



Prof. Peter McBreen

Prof. Peter McBreen received a doctorate in Physical Chemistry in 1981 under the direction of Prof. Martin Moskovits at the University of Toronto. His Ph.D. project was on the study of the plasmonic properties of nanostructured metal films. He did postdoctoral work on Fischer-Tropsch chemistry as an Alexander von Humboldt Fellow with Prof. Harald Ibach in Jülich, Germany. Dr. McBreen's research activities at University Laval are in the area of chemical reactivity of metal and metal carbide surfaces. His group uses surface spectroscopy and scanning tunneling microscopy to study the chemical reactivity of catalytic surfaces. His research strives to provide a fundamental understanding of surface reactions at the molecular level, to provide new chemical methods to manipulate nanostructures, and to connect organometallic and heterogeneous catalysis. He is the recipient of the 2006 Canadian Catalysis Lectureship Tour Award and is a Fellow of the American Academy for the Advancement of Science.