

AATO, OBEC & CSC Toronto Chapter Present a Joint, Full-Day Seminar

“THE GREEN DREAM”

“2030 CHALLENGE AND BEYOND”

WEDNESDAY, APRIL 15th, 2009 – THE FACULTY SPEAKERS

Vivian Manasc, Architect, MBA, FRAIC, LEED ap®

Manasc Isaac - Edmonton, Alberta.

**The Real Green: Success and next steps toward 2030 –
Building new and re-skinning existing buildings.**



If all of our buildings could generate as much energy as they consume, while creating healthy environments for people and the planet, both inside and outside, we would achieve the goals of the 2030 challenge.

The question is: are we making progress? Vivian Manasc will speak about real world examples, successes and breakthroughs in the path to re-skinning existing buildings and designing new ones.

Manasc Isaac Architects are Canadian leaders in sustainable new building design and re-skinning of existing buildings. The firm was one of the first adopters of the 2030 Challenge and has been active in implementing its mandate.

Mark Lutes, Policy Analyst, Climate Change and Energy

The David Suzuki Foundation

Local Improvement Charges – Based Financing Mechanism



Mark leads the David Suzuki Foundation's work to advance renewable energy and energy efficiency at the provincial and local level, as well as the Foundation's efforts to create effective climate change policy in the province of Ontario. Mark is also leading David Suzuki Foundation's work in Ontario to support the use of Local Improvement Charges as a financing mechanism to support a dramatically scaled up building retrofit program.

Mark's presentation will address the need for building energy improvements to reduce greenhouse gas emissions, and the contribution that a Local Improvement Charges-based financing mechanism can make to this end, in the context of Ontario and Toronto.

Richard Carbonnier, Architect

Pond Inlet, Baffin Island, Nunavut – 74° Latitude.

Arctic Symbiosis – Better Habitat Design.



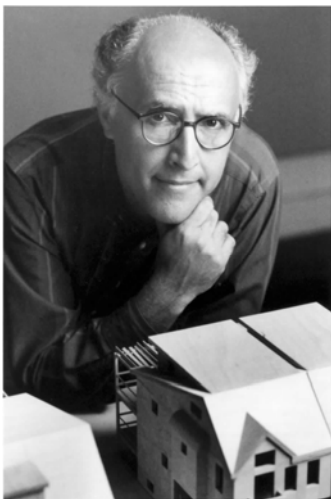
Throughout history, Inuit people harvested food and clothing from the land. Traditionally the Inuit way of life and their habitat were intrinsically related to seasonal conditions. Most remarkable was their knowledge of the land and understanding of nature which sustained their livelihood in extreme conditions.

Enriched by earlier research on Extreme Environments and having the opportunity of living in the high Arctic, the author designed and built a habitat with hands on experience. In strive of sustainable development; the notion of Arctic symbiosis is advanced as a tool for better habitat design. The presentation will review these notions, the problematic of development and construction in the high Arctic, low cost design concepts for extreme conditions with disclosure of an ice dome prototype.

Professor Avi Friedman, B.Arch. M.Arch. PhD. OAQ. IAA.

McGill School of Architecture.

Designing Sustainable Homes & Communities for the 21st Century



Fundamental economic, social and environmental transformations brought about a need to rethink design of cities, neighbourhoods and dwellings. Sustainable developments emerged as a mind-set that requires consideration of future implications of present actions. Elaborating on the concept of “Sustainability” and illustrating it through projects is the trust of Professor Friedman’s presentation. The talk will feature projects which were designed by the presenter and offer an overview of upcoming trends and opportunities.

He is a practicing architect and the recipient of numerous awards including the Manning Innovation Award and the United Nations World Habitat Award. In the year 2000 he was selected by Wallpaper magazine as 1 of 10 people from around the world “most likely to change the way we live.”

Douglas Webber, M.A.Sc. P.Eng. LEED ap®

Chair of CaGBC. Greater Toronto Chapter

Principles and Technologies of Green Building.



Doug Webber has been designing, constructing, and managing green buildings for over 15 years. He has been with Halsall Associates for the past 10 where he has managed public policy work that advances green development in 9 municipalities, managed the LEED® process on hospitals, office buildings, multi-unit residential buildings, retail, and mixed use developments and represented Canada in the development of a report on Green Building in North America for the Commission for Environmental Cooperation.

As Practice Leader Doug is responsible for ensuring that Halsall's green building knowledge, systems, and reputation are best of class in all markets served.

As the principles and technologies of green buildings become better understood, and their importance becomes more widely accepted, the need to understand and create green communities is becoming increasingly critical. This presentation will link green building metrics (including 2030 targets) to metrics being established for green communities. It will present best practices being implemented in rating systems, by regulators, by developers, and urban planners.

Professor Kim Pressnail,

Civil Engineering Dept., U of T. "A vision for 2050 design"

Designing & Building for 2050, Today! A Time to Protect Future Generations.



Professor Pressnail will be looking at the twin problems of global warming and the imminent approach of peak oil and natural gas and the end of inexpensive "solar capital". He will turn his sights toward buildings and says that more than 95% of today's buildings built in Ontario are energy-guzzlers....Yesterday's buildings, built today. We should be building Tomorrow's buildings, today! He will move to future generations and more sustainable decision-making, pointing toward several "Rays of Hope" - signs that we are emerging from the "Age of Selfishness" and entering an "Age of Responsibility." Using examples of recent building innovations and even a student initiative affectionately known as "The Promise" Pressnail offers hope for a better tomorrow.

According to Pressnail, "I might make the participants smile a bit; I may even tug on their heart-strings a little. Regardless, I hope that they leave thinking a little more deeply about their roles as designers and builders for future generations.

Andrew Bowerbank, B. Ed., LEED ap®
Executive Director, World Green Building Council.

Climate Change: Solutions through a Common Language.



Urban societies around the world are on the verge of realizing an extraordinary transformation in the marketplace. We are witnessing a shift away from current sector specific practices to a more holistic and collaborative approach to how we do business. Leaders are recognizing that a transformation is needed as it become more evident how the effects of climate change could impact future generations. Andrew Bowerbank will review current climate change perspectives; explore how market transformations of the past could help us plan for the future; and demonstrate how buildings and infrastructure need to be a major part of our efforts if we are to reduce the resource intensive demands of the built environment.

