External recognition in the form of awards and honours corroborates excellence, strengthens our international reputation, and enhances our ability to attract top academics and students from across Canada and around the world. U of T engineers continue to outperform all other Canadian engineering schools in the achievement of awards and honours. In 2013-14, we received more than 21 per cent of all major international and national awards, nearly double the percentage received by the next most successful school.

Members of our U of T Engineering community also won an impressive number of emerging leader/early-career awards, such as the U of T McLean Award, the Natural Sciences and Engineering Research Council’s Steacie Fellowship and two Engineers Canada Young Engineer Achievement Awards.

As in previous years, our professors continue to receive widespread recognition from scientific and professional peers. We secured dozens of major awards and fellowships from national and international professional societies, including the Pulp and Paper Technical Association of Canada’s John S. Bates Gold Medal, the Ontario Professional Engineers Gold Medal and the Engineers Canada Gold Medal. Moreover, six U of T Engineering professors were honoured as Fellows of The Canadian Academy of Engineering and three were made Fellows of the Engineering Institute for Canada. We also won the 2014 Killam Prize in engineering.

In addition to these research accolades, we received several awards in education including the sole Alan Blizzard Award for exemplary team collaboration presented annually from the Society for Teaching and Learning in Higher Education, as well as two high-profile honours from the American Society for Engineering Education.

The University of Toronto continues to recognize the excellence within our Faculty, honouring us in 2013 with six Inventors of the Year Awards, 11 Excellence Through Innovation Awards and a Distinguished Professor Award. In 2014, we were presented with three Inventor of the Year Awards, as well as the U of T Faculty Award and a University Professor appointment.
Prestigious awards and honours for our Faculty range from international and national to provincial and local, showcasing significant achievements in research, education and service to the profession.

MIE Professor Andreas Mandelis received the 2014 Killam Prize for his work using laser to see small differences in the human body or other materials that have previously gone undetected. MIE Professor Susan McCahan, vice-dean of undergraduate studies, won the American Society for Engineering Education (ASEE) Sharon Keillor Award for Women in Engineering Education, and MIE Chair and Professor Jean Zu won the ASEE Donald E. Marlowe Award for Distinguished Education Administration.

**International**

**American Concrete Institute**
*Robert E. Philleo Award*
Doug Hooton (CivE)

**American Institute of Aeronautics and Astronautics**
*Aerospace Guidance, Navigation and Control Award*
Bernard Etkin (UTIAS)

**American Society for Testing and Materials**
*Frank E. Richart Award*
Doug Hooton (CivE)

**American Society for Engineering Education**
*Sharon Keillor Award for Women in Engineering Education*
Susan McCahan (MIE)
*Donald E. Marlowe Award for Distinguished Education Administration*
Jean Zu (MIE)

**American Society of Mechanical Engineers**
*Fellow*
Andreas Mandelis (MIE)
David Sinton (MIE)
Yu Sun (MIE)

**American Society of Mechanical Engineers Heat Transfer Division**
*75th Anniversary Medal*
Cristina Amon (MIE)
Javad Mostaghimi (MIE)

**Institute for Operations Research and the Management Sciences**
*Fellow*
Michael Carter (MIE)

**Institute of Electrical and Electronics Engineers**
*Fellow*
Wei Yu (ECE)

**Institute of Industrial Engineers**
*Fellow*
Andrew Jardine (MIE)

**International Society of Engineering Asset Management**
*Lifetime Achievement Award*
Andrew Jardine (MIE)

**International Society of Edinburgh**
*Corresponding Fellow*
Stewart Aitchison (ECE)

**Tissue Engineering and Regenerative Medicine International Society**
*Young Investigator Award*
Alison McGuigan (ChemE, IBBME)

**National**

**Canada Mortgage and Housing Corporation**
*Excellence in Education Award*
Heather MacLean (CivE)

**Canadian Academy of Engineering**
*Fellow*
Yu-Ling Cheng (ChemE)
Doug Hooton (CivE)
Andrew Jardine (MIE)
Mark Kortschot (ChemE)
Alfredo Leon-Garcia (ECE)
Andreas Mandelis (MIE)

**Canadian Academy of Health Sciences**
*Fellow*
Paul Santerre (IBBME)

**Canadian Institute of Mining, Metallurgy and Petroleum**
*Fellow*
Vladimir Papangelakis (ChemE)

**Canadian Institute of Mining, Metallurgy and Petroleum**
*MetSoc Award*
Alexander McLean (MSE)

**Canadian Society for Chemical Engineering**
*Process Safety Management Award*
Graeme Norval (ChemE)

**Canadian Society for Mechanical Engineering**
*Robert W. Angus Medal*
Cristina Amon (MIE)
Canadian Society for Mechanical Engineering  
*I.W. Smith Award*  
Tobin Filleter (MIE)  

Canadian Society for Mechanical Engineering  
*Fellow*  
Aimy Bazylak (MIE)  
Craig Simmons (MIE)  

Engineering Institute of Canada  
*Fellow*  
Nasser Ashgriz (MIE)  
Shahrokh Valaee (ECE)  
Christopher Yip (ChemE, IBBME)  

Engineers Canada  
*Young Engineer Achievement Medal*  
Michael Branch (CompE 0T3)  

Natural Sciences and Engineering Research Council of Canada  
*E.W.R Steacie Fellow*  
Milica Radisic (IBBME, ChemE)  

Pulp and Paper Technical Association of Canada  
*John S. Bates Memorial Gold Medal*  
Honghi Tran (ChemE)  

Senior Women Academic Administrator of Canada  
*Recognition Award*  
Brenda McCabe (CivE)  

Society for Chemical Industry Canada  
*LeSueur Memorial Award*  
Grant Allen (ChemE)  

Stem Cell Network  
*Till & McCulloch Award*  
Peter Zandstra (IBBME)  

The Canada Council for the Arts  
*Killam Prize*  
Andreas Mandelis (MIE)  

Women in Mining Canada  
*Trailblazer Awards*  
Samantha Espley (MinE 8T8)  

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**Provincial**  

Ontario Professional Engineers Awards  
*Gold Medal*  
Michael Sefton (ChemE, IBBME)  

Ontario Professional Engineers Awards  
*Research & Development Medal*  
Stavros Argyropoulos (MSE)  

Ontario Professional Engineers Awards  
*The Engineering Medal – Engineering Excellence*  
J. Carlos de Oliveira (CivE MASc 0T6)  

Ontario Professional Engineers Awards  
*The Engineering Medal - Entrepreneurship*  
Charles Richard Donnelly (MinE 7T6, CivE MASc 8T1)  

**U of T**  

Distinguished Professor in Global Engineering  
Yu-Ling Cheng (ChemE)  

Faculty Award  
Jonathan Rose (ECE)  

Inventor of the Year Awards, 2013  
Axel Guenther (MIE, IBBME)  
Peter Lehn (ECE)  
Andreas Mandelis (MIE)  
Milos Popovic (IBBME)  
Milica Radisic (IBBME, ChemE)  
Molly Shoichet (ChemE, IBBME)  

Inventor of the Year Awards, 2014  
Baher Abdulhai (CivE)  
Samah El-Tantawy (CivE PhD 1T2)  
Will Walmsley (MIE MASc 1T2)  

University Professor  
Molly Shoichet (ChemE, IBBME)  

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*Note:* The international, national, provincial and U of T awards listed above include honours received between June 2012 and April 2013.
### Figure 5.1 Summary of Major International, National and Provincial Awards and Honours, 2004 to 2013

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**Note 5.1:** (*) denotes U of T performance indicator. Data shown are by calendar year (January to December). Includes faculty award recipients only. In 2014, the Faculty received an Alan Blizzard Award and Killam Prize, which are not included in 5.1. To read descriptions of the awards and honours listed above, please see Appendix G.
In 2013, U of T Engineering outperformed all other Canadian schools by a wide margin. More than 21 per cent of major international and national engineering awards received by faculty in Canadian engineering schools went to our professors.

Note 5.2a and 5.2b: The following major awards are included: International — AAAS Fellowship (Engineering Section), MIT Top 35 Under 35, NAE Foreign Associate; National — CAE Fellowship, EIC Awards, EIC Fellowship, Engineers Canada Awards, Killam Prize (Engineering), Royal Society of Canada Fellowship (Engineering/Physical Sciences), Steacie Fellowship, Steacie Prize and Synergy Awards for Innovation.
Figure 5.3 Number of Awards Received by U of T Engineering Faculty Compared to other Canadian Engineering Faculties, 2008 to 2013

Selected Awards Received by Staff, 2013–2014

National

Alan Blizzard Award
Presented by the Society for Teaching and Learning in Higher Education, this prestigious national award recognizes a team whose exemplary collaboration in university teaching enhances student learning. The Faculty’s Institute for Leadership Education in Engineering (ILead) team, representing a combination of faculty and staff members, garnered this year’s award.

Dr. David Colcleugh
Professor Greg Evans (Associate Director)
Nick Evans
Amy Huynh
Cecilia Konney
Professor Alison McGuigan
Kristina Minnella
Estelle Oliva-Fisher
Deborah Peart
Professor Doug Reeve (Director)
Dr. Cindy Rottmann
Professor Robin Sacks
Patricia Sheridan
Annie Simpson (Assistant Director)
Wayne Stark
Brian Tran

University of Toronto

Excellence Through Innovation Awards
Tomas Bernreiter (MIE)
Helen Bright (Office of the Registrar)
Linda Espeut (ECE)
Janice Haugan (Office of the Registrar)
Karen Irving (ECE)
Jayne Leake (ECE)
Sergei Metropolitansky (Office of the Registrar)
Tom Nault (Office of the Registrar)
Dan Pettigrew (Office of the Registrar)
Jaro Pristupa (ECE)
Joe Wong (ECE)

Note: The international and U of T awards listed above include honours received between June 2012 and April 2013. ESC = Engineering Strategic Communications; ESRRO = Engineering Student Recruitment & Retention Office
University of Toronto Engineering Faculty Awards, 2010–2011 to 2013–2014

U of T Engineering recognizes staff and faculty excellence in research, teaching, leadership and dedication to the engineering profession through their support of our Faculty’s priorities and commitment to inspiring future global engineers.

**Agnes Kaneko Citizenship Award**
Presented to a staff member who has served with distinction and made contributions to the Faculty’s mission above and beyond their job description over a long period of time. This award was established in memory of a dedicated Civil Engineering staff member.

- 2013–14: Oscar del Rio (MIE)
- 2012–13: Mary Stathopoulos (ECE)
- 2011–12: Giovanni Buzzeo (CivE)
- 2010–11: John MacDonald (CivE)

**Faculty Teaching Award**
The highest teaching tribute awarded by the Faculty.

- 2013–14: Greg Evans (ChemE)
- 2012–13: Evan Bentz (CivE)
- 2011–12: Jonathan Rose (ECE)
- 2010–11: Jim Wallace (MIE)

**Harpreet Dhariwal Emerging Leader Award**
Presented to a staff member who leads by example in their dedication to the Faculty’s mission. Recipients are held in high regard by colleagues and demonstrate potential to assume more senior leadership roles within the Faculty. This award was renamed in memory of an esteemed staff member who received this honour in 2011-12.

- 2013–14: Luke Ng (MSE)
- 2012–13: Tom Nault (Office of the Registrar)
- 2011–12: Harpreet Dhariwal (Office of the Dean)
- 2010–11: Ryan Mendell (MIE)

**Influential Leader Award**
Presented to a staff member who demonstrates exemplary support for the Faculty’s education and research endeavours. Recipients inspire others to realize their potential through their significant and sustained contributions.

- 2013–14: Lisa Camilleri (Office of the Dean)
- 2012–13: Sandra Walker (IBBME)
- 2011–12: Austra Ozolins (ECE)
- 2010–11: Nelly Pietropaolo (CivE)

**Innovation Award**
Presented to staff who, individually or as a team, address a problem creatively by developing a new technology or making significant improvements to an existing system or method.

- 2013–14: Tomas Bernreiter (MIE)
- 2012–13: Khuong Doan, Adam Fox, Linda Marsh, Sergei Metropolitansky and Dan Pettigrew (Office of the Registrar)
- 2011–12: Jay Li (ECE)
- 2010–11: Bruno Korst-Fagundes (ECE), Steve Miszuk (Office of the Dean), Joe Wong (ECE)

**Quality of Student Experience Award**
Presented to a staff member who has made significant improvements to the quality of student experience.

- 2013–14: Susan Grant (ECE)
- 2012–13: Deborah Peart (ChemE, MIE)
- 2011–12: Shannon Osborne (MIE)
- 2010–11: Lesley Mak (Office of the Registrar)

**Research Leader Award**
Created in 2012, the Research Leader Award is presented to a faculty member or team who has shown leadership in innovative, interdisciplinary and/or collaborative research initiatives that has enhanced the Faculty’s research profile within the broader community.

- 2013–14: Javad Mostaghimi (MIE)
- 2012–13: Elizabeth Edwards, Radhakrishnan Mahadevan and Emma Master (ChemE)

**Sustained Excellence in Teaching Award**
Created in 2012, the Sustained Excellence in Teaching Award is presented to a faculty member who exhibits teaching excellence over a sustained period of time.

- 2013–14: Glenn Gulak (ECE)
- 2012–13: Tarek Abdelrahman (ECE)
The Engineering Alumni Association’s annual awards honour graduates for outstanding contributions to U of T Engineering and to the profession.

**L.E. (Ted) Jones Award of Distinction**

Inspired by the contributions of Professor Emeritus L.E. (Ted) Jones, this award honours an alumnus/alumna for his or her support and dedication to U of T Engineering and its arts community.

- 2013–14: Christopher Sun (EngSci 1T3+PEY)
- 2012–13: Ryan Alafriz (IndE 1T2+PEY), Thineshan Kathirchelvan (EngSci 1T2+PEY)

**7T6 Early Career Award**

Presented to an alumnus/alumna 10 years after graduation who is distinguished in the profession and community.

- 2013–14: Mathew Szeto (CompE 0T4)
- 2012–13: Terrence Michael Branch (CompE 0T3)

**2T5 Mid-Career Achievement Award**

Presented to an alumnus/alumna 25 years after graduation who has earned respect within the profession and broader community, attained significant achievement and exhibits promise of further contributions.

- 2013–14: Ted Maulucci (MechE 8T9)
- 2012–13: Samantha Espley (MinE 8T8)

**Malcolm F. McGrath Alumni Achievement Award**

Named in honour of Malcolm McGrath on his retirement as assistant dean, alumni liaison, this award recognizes contributions of personal service to the Faculty, University or to the greater community.

- 2013–14: Caprice Boisvert (MechE 9T3)
- 2012–13: Claire Kennedy (ChemE 8T9)

**Engineering Alumni Hall of Distinction Award**

The Hall of Distinction is an assembly of extraordinary alumni, selected by their peers for their lifelong accomplishments. These are graduates who have ultimately defined what is most exemplary in the engineering profession.

- 2013–14:
  - Prabha Kundur (ElecE MASc 6T5, PhD 6T7)
  - Gerald Smith (MechE 8T7)
  - Som Seif (IndE 9T9)
  - William Troost (ChemE 6T7)

- 2012–13:
  - Anthony Lacavera (CompE 9T7)
  - Lee Lau (ElecE 7T7, ECE MENg 8T2)
  - Donald Sadoway (EngSci 7T2, MSE MASc 7T3, MSE PhD 7T7)
  - David Wilkinson (EngSci 7T2, MSE MASc 7T4)
  - Anna Dunets Wills (CivE 7T6)

**Engineering Alumni Medal**

As the Engineering Alumni Association’s highest honour, this award is presented to an alumnus/alumna who has demonstrated superior accomplishment and serves as an outstanding role model for students.

- 2013–14: Arthur Slutsky (EngSci 7T0, IndE MASc 7T2)
- 2012–13: Paul Cadario (CivE 7T3)