

**2008 75<sup>th</sup> CSC Conference Lecturer**  
**Dr. Howard Alper**

**Thursday, March 27**

11:00-12:30 “**Green Chemistry for Organic Synthesis**” Room 1-013 ETLC (Suncor Lecture Theatre), University of Alberta (map available at [www.ualberta.ca](http://www.ualberta.ca))

Abstract: The development of new, more efficient and environmentally friendly reactions is an important goal in Chemistry. This presentation will be concerned with atom economical reactions of considerable and/or demonstrated potential to the petrochemical and pharmaceutical industries. The use of ionic liquids as media, and in some instances, promoters of chemical reactions will also be discussed.

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7:30 pm Telus Centre, Room 150, University of Alberta (north of 87 Avenue on 112 Street), parking available beneath the Timms Centre) Science Policy Panel “**Positioning Canada for a Vibrant Future**”

Welcome by Eric Newell (Chancellor University of Alberta and former CEO Syncrude Canada Ltd.)

Opening by Howard Alper followed by comments from

- Peter Hackett (President and CEO Alberta Ingenuity)
- Bob Fessenden (Deputy Minister of the Premier's Economic Strategy Council)

The development of national science, technology and innovation strategies is crucial as a basis for economic development and societal benefit. In late 2007 the Science, Technology and Innovation Council was appointed by the Federal Minister of Industry. Chair Howard Alper and its 17 members advise the federal government on science and technology issues of national importance. This is Edmonton's opportunity to hear and discuss current thinking on this topic of interest to all scientists.

Everyone welcome

Reception with light refreshments to follow.

**Friday, March 28**

9:00-10:30 am “**Building Inclusive Networks in Science – An Informal Discussion**”

Heritage Lounge, Athabasca Hall, University of Alberta (map available at [www.ualberta.ca](http://www.ualberta.ca)) This is a joint event with WISEST.

This event will include a light breakfast, muffins/bagels, fruit and coffee/tea

In this informal discussion topic the following topics will be covered

- What it's like to study chemistry in other countries
- International networks (including Dr. Alper's experience with the Japan Exchange, and his IAP work)
- Networks that include both women and men in science
- Networks that bring together academic and industrial professionals
- Networks that bring together students and professionals
- Networks that draw recent immigrants into professional circles

Dr. Alper will begin the discussion and attendees may participate.

It is recognized that people may not be able to stay for the full session. Come and go as you have time.

To help us order the appropriate amount of food please **RSVP** on line via WISEST website [www.wisest.ualberta.ca](http://www.wisest.ualberta.ca).

11:00-12:15 “**Using the Tools of Science and Science Education to Meet Global Needs – An Informal Discussion**” The Kings University College 9125 50 Street  
Free parking available in front of the university.

- Brian Martin, Director of the King’s Centre for Visualization in Science, will give a 10 minute overview of the development of digital learning objects for inquiry based science education.
  - Hank Bestman, Chair Natural Sciences Division, will give a 5 minute presentation on plans to bring together natural and social scientists to develop interactive learning resources that will inform learners of their global context and invite them into global citizenship with respect to Millenium Development Goals. These first two short presentations will be designed to introduce work done at King’s about how to use the tools of science and science education to meet global needs.
  - Barbara Nyland will discuss some of her personal experiences about science in South East Asia.
  - Howard Alper will then be invited to respond to these ideas and talk about connections to his work directed toward building capacity for science, technology and innovation among developing and industrialized nations.
  - This event will conclude with informal discussions among the panel and the audience.
- Everyone welcome.

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7:30-9:30 pm “**Chocolate Tasting**” at MacEwan College 10700 104 Avenue, Building 7, Room 7-146. This is a joint event with the local CIC section.

Dennis Yurkiwsky from Chocolate Exquisite will lead a tasting of single origin chocolates. Howard Alper will informally talk about his love of chocolate and the chemistry of chocolate.

Doors open at 7:00 and tasting begins at 7:30 pm.

Cost \$25.00 cash at the door for tasting.

RSVP to Lucio Gelmini at [GelminiL@MacEwan.ca](mailto:GelminiL@MacEwan.ca)

Each participant also receives a complimentary gift from Chocolate Exquisite.

Limited Number of Participants so Register Early

### **Brief Bio of Dr. Howard Alper**

Howard Alper is a Professor at the University of Ottawa and an Officer of the Order of Canada. He was Vice President (Research) at U of O from 1997-2006. Dr. Alper was awarded the first Gerhard Herzberg Canada Gold Medal for Science and Engineering, Canada’s most prestigious research honour in 2000. From 2001-2003 he was President of the Royal Society of Canada. In 2006 he joined Canada’s International Development Research Centre (IDRC) as Visiting Executive. He is helping IDRC build more linkages between researchers from the South and the North, ensuring that both groups benefit equally from their respective research findings. In 2007 he was appointed Chair of the Science, Technology and Innovation Council, an advisory body that will provide the Minister of Industry with evidence-based policy advice on science and technology issues.

### **About the 75<sup>th</sup> CSC Lectureship Series**

These lectures are a legacy left to the scientific community in Edmonton as a result of the successful Canadian Society of Chemistry (CSC) Conference and Exhibition held in Edmonton in June 1992. Our goal is to invite internationally known speakers to inform and stimulate all members of Edmonton’s chemical community from industry, government and academia and also to bring important chemical topics to the general public. The organizing committee uses the lecture series to build or strengthen a variety of partnerships within and beyond the Edmonton scientific community.