

# Raymond Edward Kapral

Chemical Physics Theory Group  
Department of Chemistry  
University of Toronto  
Toronto, ON M5S 3H6, Canada

☎ +01 (416) 978 6106  
📠 +01 (416) 978 5325  
✉ [rkapral@chem.utoronto.ca](mailto:rkapral@chem.utoronto.ca)  
🌐 <https://sites.chem.utoronto.ca/chemistry/rkapral/>

Present Position: Professor of Chemistry

## DEGREES & GRADUATE STUDIES

1964–1967 Ph.D., Chemistry, Princeton University, New Jersey  
1960–1964 B.Sc., Chemistry, King's College, Pennsylvania

## ACADEMIC & PROFESSIONAL EXPERIENCE

1980– Professor, University of Toronto, Department of Chemistry  
1974–1979 Associate Professor, University of Toronto, Department of Chemistry  
1969–1974 Assistant Professor, University of Toronto, Department of Chemistry  
1967–1969 Research Associate, Massachusetts Institute of Technology, Department of Chemistry

## VISITING ACADEMIC APPOINTMENTS

- Technical University of Berlin, Department of Physics, September–December 2010.
- Fritz-Haber Institute, Department of Physical Chemistry, February–August 2004.
- Max Planck Institute for the Physics of Complex Systems, Dresden, Germany, May–December, 2003.
- Università degli Studi di Roma, “La Sapienza”, Department of Physics, Visiting Professor, 1989-1990; November, 1996; March, 2001; May, 2001, April-May, 2002.
- CEA — Service de Physique de l'Etat Condensé, Centre d'Etudes de Saclay, France, Visiting Scientist, February 1997.
- Technion, Israel, Department of Chemical Engineering, Visiting Professor, December 1996.
- University of Paris VI, France, Laboratoire de Physique Theorique des Liquides, Visiting Professor, July 1986; January 1990; May 1995.
- Universidad de Los Andes, Venezuela, Department of Astrophysics, Visiting Professor, November 1994; April 2001.
- Université Libre de Bruxelles, Belgium, Service de Chimie-Physique II, Visiting Professor, 1982-1983.
- Lorentz Institute, Leiden, The Netherlands, Department of Physics, Visiting Professor, 1976-1977.

## **ACADEMIC AWARDS & DISTINCTIONS**

- 2016 International Solvay Chair in Chemistry, Solvay Institutes and Universite Libre de Bruxelles, Brussels, Belgium
- Mercator Fellow, German Science Foundation, Research Training Group, Technical University, Berlin, 2014–2018
- Canadian Association of Theoretical Chemists (CATC) Honorary Lecture, Montreal, 2014
- E. W. R. Steacie Award of the Canadian Society for Chemistry, 2011
- Humboldt Senior Research Award, Alexander von Humboldt Foundation, Germany, 2004
- Chemical Institute of Canada Palladium Medal, 2003
- Martin Gutzwiller Fellow, Max Planck Institute for the Physics of Complex Systems, Dresden, 2003
- Fellow of the Royal Society of Canada, 1996
- Fellow of the Chemical Institute of Canada, 1996
- John C. Polanyi Award of the Canadian Society for Chemistry, 1996
- Killam Research Fellow, 1994–96
- Fellow of the American Physical Society, 1994
- Noranda Award in Physical Chemistry of the Canadian Society for Chemistry, 1981

## **EDITORIAL POSITIONS & PANELS**

- Editor, Journal of Statistical Mechanics, 2008–.
- Editorial Board, Interdisciplinary Science: Computational Life Sciences, 2010–.
- Editorial Board, Chaos, 1996–.
- Editorial Board, Physical Review E, 2002–2007.
- Editorial Board, Theoretical Chemistry Accounts, 2002–2009.
- Editorial Board, International Journal of Bifurcation and Chaos, 1999–2009.
- Editorial Board, ChemPhysChem, 2000–2004.
- Editorial Board, Discrete and Continuous Dynamical Systems, 2000–2001.
- Editorial Board, Nonlinear Science Today, 1995–1999.
- Editorial Board, Advances in Chemical Physics, 1984–1995.
- Editorial Board, Canadian Journal of Chemistry, 1988–1990.
- American Institute of Physics Panel to review the journal Chaos, 1995.
- Consultant to Ontario Council on Graduate Studies committee to carry out an appraisal of the joint MSc/PhD Program in Chemistry at the Universities of Guelph and Waterloo, April 2002.
- NSERC Physical/Analytical Chemistry Grant Selection Committee, 1998–2002; Chair 2002.

- Ontario Council on Graduate Studies, appraisal of proposed MSc program in Modelling and Computational Science at the University of Ontario Institute of Technology, Oshawa, Ontario, 2005.
- Royal Society of Canada committee on Freedom of Scholarship and Science, 2003-2005.