



Centre in Green Chemistry and Catalysis WORKSHOP



October 28-29, 2010
McGill University
Otto Maass Building
Room 112

Fonds de recherche
sur la nature
et les technologies



FEATURED SPEAKERS

Robert Peoples (ACS Green Chemistry Institute)
Lynn Léger (GreenCenter Canada)
Jennifer Howard-Greenville (University of Oregon)
Andrew Nelson (University of Oregon)

FEATURED LECTURES

The Chemical Enterprise in the 21st Century

The foundation of our modern chemical infrastructure is rooted in the rapid development in understating the rules of chemistry in the late 19th and early 20th centuries. Coupled with a cheap and plentiful supply of both energy and chemical building blocks derived from petroleum, the modern chemical enterprise blossomed. While there were many isolated incidents over the decades, it was not until 1962 with the publication of "Silent Spring," by Rachael Carson, that a real awareness of the impact of mankind on our environment entered our collective consciousness. Modern analytical chemistry is now revealing just how widespread, persistent and bioaccumulative many of these synthetic materials have become. Coupled with growing awareness of the demands of an expanding population, rising standards of living and the scale of resources and energy required to meet those demands, the new rules of sustainable design are sweeping across the planet like a tsunami. Green chemistry will play the central role in the transformation of chemistry from a petroleum based enterprise, take and make waste society, to one driven by the 12 principles of green chemistry and engineering.

This talk will review global perspectives driving these changes, examples of the successful implementation of green chemistry and the powerful return on investment it offers.

The Future of Humankind and the Role of Green Chemistry

Sustainability is a word that is being used more and more these days. What does it really mean and do we understand what it will take to truly be sustainable? This talk will focus on macroscopic issues facing the developing world and the resulting sustainability challenges they present. We will look at the role green chemistry can play in meeting those global challenges and provide examples of green chemistry and engineering in action. There will be "pearls of wisdom" for students in the audience and dialog is strongly encouraged.

**Presentations by
Robert Peoples, Ph.D.
ACS Green Chemistry Institute**

Friday, October 29, 10am
McGill University, Otto Maass Building, room 10

targeting chemists and chemical engineers

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Friday, October 29, 1:30pm
McGill University, Leacock Building, room 232

targeting non-chemists and especially management and environment students

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Please note, you do not have to be a chemist to appreciate this presentation. Students and faculty members from all disciplines are welcome.