Chemical Institute of Canada
Institut de chimie du Canada

CIC Medal

Terms of Reference

This award is presented as a mark of distinction and recognition to a person who has made an outstanding contribution to the science of chemistry or chemical engineering in Canada.

Deadline

July 2 of every year

Sponsor

Chemical Institute of Canada

Award

A medal and travel expenses to the CSC or CSChE conference to present the plenary lecture.

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 a plenary 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:

- CIC Chair or Past Chair, on rotating basis as non-voting chair
- 2 Appointees of the CIC, other than the CIC Chair or Past Chair (may be Society Presidents)
- Two past CIC medalists
- In the event of a conflict of interest, substitutions may be required.

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

Complete list of recipients

2018 André Charette, "A Journey Into Organic Synthesis: Evolution of Methods and Tecyhniques to Tackle 21st Century Problems

2017 Eugenia Kuimacheva, "Nanoparticle Self-assembly Bridging the Gap between Molecules and Nanoparticles"

2016 Stephen G. Withers, "Design and Discovery of Enzyme Inhibitors Towards Therapies for Diabetes and Influenza"

2015 Axel Becke, "Full Circle, A Career in Density-Functional Theory"

2014 Douglas W. Stephan, "From Frustrated Lewis Pairs to Electrophlic Phosphorium Cations: Metal-free Approaches to Hydrogenation Catalysis"

2013 Mark Lautens, "Multicomponent-Multicatalytic Reactions $(MC)^{2R''}$

2012 Raymond Andersen, "Sponging Off Nature for New Drug Leads"

2011 Adi Eisenberg, "Block Copolymer Vesicles Following Nature's Trail with Bigger Molecules"

2010 Tom Ziegler, "Approaching Chemistry from First Principle with Density Functional Theory"

2009 R. J. D. Miller, "Making the Molecular Movie: Quest for the Structure-Function Correlation of Biology"

2008 John Vederas, "The Chemistry and Biology of Getting Drugs from Bugs"

2007 Diethard K. Bohme, "Gas-Phase Ions and Chemical Mass Spectrometry"

2006 Ronald Kluger, "Molecular Keystones: Lessons from Bioorganic Reaction Mechanisms"

2005 Peter Guthrie, "Computational Chemistry as a Tool for Mechanistic Investigations: Predicting Rate and Equilibrium Constants"

2004 Mitchell A. Winnik, "Nanowires and Nanotubes through Block-Copolymer Self-Assembly"

2003 Raymond E. Kapral

2002 Chris E. Brion, "Experimental Observation of Orbital-Like Behaviour of Valence Electrons: Which Orbital Models are Appropriate For Describing Electron Transfer?"

2001 Geoffrey A. Ozin, "Race for the Photonic Chip"

2000 Brian R. James

1999 J.C. Scaiano, "Laser Applications in the Study of Organic Reaction Mechanisms"

1998 R. J. Puddephatt, "Bond Activation by Organoplatinum Compounds"

1997 Howard Alper, "Catalysis Today: New Opportunities for Tomorrow."

1996 G. M. Bancroft, "Synchrotron Radiation: the Light Source of the Future."

1995 J. B. Jones, "Studies on Enzymes. A Personal Perspective"

1994 W.A.G. Graham, “The Rich Potential of Trispyraxolylborate Ligands.”

1993 Paul Brumer, ”Control of Chemical Reactions Using Lasers.”

1992 D. A. Ramsay, “The Spectra of Free Radicals.”

1991 K. Yates, “The Nature of Photohydration Reactivity.”

1990 Ashok Vijh, “Excursions in Electrochemical Physics.”

1989 J. L. Holmes, “Novel Ions, Molecules and Radicals; Mass Spectrometry’s Gifts to Chemistry.”

1988 Stephen Hanessian,” Man, Machine and Heuristics in Synthesis Planning.”

1987 J. C. D. Brand, ”Multiphoton Spectroscopy.”

1986 Paul Kebarle,”Energy Changes of Ionic Reactions in the Gas Phase and Solution - Bridging of the Two Fields.”

1985 A. G. Brook; “One Thing Leads to Another - From Silylcarbinols to Silaethylenes.”

1984 P. Yates, “Aspects of the Photochemistry of Cyclic Ketones.”

1983 C. Sandorfy, “Chemical Spectroscopy in the Far Ultraviolet.”

1982 P. de Mayo, “Superficial Photochemistry.”

1981 Keith U. Ingold, “Oxidation and Its. Prevention in Petrochemicals, Food and Living Systems.”

1980 W. H. Rapson, “Chemistry and Human Welfare.”

1979 Bernard Belleau, “The Curse of Opium: Requital through Medicinal Organic Chemistry.”

1978 R. J. Cvetanovic, ”Some Current Trends in Chemical Kinetics.”

1977 Ronald J. Gillespie, “Structural Chemistry of the Main Group Elements.”

1976 John. C. Polanyi, “Molecular Motions in Chemical Reactions.”

1975 B. E. Conway, “Electrochemical Studies in Surface Science.”

1974 H. J. Bernstein, ”Resonance Raman Spectroscopy.”

1973 S. G. Mason,”The Micro-Rheology of Disperse Systems.”

1972 Gerhard Herzberg, ”Spectra of Simple Free Radicals.”

1971 Keith J. Laidler, ”Adventures in Chemical Kinetics.”

1970 D. J. LeRoy, “The Kinetics of the Simplest Chemical Reactions.”

1969 C. A. McDowell, “Photoelectron Spectroscopy.”

1968 J. A. Morrison, “The Unexpected Behavior of Solid Methane at Very Low Temperatures.”

1967 Harold E. Gunning, “Sulphur Atom Chemistry.”

1966 W. H. Gauvin, “High Temperature Research.”

1965 P. A. Giguére, “Thirty Years of Peroxide Chemistry.”

1964 Raymond U. Lemieux, “The Chemical Synthesis of Glycosides.”

1963 K. Wiesner, “Ten Years of Studies on Basic Terpenes at the University of New Brunswick.”

1962 E. Baer, “Natural Phospholipids - Synthesis and Structure.”

1961 W. G. Schneider, “Problem Electrons.”

1960 C. B. Purves, “Locating Substituents in Cellulose - A Review.”

1959 R. H. Manske, “Fifty Years with Alkaloids.”

1958 C. A. Winkler, “Active Nitrogen.”

1957 H. G. Thode, “The Geochemistry of the Sulphur Isotopes.”

1956 L. Marion, “The Biogenesis of Alkaloids.”

1955 A. R. Gordon, “Current Problems in the Field of the Electrolytes.”

1954 R. K. Stratford, “Thirty Years in Petroleum Research.”

1953 E. W. R. Steacie, “Present Status of Radical Mechanisms for Organic Decompositions.”

1952 O. Maass, “Some Underlying Factors Involving the Process of Wood Pulp Production.”

1951 T. Thorvaldson, “The Training of Chemists for Industry.”