

Senate Research Report ***October 20, 2010***

Awards and Honours

Queen's Prizes for Excellence in Research

Drs. Philip Jessop (Chemistry) and Roland Speicher (Mathematics and Statistics) are the 2010 winners of the Queen's Prizes for Excellence in Research. These \$5,000 awards are given in recognition of outstanding research contributions while the scholar is at Queen's. Dr. Jessop and Dr. Speicher will receive official recognition of this achievement at Queen's convocation ceremonies this fall. Public lecture events will be announced in the near future.

Royal Society of Canada New Fellows

Three Queen's professors have been elected Fellows of the Royal Society of Canada (RSC). The fellowship is made up of the most eminent scientists and is the highest honour to achieve in the arts, humanities and sciences.

- Dr. John McGarry (Political Studies)
- Dr. Guy Narbonne (Geological Sciences and Geological Engineering)
- Dr. David Thomson (Mathematics and Statistics)

Research Funding

Canadian Association of Environmental Management

- Dr. Richard Zoutman (Pathology and Molecular Medicine) received \$209,007 for his project entitled "*Canadian hospitals environmental services studies (CHESS)*"

This research report is meant to be an illustration of research activity at Queen's University and is based on information provided to the Office of the Vice-Principal (Research) by the Faculties.

Canadian Cancer Society Operating Grant

- Dr. Ian Chin-Sang (Biology) received \$297,160 over three years for his project entitled *“Genetic modifiers of the PTEN tumour suppressor in C. elegans”*

Canadian Institutes of Health Research (CIHR) Catalyst Grant Ethics (New Investigators and Mid-Career Investigators Transitioning into Ethics) Grant New

- Dr. Sergio Sismondo (Philosophy) received \$79,400 over three years for his project entitled *“Science, business, and ethics: Justifications in the pharmaceutical industry”*.

Human Resources and Skills Development Canada

- Dr. Rosemary Lysaght (School of Rehabilitation Therapy) received \$34,755 for her project entitled *“Employers’ perspectives on intermittent work capacity: What can qualitative research tell us?”*

MITACS – Accelerate Program

- Dr. Laeeque Daneshmend (Principal Investigator, The Robert M. Buchan Department of Mining) and Dr. Joshua Marshall (Co-Applicant, The Robert M. Buchan Department of Mining) received \$159,999.33 over two years for their graduate students’ (Jacob Sigler and Vladamir Vukovic) internship project entitled *“Mine traffic optimization”*.
- Dr. Ahmed Hassan (School of Computing) received \$40,000 to fund his graduate student’s (Bram Adams) internship project entitled *“Energy testing of ultra-large (ULS) systems”*.

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**Natural Sciences and Engineering Research Council of Canada (NSERC)
Collaborative Research and Development Grant**

- Dr. Hans-Peter Looock (Chemistry) received \$185,048 over four years for his project entitled *“Development of spectroscopic techniques for real-time characterization of industrial machinery fuels and lubricating oils”*.
- Dr. Patrick Martin (School of Computing) received \$164,400 over three years for his project entitled *“Autonomic workload management for DBMS”*
- Dr. Mohammad Zulkernine (School of Computing) received \$328,200 over four years for his project entitled *“Building and monitoring compromise resilient distributed service software”*.

**Natural Sciences and Engineering Research Council of Canada (NSERC)
Engage Grants**

- Dr. DongMei Chen (Geography) received \$25,000 for her project entitled *“Developing feature extraction tools for high resolution remotely sensed data”*.

**Natural Sciences and Engineering Research Council of Canada (NSERC)
Interaction Grants**

- Dr. Yongjun Lai (Mechanical and Materials Engineering) received \$3,000 for his project entitled *“Interaction with Micromolding Solution Inc. for micromold development”*.

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Natural Sciences and Engineering Research Council of Canada (NSERC) Miscellaneous Grant

- Professor Wendy Powley (School of Computing) has received \$29,950 for the “*Ontario Celebration of Women in Computing Conference (ONCWIC)*”. ONCWIC is organized by the Queen’s University Women in the School of Computing and will take place on October 22 and 23, 2010 in Kingston.
Professor Powley received \$4,550 from NSERC. The remaining funding has come from the following sources: MITACS -\$3,000, ACM-W- \$2,000, CA Technologies - \$10,000, IBM - \$3,000, RIM - \$3,000, Microsoft - \$3,000, School of Computing (including individual researchers) - \$1,400.

Queen’s University Way Memorial Trust Award

- Dr. Robert Knobel (Physics, Engineering Physics and Astronomy) received \$20,000 over two years for his project entitled “*Chemical sensing with graphene*”.