



Chemical Institute of Canada | *For Our Future*

## Macromolecular Science and Engineering Award

This award is presented to an individual who, while residing in Canada, has made a distinguished contribution to macromolecular science or engineering.

### Terms of Reference

**Deadline:** July 2 of every year

**Sponsor:** [NOVA Chemicals Corporation](#)

**Award:** A framed scroll, \$2,000 cash prize

The award shall be presented at the annual Canadian Chemistry Conference and Exhibition or Canadian Chemical Engineering Conference. The recipient will be required to present an award lecture.

#### Nominations 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 (**250 word maximum**) **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 9 pages**).
- Supporting Letters (**3 to 5**) **At least two letters must be from outside the nominee's organization.**

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

All nominations will remain in force for three years. Nominators are responsible for keeping the record of the nominee up to date and complete.

#### Selection Committee:

- **Past Chair of the CIC Board of Directors as non-voting Chair**
- **Past Chair of the Macromolecular Science and Engineering Division**
- **Two past Macromolecular Science and Engineering Division award winners**
- **In the event of a conflict of interest, the Division Chair shall designate an alternative member of the Executive to serve on the award jury**

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

### List of Recipients

| Date | Award Winner       | Award Lecture   |
|------|--------------------|---|
| 2017 | Michael A. Brook   | A Strategy for Controlled Silicone Polymer Synthesis: Just Add Water (And a Few Other Things)                                       |
| 2016 | Harald D.H. Stöver | Synthetic Polymers and Hydrogels for Biomedical Applications  |
| 2015 | Julian Zhu         | Making Polymers from Natural Compounds  |
| 2014 | Derek G. Gray      | Chiral Nematic Cellulose-based Materials  |
| 2013 | Yue Zhao           | Control of Stimuli-responsive Polymers by New Methods and Materials Design  |
| 2012 | Françoise Winnik   | Phosphoral-choline Containing Polymers: Multifaceted Biomaterials and Unique Tools in Biology                                       |
| 2011 | Shiping Zhu        | Macromolecular Reaction Engineering of Controlled Radical Polymerization—What Can Chemical Engineers Contribute to Polymer Science? |
| 2010 | Steven Holdercroft | Electro-Active Graft Copolymers: Nanostructures, Charge Transport and Power   |

|      |                       |  |
|------|-----------------------|--|
| 2009 | Robert Pelton         | The Deviant Behaviour of Labile Polyelectrolytes   |
| 2008 | Mario Leclerc         | Solar Cells Based on Poly(2,7- carbozole) Derivatives (presented lecture in 2009)                          |
| 2007 | Guojun Liu            | Nanoworld of Block Copolymers - Block Copolymer Assembly, Chemical Processing and Nanomaterial Application |
| 2006 | Z. Y. Wang            | Organic Infrared Materials and Potential Applications  |
| 2005 | Eugenia Kumacheva     |  |
| 2004 | Pudupadi Sundararajan | Simulations of Polymer Chain Folding   |
| 2003 | St. John Manley       |  |
| 2002 | Ian Manners           |  |
| 2001 | Michael K. Georges    | Stable Free Radical Living Polymerization  |
| 2000 | Almeria L. Natansohn  |  |
| 1999 | R.H. Marchessault     |  |
| 1998 | A. S. Hay             | Macrocyclic Oligomers as Precursors to Polymers with Very High Glass Transition Temperatures.              |
| 1997 | Garry L. Rempel       | The Emergence of Hydrogenated Nitrile Rubber as a High Performance Elastomer.                              |
| 1996 | D. J. Carlsson        | Polymers: Life and Death Factors.  |
| 1995 | Pierre Carreau        | Rheological Properties of Polymeric Multiphase Systems.  |
| 1994 | Robert Prud'homme     | Stéréocomplexation de Polymères: Quand? Pourquoi? et Comment?  |
| 1993 | M. Winnik             | Polymer Welding: How Diffusion Leads to Mechanical Strength.   |
| 1992 | K. O'Driscoll         | The Long and the Short of Free Radical Polymerization Kinetics.  |
| 1991 | B. L. Funt            | New Interfaces Between Polymer Chemistry and Electrochemistry.   |
| 1990 | D. J. Worsfold        | The Polysilanes.   |

#### **Polysar Award**

|      |          |  |
|------|----------|--|
| 1989 | A. Rudin | Polymer Characterization: The Best is Yet to Come. |
|------|----------|--|

#### **Dunlop Award**

|      |                 |   |
|------|-----------------|---|
| 1988 | A. Eisenberg    | Ionomer Blends.   |
| 1987 | A. E. Hamielec  | Fundamental Challenges and Commercial Opportunities in Free Radical Polymerization. |
| 1985 | D. D. Patterson | Thermodynamics and Order in Polymer and Model Systems.                              |
| 1983 | H. P. Schreiber | Applied Polymer Sciences: Variations on a Ruminative Theme.                         |
| 1981 | Donald M. Wiles | Polymer Photodegradation and Ultraviolet Stabilization.                             |
| 1979 | J. E. Guillet   | Some Light on Plastic Molecules.  |
| 1977 | H. L. Williams  | Dynamic Properties of Polymers.   |
| 1975 | S. G. Mason     | Some New Aspects of Wetting Solids by Liquids.                                      |
| 1973 | S. Bywater      | Recent Advances in Ionic Polymerization.  |
| 1971 | G. S. Whitby    | Reflections on the Early Days of Canadian Polymer Chemistry.                        |