2\textsuperscript{nd} Annual

Celebrating Engineering Success Reception

2008–2009 Research Awards & Grants
Research Awards and Grants

Renewed Endowed Chairs 2008-2009

Bahen Tannenbaum Chairs in Civil Engineering
Michael Collins, CivE
Jeffrey Packer, CivE

Celestica Chair in Materials for Microelectronics
Doug Perovic, MSE

Gerald R. Heffernan Chair in Materials Processing
Torstein Utigard, MSE

The Meek Family Chair in Advanced Nanotechnology (formerly Energenius Chair)
Harry Ruda, MSE

Stanley Ho Professorship in Microelectronics
Sorin Voinigescu, ECE

2008–2009 NSERC Strategic Grants

J. Stewart Aitchison, ECE
Levente Diosady, ChemE
Glenn Hibbard, MSE
Baochun Li, ECE
Chul Park, MIE
Yu Sun, MIE

CFI Leadership Opportunity Fund

Alis Ekmekci, UTIAS
Giovanni Grasselli, CivE
Phillippe Lavoie, UTIAS
Kaiwen Xia, CivE

2008–2009 Early Researcher Awards

Round 4
Ashvin Goel, ECE
Michael Gruninger, MIE
Olivera Kesler, MIE
David Lie, ECE
Radhakrishnan Mahadevan, ChemE
Round 5
Edgar Acosta, ChemE
Axel Guenther, MIE
Emma Master, ChemE
Joyce Poon, ECE

**NSERC Accelerator Grants**
Hans-Arno Jacobsen, ECE
Olivera Kesler, MIE
Jean Zu, MIE

**Renewed Canada Research Chairs 2008–2009**

*Chair in Quantum Information*
Hoi-Kwong Lo, ECE

*Chair in Polymer Processing Technologies*
Chul Park, MIE

**New Canada Research Chairs 2008–2009**

*Chair in Diffusion-Wave Sciences and Technologies*
Andreas Mandelis, MIE

*Chair in Micro- and Nano-Engineering Systems*
Yu Sun, MIE

**2009 NSERC RTI Grants**
Constantin Christopoulos, CivE
Charles Jia, ChemE
Philippe Lavoie, UTIAS
Peter Lehn, ECE
James Mills, MIE
Shamim Sheikh, CivE
Craig Simmons, MIE
Brent Sleep, CivE
Kaiwen Xia, CivE
Jean Zu, MIE


**2009 Ontario Research Fund Research Excellence**

Congratulations to the two faculty members whose research teams were awarded ORF-RE grants. Their names have not yet been officially announced.

**NSERC CREATE**

Congratulations to the three faculty members whose research teams were awarded NSERC CREATE grants. Their names have not yet been officially announced.

**Heart & Stroke Career Investigator Award (Renewal)**

David Steinman, MIE

**NSERC Discovery Grants**

Congratulations to the 52 Engineering faculty members who were awarded NSERC Discovery grants in 2009.

**Genome Canada**

Elizabeth Edwards, ChemE: BEEM: Bioproducts and Enzymes from Environmental Metagenomes

Co-investigators: Emma Master, ChemE; Krishna Mahadevan, ChemE; Doug Reeve, ChemE; Bradley Seville, ChemE; Charles Mims, ChemE; Heather MacLean, CivE
MIE Professor Javad Mostaghimi was appointed University of Toronto Distinguished Professor in Plasma Engineering for a five-year term that began Jan. 1, 2009.

Designed to advance and recognize faculty with highly distinguished accomplishments and who display exceptional promise, the prestigious University of Toronto Distinguished Professor awards are limited to no more than 3% of the tenured faculty in a Faculty.

Professor Mostaghimi’s main research interests are the study of thermal spray coatings, transport phenomena and electromagnetics in thermal plasma sources. He has published more than 100 papers in refereed journals and has been cited approximately 1,500 times. His research has also resulted in four patents. In 1998, he founded the Centre for Advanced Coating Technologies (CACT), which is internationally recognized for its fundamental and applied multidisciplinary research in thermal spray coatings.

From 2002-2006 he served as the Vice-Dean, Research and Graduate Studies for the Faculty of Applied Science and Engineering, overseeing a nearly 50% increase in the number of doctoral students in the Faculty and coordinating the creation and implementation of a number of international agreements.

Professor Mostaghimi is a Fellow of the American Society of Mechanical Engineers, the Canadian Society for Mechanical Engineering, and the International Union of Pure and Applied Chemistry. He is a Senior Fellow at both Massey College and the Institute for Advanced Studies, University of Bologna. In addition, he is currently a member of the Advisory Board of the Ontario Research Fund and the Board of Management of the Centre for Materials and Manufacturing – Ontario Centres of Excellence.

During the term of the Distinguished Professor Award Professor Mostaghimi proposes to focus on the impact and solidification of metal droplets in thermal spray coating procedures. Increased understanding of the thermal spray process could lead to more effective methods of protecting combustion engines and turbines from heat, improving their thermal efficiency and resulting in substantial savings in fuel and lower emissions of greenhouse gases.
University of Toronto
Faculty of Applied Science and Engineering

Galbraith Building
35 St. George Street
Toronto, ON M5S 1A4
Tel: 416.978.3131
Fax: 416.978.4859
Email: dean@ecf.utoronto.ca
www.engineering.utoronto.ca