

**GORDON F. SHYMKO, P. ENG.**

PRINCIPAL

**EDUCATION**

1983 University of Manitoba, B.Sc. Eng. (Mech.)

**PROFESSIONAL REGISTRATION**

P. Eng. – Saskatchewan, Manitoba, Ontario, Alberta, British Columbia, Yukon

**PROFESSIONAL AFFILIATIONS**

LEED® Accredited Professional, ASHRAE Member

**PROFESSIONAL PRACTICE**

1998 – pres. G. F. Shymko & Associates Inc. – Principal; Vancouver, BC; Calgary, AB  
1996 - 1998 Tescor Energy Services Inc. – Western Regional Manager; Vancouver, BC  
1993 - 1996 D.W. Thomson Consultants Ltd. – Manager, Energy and Environmental Engineering; Principal; Vancouver, BC  
1991 - 1993 G.F. Shymko & Associates Inc. – Principal; Winnipeg, MB  
1983 - 1991 E.J. Faraci & Associates Ltd. – Energy Engineer; Manager, Special Projects; Winnipeg, MB

Gordon Shymko has over 24 years of experience in advanced building design and energy and sustainability engineering. He has provided consulting service for new and retrofit/renovation projects from the conceptual planning stages down to the detailed design level, and is considered one of North America's foremost authorities in his field. Notable achievements include the design facilitation and energy/sustainability engineering of two of the three Canadian entries in the 2002 International Green Building Challenge, and the design facilitation and energy/sustainability engineering of the majority of successful C-2000 projects to date. His portfolio of projects represents several billion dollars in construction value.

In addition to awards at the national level, Gord has past and current advisory appointments to Natural Resources Canada, the United States Department of Energy, the US and Canadian Green Building Councils, the National Research Council, the Canadian Standards Association, the ANSI Green Building Initiative, ASHRAE, and numerous provincial and municipal authorities.

He is a LEED Accredited Professional and was a pre-approved Design Facilitator for C-2000 for the ten-year duration of the program. Gord was also appointed to the Canadian National Committee for the international Green/Sustainable Building Challenge in 2000, 2002, and 2005, is continuing that role for SBC in 2008.

**COMMITTEE APPOINTMENTS**

- Green/Sustainable Building Challenge (SBC): Member, Canadian National Team for the selection and evaluation of Canadian entries into an international green building showcase, Maastrich 2000, Oslo 2002, Tokyo 2005, Melbourne 2008.
- International Performance Measurement & Verification Protocol (IPMVP): Co-Chair, Technical Sub-Committee and primary section author, IPMVP Vol. III, New Buildings.
- US and Canadian Green Building Councils: Committee member, LEED Technical Advisory Group (TAG).
- ANSI Green Building Initiative – Green Globes™: Member, Core Committee.
- CANMET C-2000 Program for Advanced Commercial Buildings: Design Facilitator and Standing Expert.

- Consulting Engineers of BC: Past Chair, Energy and Environment.
- Efficiency Valuation Organization (EVO): Chair, Green Buildings Subcommittee.
- Building Environmental Performance Assessment Criteria (BEPAC): Past member, Steering and Technical Committees.
- City of Vancouver: Energy Utilization By-Law Task Group.
- Canadian Model National Energy Code for Buildings: BC Technical Review Committee.
- Canadian Standards Association: Various technical standards committees.
- Natural Resources Canada: Various technical advisory committees.

### **REPRESENTATIVE PRESENTATIONS, PUBLICATIONS AND DEMONSTRATIONS**

- Various Topics: Dozens of presentations to local CaGBC chapters, industry groups, and conferences.
- Course Leader: Green Buildings – a 2-day course produced by Federated Press, Vancouver and Calgary, 2006.
- Building Context Issues in Assessing Performance – District, Off-Site, and Non-Traditional Energy Sources (Advanced Building News, Jan 2006).
- True Green (Canadian Consulting Engineer, Dec 2003).
- Earth's Exchange - Ground Source Heat Pumps (Canadian Consulting Engineer, Aug/Sept 2000).
- International Performance Measurement and Verification Protocol for New Buildings (Green Building Challenge '98, Vancouver BC).
- Sustainable Building Engineering (British Columbia Construction Round Table, 1998).
- Sustainability Engineering - A New Approach to Building Design (Sustainable Building Symposium, Calgary, 1999).
- Building System Alternatives and Issues (Sustainable Building Symposium, Edmonton, 1998).
- Ener-Praisal - The Value of Energy Efficiency Measures: Development and delivery of this national seminar tour for continuing education program of the Appraisal Institute of Canada, with the support of Energy, Mines and Resources Canada. Largest educational program ever sponsored by EMR Canada.
- Ener-hosp - Energy Conservation for Manitoba Health Care Facilities: Demonstration projects, technical manual and seminars for facility operators. Commissioned by CREDA.
- Energy Conservation for Swimming Pools and Energy Conservation for Indoor Ice Arenas: Demonstration projects, technical manuals and seminars for facility operators. Commissioned by CREDA.
- C-2000 and Beyond (The Energy and Environmental Management Conference, Monterey, 1996).
- Integrating Energy Engineering with Architecture (AIBC Festival of Architecture, Vancouver, 1995).
- Sustainable Design: New Directions for the 21st Century (Urban Design Institute Development Conference, San Diego, 1995).
- ASHRAE Commercial/Institutional Ground-Source Heat Pump Engineering Manual (Expert review, ASHRAE Commercial/Institutional Ground-Source Heat Pump Engineering Manual, 1995).

### **REPRESENTATIVE ENGINEERING AND ANALYSIS PROJECTS**

See project list.