



愛城華人工程師學會
EDMONTON CHINESE ENGINEERS SOCIETY

c/o ASSIST Community Services Centre,
9653 – 105A Avenue,
Edmonton, Alberta, Canada T5H 0M3
Web site: www.eces.cc

OCTOBER 2008 TECHNICAL DINNER MEETING

When: October 06, 2008
6:00 PM (Networking)
6:30 PM (Dinner)

Where: 9431 Jasper Ave, 2nd Floor
Mirama Restaurant

Speaker: **Mr. Jacek Olearczyk, Ph.D. Candidate**
Department of Civil & Environmental Engineering

Topic: **4D Modeling for Modular Building Assembly Construction Operations**
The objective of this project was to simplify and optimize the field assembly operations for five three-storey dormitory buildings in McGregor Village for Muhlenberg College in Allentown, Pennsylvania. Each dormitory contain three types of modules and a total of 18 separate units; fully inhabitable entities are delivered securely on flatbed trailers to the site in advance. A 600-ton mobile hydraulic crane placed at the centre of the construction site is responsible to lift each module to its predefined destination.
In the presentation Mr. Olearczyk will introduce the audience to the project, present challenges which the assembly crew were expecting to face during construction assembly and actual ones which they really encountered, discuss the research and use of a mathematical algorithm for crane layout optimization, and few critical lifts analysis procedures.

Cost: **\$15 (member)/\$10 (student member)**
\$25 (non-member)/\$15 (student non-member)
– *Prices include GST & gratuities*

Includes technical presentation and 9-course Chinese dinner

Contact: Please register with **Cuong Vuong** at
(780) 265-6880 or <mailto:cuong.vuong@hotmail.com>
