

THE GERHARD HERZBERG AWARD

This award is given annually by the CSASS to a Canadian spectroscopist in recognition of outstanding achievement in the science of spectroscopy.

2007 Gerhard Herzberg Award Recipient:

Dr. Christian Reber

Christian Reber grew up in Switzerland, where he received his education in chemistry at the Universität Bern, specializing in inorganic chemistry. In 1989, he obtained his Ph.D. degree with a thesis on crystalline compounds of early first row d-block metals, work directed by Professor Hans U. Güdel. He then moved to North America to join Professor Jeffrey I. Zink's group at the University of California, Los Angeles for postdoctoral studies focused on excited electronic states of metal compounds probed by spectroscopic techniques. During this time, he also learned to apply theoretical models based on time-dependent quantum mechanics. Reber joined the faculty of the Université de Montréal in 1991 where he is currently a Professor of Chemistry, with an additional appointment since 2003 as Adjunct Professor at McGill University.



Research in the Reber group is aimed at the preparation, detailed exploration and understanding of the electronic structure of molecular solids. A unique combination of spectroscopic methods is used, consisting of steady-state and time-resolved luminescence, absorption and micro-Raman techniques, all at variable temperature and pressure. The spectroscopic results are relevant to many applications, ranging from new optical materials to chemical reactivity, making him and his team sought-after research collaborators.

Reber's previous honors include a CNC-IUPAC travel award (1997) and invited faculty fellowships at Université Louis Pasteur, Strasbourg (1998), Universität Bern (1999), Université Claude Bernard Lyon 1 (2004) and at UCLA (2007).

Past recipients:

1973	P. Krueger	1985	T.E. Gough	1997	I.S. Butler
1975	T.P. Schaefer	1986	I.C.P. Smith	1998	W.F. Reynolds and B.D. Sykes
1976	A. Cabana	1988	M.C.L. Gerry	1999	M. Pézolet
1977	C.L. Chakrabarti	1989	A.D. Bandrauk	2000	J.A. Weil
1978	H.L. Bernstein *	1990	J.L. Holmes	2001	A.R.W. McKellar
1979	R.N. Jones *	1991	G.M. Bancroft	2002	R. Sturgeon
1980	C. Sandorfy *	1992	B.R. Henry	2003	R.F. Aroca
1981	G.W. King	1993	M. Moskovits	2004	K.W.M. Siu
1982	J.C.D. Brand	1994	R.E. Wasylishen	2006	D. Bohme
1983	C.E. Brion	1995	P.T.T. Wong		
1984	H.H. Mantsch	1996	A.B.P. Lever		

* Deceased