



Canadian Society for Chemistry | **For Our Future**  
Société canadienne de chimie | **Pour notre avenir**

## Keith Laidler Award

### List of Recipients

Date	Award Winner	Award Lecture
2023	No award	
2022	W. Scott Hopkins	
2021	No award	
2020	Fiorenzo Vetrone	
2019	Pavle Radovanovic	
2018	Dennis Hore	Molecular Structure at Surfaces from Nonlinear Vibrational Spectroscopy Combined with Computer Simulations
2017	Viktor N. Staroverov	Wave Functions, Density Functionals, and Kohn-Sham Potentials
2016	Venkataraman Thangadurai	Solid State Chemistry for Energy Storage and Conversion
2015	Gonzalo Cosa	Visualizing Chemistry at the Single Molecule/Particle Level
2014	David Bryce	Solid-state NMR at the University of Ottawa
2013	Roman Krems	Molecular Dynamics at Ultracold Temperatures
2012	Aicheng Chen	Electrochemical and Photochemical Catalysis Based on Functional Nanomaterials
2011	Paul Ayers	Breaking the Curse of Dimension for the Electronic Schrödinger Equation with Functional Analysis
2010	Ruth Signorell	Understanding Aerosols on a Molecular Level
2009	Paul Wiseman	Cellular Cartography: Mapping Protein Transport and Interactions in Living Cells with Image Correlation Spectroscopy
2008	Albert Stolow	Non-Adiabatic Molecular Dynamics and its Quantum Control
2007	Pierre-Nicholas Roy	Rotational Dynamics of Doped Superfluid Clusters
2006	Gregory D. Scholes	Photophysics of Nanoscale Materials: The Question of Shape
2005	No award	

## Noranda Award

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2004	Peter G. Kusalik	Understanding the Behaviour of Liquid Water: The Importance of Quantum Effects
2003	Wolfgang Jäger	
2002	Gustavo A. Arteca	
2001	Donald Douglas	
2000	R. A. Wolkow	
1999	Tucker Carrington Jr.	
1998	B. Roux	Understanding Biomolecules with the Help of Computer Simulations
1997	K. T. Leung	Chemical Applications of Electron-Matter Interactions: From Probing Low-Temperature Industrial Plasmas and Atmospheric Chemistry of "Environment-Safe" Freon-Substitutes to Enhancing Novel Surface Reactions on Metals and Semiconductors
1996	Mary Anne White	Thermal Properties of Solids: Etude in Three-Part Anharmonicity
1995	J. S. Tse	Order Out of Disorder
1994	Axel D. Becke	Kohn-Sham Density-Functional Theory: The "Perfect" Molecular Orbital Formalism
1993	John W. Hepburn	Under the Rainbow: Photochemistry and Photoelectron Spectroscopy Using Coherent Vacuum Radiation
1992	Norman Dovichi	Thermo-Optical and Laser-Induced Fluorescence for High Sensitivity Measurements of Condensed Phase Systems
1991	A. Thakkar	Choices in Theoretical Chemistry: A Retrospective
1990	No award	
1989	Adam P. Hitchcock	Inner-Shell Excitation: An Element Specific Probe of Geometric and Electronic Structure
1988	P. A. Hackett	Laser Studies of Reactive Intermediates Containing Single Metal Atoms
1987	Dennis R. Salahub	Towards the Quantum Chemistry of Transition Metal Clusters
1986	G. N. Patey	The Theory of Liquids and Solutions
1985	Paul W. Brumer	A Unified View of Classical and Quantum Intramolecular Dynamics
1984	G. A. Kenney-Wallace	Laser Probing of Molecular Dynamics in the Picosecond Domain
1983	Diethard K. Bohme	Ion Chemistry in the Gas Phase: Solving Chemistry Without Solutions
1982	R. M. Leblanc	Optical and Surface Studies of Biological Interfaces
1981	Raymond Kapral	A Microscopic View of Condensed Phase Reactions: Rings and More Rings

1980	G. P. Johari	The Electromagnetic Spectrum of Ice
1979	Ashok Vijh	Electrochemistry and Energy Science
1978	B. Bosnich	Asymmetric Synthesis - The Ultimate Synthetic Method
1977	Christopher E. Brion	Spectroscopy in the Dark
1976	James R. Bolton	Photochemical Storage of Solar Energy
1975	Brian R. James	Rhodium - Expensive, but Rich in Chemistry
1974	W. R. Cullen	Unnatural Products
1973	T. P. Schaeffer	Reminiscences of an Old-fashioned NMR Spectroscopist
1972	J. Trotter	X-Ray Diffraction Studies in Inorganic Structural Chemistry
1971	A. G. Harrison	Bimolecular Reactions of Gaseous Ions
1970	W. A. G. Graham	Metal Carbonyl Derivatives, Including Silicon, Germanium and Tin
1969	L. W. Reeves	The Future of Nuclear Magnetic Resonance as a Tool in Chemistry
1968	H. C. Clark	Synthetic Studies in Organometallic Chemistry
1967	John C. Polanyi	Energy Distribution Among Reaction Products
1966	R. J. Gillespie	Acids - Old and New
1965	J. A. Davis	Electrochemistry as a Tool of Nuclear Science and Vice Versa
1964	B. E. Conway	Electrochemical Catalysis
1963	Neil C. Bartlett	Some Unusual Oxidation States of the Noble Elements