



Chemical Institute of Canada
Institut de chimie du Canada

Macromolecular Science and Engineering Award

Terms of Reference

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

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.

If the nominee has previously received awards by the CIC and/or Societies, the nominator has to differentiate the current achievement from those that have been previously recognized.

The nomination shall remain in force for three consecutive odd years. Nominators are responsible for keeping the record of the nominee up to date and complete.

No award will be given out, if less than 3 nominations for the award are received or if the Committee considers that no suitable candidate has been nominated.

Selection Committee:

- CSC or CSCe Awards Director 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.

Complete list of recipients

- 2019 Christopher Barrett, "Azo-Dye-Containing Soft Polymers for Optical Control at the Bio Interface"
- 2018 Alex Adronov, "Conjugated Polymers, Controlled Architectures, and Nanotube Assembly"
- 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 Holdcroft, "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 Mitchell 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."