



D.G. Fisher Award

This award is presented to an individual who has made substantial contributions to the field of systems and control engineering while a resident of Canada. The award is given in recognition of significant contributions in any, or all, of the areas of theory, practice and education.

Terms of Reference

Deadline: December 1 of each year

Sponsors: Department of Chemical and Materials Engineering, University of Alberta; Suncor Energy Foundation and Shell Canada Limited. Administered by the CIC's Chemical Education Fund.

Award: A plaque, \$1,000 cash and reasonable expenses, to a maximum of \$500.

Nomination must include:

- **Citation (250 word maximum)** statement of why the candidate should receive the award. This is the key document in the nomination and this information should be relevant to the achievements for which the award is being offered.
- **Biographical Sketch (maximum one page)** this provides background information on the nominee and summarizes past accomplishments. This is a summary of information obtained from a C.V.
- **Curriculum Vitae** (maximum nine pages).
- **Supporting Letters (3 to 5)** At least two letters must be from outside the nominee's organization.

The Award Selection Committee will select the award recipient based on the contributions by the nominee, letters of support and, where necessary, the solicited advice of experts.

Membership in the Institute is not a prerequisite for this award.

Award Selection Committee

- Vice-Chair of the Systems and Control Division (Chair of Committee)
- The remaining three committee members will be chosen so as to ensure adequate representation of the Canadian systems and control community.
- The members of the selection committee will be appointed to ensure that the committee contains at least one member from each of the following areas:
 - Canadian Industrial practitioners
 - Academics who hold a tenure track position at a Canadian university or a senior researcher from other Canadian institutions
 - Manitoba, Saskatchewan, Alberta, British Columbia, Yukon Territories, North West Territories or Nunavut,
 - Ontario, Quebec, New Brunswick, Nova Scotia, Prince Edward Island, Newfoundland & Labrador.
 - Nominations will be solicited and members of the selection committee will be appointed each year by the executive of the Systems and Control Division of the CShE. Sponsors shall have the option of designating a non-voting member to the selection committee.

The award shall be presented annually unless the committee considers that no suitable candidate has been nominated.

The award shall be presented at the Canadian Chemical Engineering Conference. The recipient will be required to present an award lecture.



List of Recipients

Date	Award Winner	Award Lecture
2019	Christopher L.E. Swartz	
2018	Martin Guay	Fast Extremum Seeking Control: Theory, Methods and Applications
2017	Kim McAuley	Modeling of Chemical Processes: Challenges and Opportunities
2016	Paul Nomikos	Data Driven Value Creation
2015	Peter L. Douglas	The PSE of Things – Applications to Carbon Capture & Storage
2014	Hector Budman	Application of Polynomial Chaos Expansions to Robust Control and Robust Optimization of Chemical Processes
2013	Biao Huang	Real-time Predictive Inference of Critical Process Variables in the Presence of Uncertainties
2012	No award presented	
2011	David Shook	A Practical Approach to Plant-Wide Control of a Hybrid System: Application to a Portable SAGD Plant
2010	J. Fraser Forbes	Plant-Wide Decision-Making: Distributing the Load
2009	Michel Perrier	Challenges in Biosystems Control and Optimization
2008	Thomas Marlin	A Robust MPC Approach to Supply Chain Optimization
2007	Barry Cott	Unit-Wide Model Predictive Control with SMOCP
2006	Sirish L. Shah	Plant Health Management: the Role of Digital Automation Systems in Process Monitoring
2005	Thomas Harris	Interpretations and Analysis of Performance Bounds for Multivariable Systems
2004	David W. Bacon	
2003	Guy Dumont	
2002	Park Reilly	

Previously administered directly by the Systems and Control Division

2001 John F. MacGregor