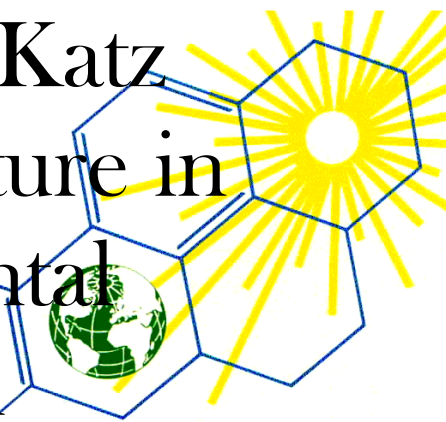


2009 Morris Katz
Memorial Lecture in
Environmental
Research



Dr. Daniel Krewski

McLaughlin Centre for Population Health Risk Assessment
University of Ottawa

**Population Health Risk Assessment:
Theory and Practice**

Friday, November 20th, 2009
2:30 p.m.

York University
Senate Chamber, N940 Ross Bldg.
4700 Keele Street, Toronto

Centre for Atmospheric Chemistry



health, life sciences, chemical safety, cancer and environmental hazards.

Dr. Krewski is a Fellow of the American Statistical Association and the Society for Risk Analysis, and a lifetime National Affiliate of the U.S. National Academy of Sciences. He is also the Scientific Director of the PAHO/WHO Collaborating Centre in Population Health Risk Assessment at the University of Ottawa. Dr. Krewski has contributed to over 450 publications in the scientific and technical literature, and is author or editor of six books.

The Lectureship Fund

The Morris Katz Lectureship was made possible by the establishment of an Endowment Fund created through contributions from his family, his friends, his colleagues, private companies, universities and government. It is intended that this lectureship become self sustaining. Major contributions in support of this year's lecture have been made by:

The Centre for Atmospheric Chemistry
and
The Ontario Ministry of the Environment

If you share in Morris Katz' enthusiasm and commitment to having a cleaner environment, please make a contribution to support this ongoing educational activity. Send your contribution in care of: The Morris Katz Memorial Lectureship, Centre for Atmospheric Chemistry, York University, 4700 Keele Street, Toronto, Ontario, M3J 1P3 Canada.

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Abstract

The traditional medical model of health and health policy development has focused on individuals and the role of medical care in preventing and treating disease and injury. Recent attention to health inequities and social determinants of health has raised the profile of population health and evidence-based strategies for improving the health of whole populations. At the same time, risk science has emerged as an important new discipline for the assessment and management of risks to health. This presentation traces historical developments in the fields of risk management and population health, and proposes a joint population health risk management framework that integrates the key elements of both fields. The use of the framework is illustrated through analyses of specific population health risk issues, including environmental radon, ambient air pollution, and prion diseases.

Biographical Sketch

Dr. Daniel Krewski was appointed Associate Scientific Director of PrioNet Canada in January 2008. He is the Director of the McLaughlin Centre for Population Health Risk Assessment where he holds the position of NSERC Industrial Research Chair in Risk Science. Dr. Krewski has been Professor in the Department of Epidemiology and Community Medicine in the Faculty of Medicine at the University of Ottawa since 1998. His professional interests are in epidemiology, biostatistics, risk assessment, and risk management and he has broad experience applied to national and international panels of experts in the fields of