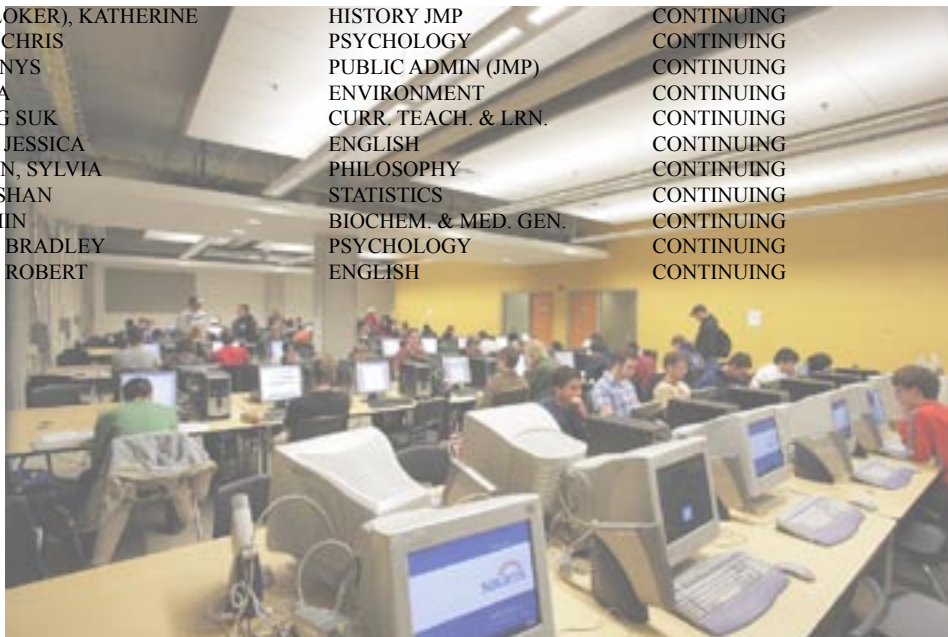
Arnold, Ginger  
Bhuiyan, Hassan  
Bonny, Elly  
Carrie, Jesse  
Churchill, Jacqueline  
Deutsch, Nathan  
Edye-Rowntree, Joel  
Elliott, Kyle  
Galley, Ryan  
Hare, Alexander  
Isleifson, Dustin  
Kuzyk, Zou Zou  
Langlois, Alexandre  
Nagam, Julie  
Pazerniuk, Monica  
Pleoquin, Claude  
Pomerleau, Corinne  
Scott, Glenn  
Trachtenberg, Michael  
Trudel, Danielle  
Wiens, Jonathan



# UNIVERSITY OF MANITOBA GRADUATE FELLOWSHIP

## MASTERS AWARDS - (continuing award recipients)

Name	Unit	Status
ANDERSON, KRISTIN	COMM. HLTH. SC.	CONTINUING
BHANDARI, SANJIV	ANIMAL SCIENCE	CONTINUING
BROWN, DERRICK	GEOGRAPHY & ENV.	CONTINUING
DANOS, MARIA	PHARMACOLOGY & TH.	CONTINUING
DEB, APURBA	N.R.I.	CONTINUING
DRIEDGER, DIANE	EDUCATION	CONTINUING
DUNMOLA, ADEDEJI	SOIL SCIENCE	CONTINUING
FORTUNE, KATHLEEN	PSYCHOLOGY	CONTINUING
GLENDINNING, LESLEY	ENGLISH	CONTINUING
HLYNSKY, KATIE	ARCHITECTURE	CONTINUING
HOSSAIN, AMZAD	ECONOMICS	CONTINUING
ISLAM, MD. RASHEDUL	CIVIL ENG.	CONTINUING
KASLOFF, ADA	POLITICAL STUDIES	CONTINUING
KHAN, M. SYEED-UZ-ZAMAN	ECONOMICS	CONTINUING
KIM, SUNG JOON	CIVIL ENG.	CONTINUING
KLASSEN, KATHERINE	NURSING	CONTINUING
KOMARNISKY, SARA	ANTHROPOLOGY	CONTINUING
LI, HE	STATISTICS	CONTINUING
MANSFIELD, SHANNON	FAMILY SOC. SCI.	CONTINUING
MARION, CAROLE	PSYCHOLOGY	CONTINUING
MCGHAN, GWEN	NURSING	CONTINUING
MCRAE, SHEILA	MED. REHAB.	CONTINUING
NATALI, BRYAN	CLASSICS	CONTINUING
NAWAZ, SALEEMA	ENGLISH	CONTINUING
QU, YUEXIA	CIVIL ENG.	CONTINUING
ROBINSON, AMBER	ZOOLOGY	CONTINUING
SALINS, PRADEEP	BIOCHEM. & MED. GEN.	CONTINUING
SANDOMIRSKY, KIRSTEN	INTERIOR DESIGN	CONTINUING
SEABA, NATHALIE	NRI	CONTINUING
STEPHENS, SARA	ANTHROPOLOGY	CONTINUING
SUCHY, KARYN	ZOOLOGY	CONTINUING
TIMMS (nee LOKER), KATHERINE	HISTORY JMP	CONTINUING
TYSIACZNY, CHRIS	PSYCHOLOGY	CONTINUING
VOLKOV, DENYS	PUBLIC ADMIN (JMP)	CONTINUING
WEIER, ANNA	ENVIRONMENT	CONTINUING
WON, YOUNG SUK	CURR. TEACH. & LRN.	CONTINUING
WOOLFORD, JESSICA	ENGLISH	CONTINUING
WROGEMANN, SYLVIA	PHILOSOPHY	CONTINUING
XIAN, SHANSHAN	STATISTICS	CONTINUING
YANG, YANMIN	BIOCHEM. & MED. GEN.	CONTINUING
ZACHARIAS, BRADLEY	PSYCHOLOGY	CONTINUING
ZACHARIAS, ROBERT	ENGLISH	CONTINUING



## MASTERS AWARDS - (new award recipients)

Name	Unit	Status
ALPUCHE, JORGE	PHYSICS & ASTR.	NEW
CALDERON, TERESA	PUBLIC ADMIN (JMP)	NEW
CHMELNITSKY, ELLY	ZOOLOGY	NEW
CREARY, PATLEE ANN-MARIE	POLITICAL STUDIES	NEW
DENCHUK, ANTOANELA	CURR. TEACH. & LRN.	NEW
DUPUIS, ALAIN	ZOOLOGY	NEW
ESCOBAR-ORTIZ, JORGE	PHILOSOPHY	NEW
GESSLER, SUZANNE	CITY PLANNING	NEW
HALLETT, JAY	LANDSCAPE ARCH.	NEW
JACOBS, ROBERT	HISTORY	NEW
JANZEN, JOSEPH	AGRICULTURAL ECO.	NEW
JIN, CHUNTAI	ECONOMICS	NEW
KLASSEN, JEREMY	PLANT SCIENCE	NEW
KONDRASHOV, OLEKSANDR	SOCIAL WORK	NEW
KWIATKOWSKI, JOEL	MUSIC	NEW
LEGGE, IAN	LANDSCAPE ARCH.	NEW
LINTOTT, TRACEY	ED. ADMIN, FDN & PSYCH.	NEW
MCCULLOCH, JEFF	ECONOMICS	NEW
MCELHOES, DAVID	PHILOSOPHY	NEW
MOORE, NATHANIEL	ANTHROPOLOGY	NEW
MYERS, PETER	N.R.I.	NEW
OGBORN, DANIEL	PHYS. ED. & REC STDS.	NEW
PACHCINSKI, MARCIN	CITY PLANNING	NEW
RAJENDRAN, NANDAKUMAR	SOIL SCIENCE	NEW
ROSS, BRYAN	ENGLISH	NEW
SANDOVAL-HERNANDEZ, GUILLERMO	CIVIL ENGINEERING	NEW
SCHROEDER, DAVE	MUSIC	NEW
SCOTT, GLENN	ENVIRONMENT	NEW
SIDDHU, SILVI	FOOD SCIENCE	NEW
SPENCER, KERRY-ANN	ECONOMICS	NEW
THOMAS, ROBYN	OCCUPATIONAL THER.	NEW
VAN WALLEGHEM, JILL	ZOOLOGY	NEW
WALKER, JEREMY	CIVIL ENGINEERING	NEW

## DISTINGUISHED DISSERTATION AWARD

Lisa Norquay, Physiology  
Olanrewaju Ojo, Mechanical and Manufacturing Engineering  
Sherry Farrell Racette, Interdisciplinary Program  
Kamal Smimou, Asper School of Business

UNIVERSITY OF MANITOBA GRADUATE FELLOWSHIP  
 UNIVERSITY OF MANITOBA GRADUATE FELLOWSHIP

**DOCTORAL AWARDS - (continuing award recipients)**

<b>Name</b>	<b>Unit</b>	<b>Status</b>
ABOU AL-SOOD, MAHER	MECH. & IND. ENG.	CONTINUING
AJIBOYE, BABASOLA	SOIL SCIENCE	CONTINUING
BAHREYNI, BEHRAAD	EL. & COMP. ENG.	CONTINUING
BLAKNEY, SHERRIE	N.R.I.	CONTINUING
BORTOLUZZI, TARA	BOTANY	CONTINUING
BROWN, ELLIOTT JAMES	POLITICAL STUDIES	CONTINUING
BROWN, NANCY	RELIGION	CONTINUING
BRUBACHER, JOHN	ZOOLOGY	CONTINUING
CAMPOBELLO, DANIELA	ZOOLOGY	CONTINUING
CHEN, HAIFENG	ECONOMICS	CONTINUING
CHOUHDARY, KAJAL	CHEMISTRY	CONTINUING
CHUANG, JENNY	EL. & COMP. ENG.	CONTINUING
CHUNG, CHULHO	MECH. & IND. ENG.	CONTINUING
COFFEY, NICOLE	ENGLISH	CONTINUING
CROSSLEY, KAREN	ENGLISH	CONTINUING
CSOTONYI, JULIUS	MICROBIOLOGY	CONTINUING
DE SILVA JAYASEKARA, K.Y.	EL. & COMP. ENG.	CONTINUING
DECTER, MATTHEW*	PSYCHOLOGY	CONTINUING
DESAI, SURESH D.	ENTOMOLOGY	CONTINUING
EGERTON, JASON	SOCIOLOGY	CONTINUING
ENS, CARLA	COMM. HLTH. SC.	CONTINUING
EYFORD, RYAN	HISTORY	CONTINUING
FAN, JIANGHONG	PHARMACY	CONTINUING
GHEBRETSADIK, EYOB	ECONOMICS	CONTINUING
GHOORBANI, REZA	MECH. & IND. ENG.	CONTINUING
GHOSH, PRABAL	BIOSYSTEMS ENG.	CONTINUING
GLOCKNER, PETER	MECH. & IND. ENG.	CONTINUING
GOULET, T. NICOLE	RELIGION	CONTINUING
GUO, SENLIN	MATHEMATICS	CONTINUING
HAN, KAI	CIVIL ENG.	CONTINUING
HARRIS, FRED	EDUCATION	CONTINUING
HAYDER, SALIM	ECONOMICS	CONTINUING
HERWIG, SASHA	GEOLOGICAL SC.	CONTINUING
JAYASEKARA, NANDAKA	EL. & COMP. ENG.	CONTINUING
KADABA, NIVEDITA	COMP. SCI.	CONTINUING
KASICHAYANULA, SREENEERANJ	PHARMACY	CONTINUING
KONG, YING	ENGLISH	CONTINUING
KONYK, DEBRA	PSYCHOLOGY	CONTINUING
LASTRA, RODRIGO	BOTANY	CONTINUING
LI, HONG TAO	PHARMACY	CONTINUING
LIAO, XIAOYUN	MECH. & IND. ENG.	CONTINUING
MAHMOUD, ABDEL-RAHMAN	MECH. & IND. ENG.	CONTINUING
MAN, ALEXANDER	CIVIL ENG.	CONTINUING
MITRA, ARINDAM	COMPUTER SC.	CONTINUING
MOREHOUSE, NATHANIEL	RELIGION	CONTINUING
MUTHUKUMARASAMY, PARTHIBAN	FD. & NUTR. SC.	CONTINUING
MYHRE, BRIAN	ANTHROPOLOGY	CONTINUING
NEUFELD, HANNAH	COMM. HLTH. SC.	CONTINUING
NI, NA	ASPER SCH. OF BUS.	CONTINUING
OGEDENGBE, EMMANUEL	MECH. & IND. ENG.	CONTINUING
OTFINOWSKI, RAFAEL	BOTANY	CONTINUING
PATHAK, BIKASH	BIOSYSTEMS ENG.	CONTINUING

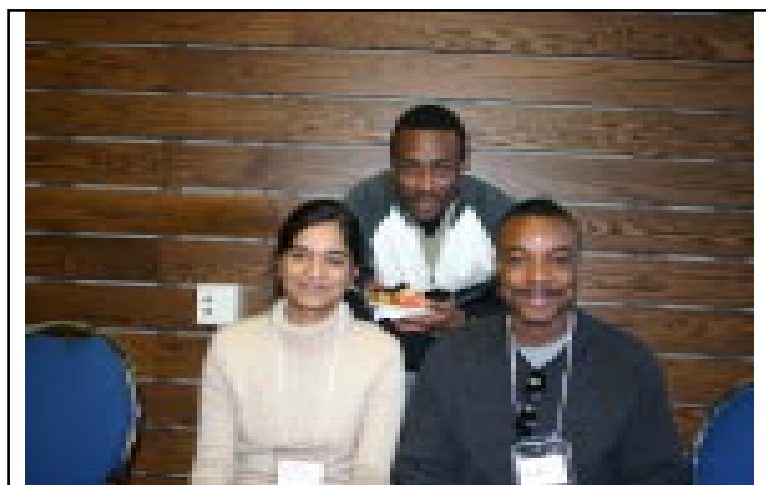
## DOCTORAL AWARDS continued

Name	Unit	Status
POURREZA, HOSSEIN	COMPUTER SCIENCE	CONTINUING
PRIESTLEY, KAREN	EDUCATION	CONTINUING
PRONYK, CARL	BIOSYSTEMS ENG.	CONTINUING
PUCHAJDA, BARTLOMIEJ	CIVIL ENG.	CONTINUING
RAGHUPATHY, RAJA	PLANT SCIENCE	CONTINUING
RAHMAN, MD. MUKHLESHUR	PLANT SCIENCE	CONTINUING
RAK, MARGARET	CHEMISTRY	CONTINUING
RAWAS QALAJI, MUTASEM	PHARMACY	CONTINUING
RENWICK, RANDALL	SOIL SCIENCE	CONTINUING
REZUTEK, PAUL	PSYCHOLOGY	CONTINUING
SADAT-TEHRANI, NIMA	LINGUISTICS	CONTINUING
SAQIB, NAJAM	ASPER SCH. OF BUS.	CONTINUING
SCHWARTZMAN, LISA	PSYCHOLOGY	CONTINUING
SHYMKO, JANNA	SOIL SCIENCE	CONTINUING
SIMS, LAURA	N.R.I.	CONTINUING
SINGH, RAJA	PHYSIOLOGY	CONTINUING
SIRSKI, MONICA	STATISTICS	CONTINUING
SMID, BORDEN	GEOGRAPHY	CONTINUING
ST. HILAIRE, BRENDA	EDUCATION	CONTINUING
SUGAWARA, TOSHIHIRO	LINGUISTICS	CONTINUING
SUKHOVICH, ALEXEY	PHYSICS & ASTR.	CONTINUING
TAZMEEN, AHMED	ECONOMICS	CONTINUING
UVAROVA, YULIA	GEOLOGICAL SC.	CONTINUING
VAN WINKEL, LIA	SOCIAL PSYCH.	CONTINUING
WANG, TAO	PHARMACY	CONTINUING
WANG, YAN	STATISTICS	CONTINUING
WILLIAMS, KYLE LEE	RELIGION	CONTINUING
WOO, WAI HONG CONNIE	PHYSIOLOGY	CONTINUING
YI, YANQING	STATISTICS	CONTINUING
YOUNG, MATTHEW	MICROBIOLOGY	CONTINUING
ZENG, HAIRONG	MECH. & IND. ENG.	CONTINUING
ZHANG, DI	ASPER SCH. OF BUS.	CONTINUING
ZHANG, ZHOU	ACCTG. & FINANCE	CONTINUING
ZHOU, XIAOJING	BIOSYSTEMS ENG.	CONTINUING

## DOCTORAL AWARDS - (new award recipients)

ABARIN, TARANEH	STATISTICS	NEW
ABOUKHADDOUR, REEM	PLANT SCIENCE	NEW
AKINLADE, DOTUN	MECH. & MFG. ENG.	NEW
ALKHATEEB, WESAM	BOTANY	NEW
AMARASINGHE, L.Y.C.	EL. & COMP. ENG.	NEW
ATMURI, VASANTHA	BIOCHEM. & MED. GEN.	NEW
BABICK, ANDREA	PHYSIOLOGY	NEW
BAGAVATHIANNAN, MUTHUKUMAR	PLANT SCIENCE	NEW
BAGHERY, AHAD	PLANT SCIENCE	NEW
BARRAL, JACQUELINE	FR., SP., & ITALIAN	NEW
BEGIC, SANELA	MICROBIOLOGY	NEW
BEINERT, RICHARD	RELIGION	NEW
CELMER, DOMINIKA	CIVIL ENG.	NEW
CHEN, QIN	ECONOMICS	NEW
CHHABRA, AMIT	COMPUTER SC.	NEW
DELVENTHAL, NAOMI	ZOOLOGY	NEW
DERKSEN, SYRAS	PSYCHOLOGY	NEW
DEY, ASIT	BIOSYSTEMS ENG.	NEW
DYCK, ANDREA	HISTORY JMP	NEW
DYTCZAK, MAGDALENA	CIVIL ENG.	NEW
ELGENDY, AMIN MOSSAD	CIVIL ENGINEERING	NEW
FAHMY, SHERIF	MECH. & MAN. ENG.	NEW
FALLAH-RAD, MEHRAN	EL. & COMP. ENGINEERING	NEW
FLORES-TAPIA, DANIEL	EL. & COMP. ENGINEERING	NEW
GHANBARNIA, KAVEH	PLANT SCIENCE	NEW
GHAZVINI, HABIBOLLAH	PLANT SCIENCE	NEW
GLENDINNING, LESLEY	ENGLISH	NEW
GRANT, DIANNE	ANTHROPOLOGY	NEW
GUPTA, ABHISHEK	MECH. & MAN. ENG.	NEW
HEDGES, KEVIN	ZOOLOGY	NEW
IDOWU, OLUWASEUN	MECH. & MFG. ENG.	NEW
JAKUL, LAURA	PSYCHOLOGY	NEW
KANDIC, MIODRAG	EL. & COMP. ENG.	NEW
KARAWITA, KW.D.C.N.	EL. & COMP. ENG.	NEW
KARPENKO, MARK	MECH. & MFG. ENG.	NEW
KEMBALL, KEVIN	BOTANY	NEW
KIARIE, ELIJAH	ANIMAL SCIENCE	NEW
KIM, SUNG JOON	CIVIL ENG.	NEW
KITO, MIE	PSYCHOLOGY	NEW
KOUSHESH KHAJOUEI, REZA	MATHEMATICS	NEW
KRAUT, JAY	EL. & COMP. ENG.	NEW
KUMAR, SAMEER	COMPUTER SC.	NEW
KUMAR, SANTOSH	PLANT SCIENCE	NEW
KUTAS, BRIAN	N.R.I.	NEW
LAWSON, JENNIFER	ED. ADMIN, FDN & PSYCH.	NEW
LE, BAO LONG	EL. & COMP. ENGINEERING	NEW
LI, SHENG	SOIL SCIENCE	NEW
LIU, LINJUN	LINGUISTICS	NEW
MAHRAN, AMRO	PLANT SCIENCE	NEW
MORRIS, ANDREW	STATISTICS	NEW
NIU, ZHIXIA	PLANT SCIENCE	NEW
NOWATZKI, NADINE	SOCIOLOGY	NEW
ODUNTAN, IDOWU OLAYINKA	COMPUTER SC.	NEW
OPAPEJU, FLORENCE	ANIMAL SCIENCE	NEW
PANKRATZ, CURTIS	COMM. HLTH. SC.	NEW
PANKRATZ, CURTIS	COMM. HLTH. SC.	NEW
PLAYFORD, TOMASIN	NRI	NEW
RAHIMI-ALISARAEI, EBRAHIM	EL. & COMP. ENGINEERING	NEW
REDDEN, JASON	RELIGION	NEW
ROBINSON, LANCE	N.R.I.	NEW
SCOTT, TIFFANY	PSYCHOLOGY	NEW
SHAJAHAN, PEER MOHAMAD	COMPUTER SC.	NEW
SHORFUZZAMAN, MOHAMMAD	COMPUTER SC.	NEW
SHUAIBI, HYSHEH	HUM. NUTR. SC.	NEW
SINGAL, TUSHI	PHYSIOLOGY	NEW

# AWARDS RECEPTION





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