

**Permanent Address:**

National Research Council of Canada  
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**Education:**

1962: B.Sc.(Chemistry) King's College London, England  
1965: Ph.D.(Theoretical Chemistry) Cambridge University, England  
Ph.D. supervisor: Prof. H. C. Longuet-Higgins, F.R.S.

**Employment**

All at the National Research Council of Canada

## Location:

1965-1969 in The Division of Pure Physics, Spectroscopy Group  
1969-1975 in The Division of Physics, Spectroscopy Group  
1975-1994 in The Herzberg Institute of Astrophysics, Spectroscopy Group  
1994-1995 in The Steacie Institute for Molecular Sciences, Spectroscopy Group  
1995-2007 in The Steacie Institute for Molecular Sciences,  
Theory and Computation Program

## Rank:

Oct 1965 - Dec 1966: Postdoctoral Fellow  
Dec 1966 - Dec 1970: Assistant Research Officer  
Jan 1971 - Dec 1978: Associate Research Officer  
Jan 1978 - Jan 1997: Senior Research Officer  
Jan 1997 - Nov 2007: Principal Research Officer

**Current Guest Appointments**

Sept and Oct each year since 2006: Guest Scientist at the Fritz Haber Research Institute  
of the Max Planck Society, Berlin, Germany  
Nov 2007 - Present: Associate Researcher at The New Zealand Institute for Advanced  
Study (NZIAS), Massey University, Auckland, New Zealand  
Feb 2008 - Present: Researcher Emeritus at The National Research Council of Canada

**Named Lectures**

1995: Royal Australian Chemical Institute Physical Chemistry Lecturer  
1996: Birss Memorial Lecturer at the University of Alberta at Edmonton

**Awards**

1995: Senior Award of the Alexander von Humboldt Stiftung  
2001: Fellow of the International Union of Pure and Applied Chemistry  
2002: Ioannes Marcus Marci Medal of the Czech Spectroscopy Society  
2002: The Sir Harold Thompson Memorial Award  
2004: Fellow of the Chemical Society of Canada

**Editorial Boards**

1982-1986: Computer Physics Reports  
1986-1992: Chemical Physics Letters  
1994: Special Issue of The Journal of the Optical Society of America  
1999-2007: Molecular Physics

**Visiting Scientist Positions**

Oct 1974 - Mar 1975: ETH-Zurich, Switzerland  
Apr - Jun 1975: University of Stockholm, Sweden  
Jul - Sept 1977: ETH-Zurich, Switzerland  
Summers 1982 - 1995: MPI for Astrophysics, Garching, Germany  
Apr - Jun 1988: Fellowship from the Japanese Society for the Promotion of Science  
November 1995: Ibaraki University, Mito, Japan  
November 1997: Ibaraki University, Mito, Japan  
September 2000: MPI for Astrophysics, Garching, Germany  
October 2000: East China Normal University, Shanghai, China  
November 2000: The Chinese University of Hong Kong, Hong Kong  
Nov - Dec 2003: Kyushu University, Japan  
September 2014: LENS, University of Florence, Italy  
October 2016: LENS, University of Florence, Italy

**International Committees**

1972-1976: Member of the organizing committee of IR and Raman Spectroscopy Gordon Conference  
1980-2001: Member of IUPAC Commission I5: Molecular Structure and Spectroscopy Sub-committee  
1993: Member of the organizing committee of Topical Conference on High Resolution Spectroscopy of the Optical Society of America  
1999-2000: Chairman of the international advisory committee of the Ohio State University International Symposium on Molecular Spectroscopy  
2009: Member of the organizing committee of the Symposium on High Resolution Spectroscopy at ICCMSE 2009  
1995-present: Member of the international advisory committee of the Ohio State University International Symposium on Molecular Spectroscopy