

2007/2008 PROGRAM

The Canadian Society for Civil Engineering La Société canadienne de génie civil



A Member Society
of The Engineering
Institute of Canada

February 21, 2008 Dinner Meeting

Sponsored by Halcrow Yolles

"The Bow, Unique Responses to a Unique Project"

by Barry Charnish, P.Eng., Halcrow Yolles

Abstract:

The new 59 storey "Bow" project will be the tallest building in Calgary and Western Canada at nearly 247 meters (810 feet) high. The building is one of the largest commercial office developments in Canada with 180,000 square meters (2 million square feet) of total floor space. The Owner, Developer, Tenant and the Design team for the "Bow" project all wanted a distinctive tower design which catered to people, both occupants and the surrounding Calgary residents. An additional goal was to positively contribute to the city centre by offering a progressive and sustainable office environment.

The lateral support system consists of a perimeter trussed tube made of diagonal grids which consists of six storey high diagonals along the curved north and south elevations. The inward curving southern exterior of the building allows for many sustainable design features. This talk describes the structural design considerations of the lateral system, some of the construction methods and the unique sustainable features incorporated into the building.

About the Speaker:

Barry Charnish is a Partner at Halcrow Yolles and over the years has been a valuable contributor on many of the Firm's largest and most complex projects. After graduating from the University of Toronto with Bachelor of Applied Science in Civil Engineering, Barry joined Halcrow Yolles in 1974. Barry's area of expertise includes structural steel, reinforced and post tensioned concrete, as well as hybrid high-rise structures. Current project work includes The Bow in Calgary; Bay Adelaide Centre West Tower, Bay Adelaide East Tower, RBC Tower, Residences at the Ritz, and the Trump International Tower and Hotel in Toronto; Goldman Sachs World Headquarters in New York and the Twenty Fenchurch Project in London.

**The U of C Graduate Student Poster Competition
will take place between 5:30 pm and 6:30 pm.**

Come out early and learn about the research currently undertaken at the University of Calgary. *The Poster Competition is sponsored by the U of C's Department of Civil Engineering.*

The CSCE is a learned society intended to develop and maintain high standards of civil engineering practice in Canada and to enhance the public image of the civil engineering profession.

Please register your attendance with APEGGA Tel 262-7714 at least one day prior to event.

This Dinner Meeting will be held at the Blackfoot Inn (5940 Blackfoot Trail SE).

Dinner Meeting Schedule:
Student Poster Competition – 5:30 pm
Dinner – 6:30 pm
Presentation – 7:15 pm
Closing Remarks – 8:30 pm

Dinner Meeting Rates:
Students – \$10.00
CSCE Members – \$25.00
Non-Members – \$35.00
Season Pass – \$125.00

**Visit our local web site at:
www.cscecalgary.ca**

Other Upcoming Events:

Wednesday, February 27, 2008

Lunch-n-Learn:

Concorde Bridge Collapse

Thursday, March 20, 2008

Dinner Talk:

Shepard Stormwater

Diversion Project

Thursday, April 17, 2008

Dinner Talk:

Golden Ears Transportation

& Bridge Project

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