

EUROLINE TECHNOLOGY FORUM 2009

Dear Architect / Builder / Contractor / Developer,

We would like to invite you to this year's EuroLine Technology Forum, which will take place on **October 8, 2009**.

Architects who attend the full seminar will receive **7 core LUs** from the AIBC.

For more information on topics that will be covered, please visit our website at **www.euroline-windows.com**.

To register, please fill out the attached form and fax or mail it back.

8:00 – 8:30	Registration
8:30 – 9:30	Main Window Components Supplier Presentations
9:30 – 10:15	Graham Finch, RDH Building Engineering Ltd. High Performance Windows and ASHRAE 90.1 Compliance
10:15 – 10:30	COFFEE BREAK
10:30 – 11:15	Erik Kaye & David Bruce, BC Government Energy Regulations in BC
11:15 – 12:30	Tour of EuroLine Manufacturing Plant
12:30 – 13:30	LUNCH BREAK
13:30 – 14:45	Dr. Patrick Moore Environmental Challenges
14:45 – 15:45	Stefan Kulig New Approach to Fenestration Products for Commercial Buildings
15:45 – 17:00	Open for discussions

Date

Thursday, Oct. 8, 2009
Registration: 8:00 a.m.

Location

Delta Town & Country Inn
6005 Highway 17
(at Hwy 99)
Delta, B.C.

Cost

\$150 before Sept. 20
\$175 on, or after Sept. 21
(please add 5% GST)
Payment to be received no
later than Sept. 30, 2009

Payment

In advance by VISA,
MasterCard or cheque
No refund after Sept. 30

Registration

Seating is limited
Last day for registration:
Sept. 30, 2009

Completely fill out
registration form, then e-
mail to [dfunk@euroline-
windows.com](mailto:dfunk@euroline-windows.com), fax to **604-
940-8486**, attention
Danielle, or mail copy to
EuroLine Windows Inc.
7620 MacDonald Road
Delta, B.C. V4G 1N2



GRAHAM FINCH
Dipl.T., MASc – RDH Building Engineering Ltd.

Graham Finch is a Building Science Research Engineer with RDH Building Engineering Ltd. in Vancouver BC. He holds a masters degree specializing in building science from the University of Waterloo and is actively involved with numerous research projects at RDH. Graham has several years experience as an engineering consultant on building enclosure issues across North America. This work has included new construction design, hydrothermal modeling, forensic investigation, whole building monitoring and several industry research studies. Several of these projects have involved the forensic investigation of window and IGU failures, design and testing, and research into improving the thermal efficiency of windows.

Graham's current research interests focus on improving the energy efficiency of buildings (particularly multi-unit high-rise residential and commercial buildings) through the building enclosure, particularly through windows. Several case studies have demonstrated that using high-efficiency windows drastically improves the thermal performance of the whole building enclosure - significantly reducing building energy consumption.

Topic: *The Importance of High Performance Windows for Energy Efficient Buildings and ASHRAE 90.1 Compliance*

Presenter: *Graham Finch*

Summary:

- *Importance of high performance windows, focusing on thermal considerations and compliance with ASHRAE 90.1 building envelope requirements.*
- *A simplified analysis procedure, highlighting the essential contribution of the windows to the overall thermal performance of the building enclosure.*
- *Case studies to show that, by using high thermal performance window frames (such as vinyl and fiberglass), overall thermal performance for the enclosure will improve significantly – allowing designers the flexibility to maximize window area while exceeding ASHRAE 90.1 compliance requirements, and attaining useful LEED points.*
- *Questions and answers*

ERIK KAYE

Erik Kaye is the Acting Manager, Energy Efficiency Policy, with the Ministry of Energy, Mines, and Petroleum Resources. Erik has coordinated two submissions of proposed amendments to Energy Efficiency Act regulations to Cabinet and is developing a compliance and enforcement strategy for regulated products under the Act. He led the development and design of the LiveSmartBC: Efficiency Incentive Program and managed the Community Action and Energy and Emissions program for the Ministry.

Erik Kaye has worked in the sustainability field with the BC government for the last 12 years. He was Communications Advisor to the Green Economy Secretariat from 1999-2001 and worked on the launch of Green Buildings BC and the 2000 Climate Change Business Plan.

He worked as Assistant Communications Director with the Ministry of Sustainable Resources and Management and served as Acting Communications Director with the Forest Practices Board. In the community, Erik is a representative on the Community Liaison Committee for the Victoria Regional Rapid Transit Project and is a board member of the Fernwood Community Association. He lives in Victoria with his wife and 3-year old son.



DAVID BRUCE



David Bruce is a professional engineer in BC and is currently working under contract to the Ministry of Energy, Mines and Petroleum Resources. He is acting on behalf of the Ministry as Energy Efficiency Compliance Enhancement Coordinator. In this roll, he will liaise with the window, door and skylight sectors to ensure understanding and compliance to the Energy Efficiency Regulations.

David has been an active member of the WDMA-BC (Window and Door Manufacturers Association BC), as Chair of the Technical Committee, Board member for 8 years and President of the Board. He was previously assigned by the Ministry from 2005-2007 to build capacity of manufacturers to test, certify and list products on ENERGY STAR. Earlier, David was employed by EuroLine Windows to assist in the development of window and door systems, and planning of the manufacturing facility at EuroLine.

Topic: *Energy Regulations in B.C.*

Presenter: *Erik Kaye & David Bruce*

Summary:

- *Background of the B.C. Energy Efficiency Act (scope, relationship to BC Building Code and Federal Energy Efficiency Act, powers to regulate efficiency standards for products and appliances)*
- *Market transformation and the Energy Efficiency Act*
- *Recent amendments to the Energy Efficiency Standards Regulation*
- *Compliance and enforcement strategy*
- *Detailed review of windows, doors and skylights regulation*
- *Requirements by class of buildings*
- *Exemptions and special cases*
- *Update on wooden doors*
- *Question and answers*

DR. PATRICK MOORE, Ph.D.

Dr. Patrick Moore has been a leader in the international environmental field for over 30 years. He is a co-founder of Greenpeace and served for nine years as President of Greenpeace Canada and seven years as a Director of Greenpeace International. As the leader of many campaigns Dr. Moore was a driving force shaping policy and direction while Greenpeace became the world's largest environmental activist organization.



In recent years, Dr. Moore has been focused on the promotion of sustainability and consensus building among competing concerns. He was a member of British Columbia government-appointed Round Table on the Environment and Economy from 1990 - 1994. In 1990, Dr. Moore founded and chaired the BC Carbon Project, a group that worked to develop a common understanding of climate change.

Dr. Moore served for four years as Vice President, Environment for Waterfurnace International, a manufacturer of geothermal heat pumps for residential heating and cooling with renewable earth energy. He is now a Director of NextEnergy Solutions, the largest distributor of geothermal systems in Canada.

As Chair of the Sustainable Forestry Committee of the Forest Alliance of BC from 1991 - 2002, he led the process of developing the "Principles of Sustainable Forestry" which were adopted by a majority of the industry.

In 2000, Dr. Moore published *Green Spirit - Trees are the Answer*, a photo-book that provides a new insight into how forests work and how they can play a powerful role in solving many of our current environmental problems.

Dr. Moore currently serves as Chair and Chief Scientist of Greenspirit Strategies, a consultancy focusing on environmental policy and communications in forestry, agriculture, fisheries and aquaculture, mining, biodiversity, energy and climate change.

Topic: *Environmental Challenges*

Presenter: *Dr. Patrick Moore, Ph.D.*

Summary:

- *What do we mean when we say "green" buildings*
- *Sustainability and environment*
- *Problem or solution? PVC's role in sustainable building solutions*
- *Questions and answers*



STEFAN KULIG
Economist, Bachelor of Business Administration

Stefan Kulig is an economist with a diploma in Business Administration. Currently, Stefan is an independent consultant assisting window manufacturers in Central and North America as well as Europe in setting up production facilities and product marketing.

Stefan worked for REHAU AG (a global player in the fenestration business), system provider for the Polytec 50 Curtain Wall System and the Series 4600 tilt & turn Window System, for eight years and in various positions and capacities.

The last two years with REHAU, Stefan was the head of the corporate Curtain Wall Management Team, traveling the globe performing market analysis, developing and implementing marketing concepts, developing product & price strategies and process management, training and supporting sales managers and key customers.

Before his work with REHAU, Stefan was involved in marketing and selling exterior shading components like rollshutters and louvers.

- Topic:** *A new Design Approach to Fenestration Products in Commercial Buildings*
Presenter: *Stefan Kulig*
Summary:
- *Hybrid curtain wall technology for commercial applications*
 - *Benefits of a hybrid curtain wall (structural, thermal, sound, aesthetics)*
 - *Tilt & turn window systems in storefront applications*
 - *Reference projects*
 - *Questions and answers*

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Registration Form

Company: _____

Address: _____

Phone: _____

I'm a(n) Architect Developer Contractor

Attendee 1: _____ AIBC #: _____

E-mail: _____

Attendee 2: _____ AIBC #: _____

E-mail: _____

Attendee 3: _____ AIBC #: _____

E-mail: _____

Total Attending: _____ Amount + GST _____

Cheque enclosed (payable to EuroLine Windows Inc.)
Please charge my VISA MasterCard

Name on Card: _____

Card Number: _____

Expiry Date: _____

Signature: _____

Date

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Completely fill out
registration form, then e-
mail to [dfunk@euroline-
windows.com](mailto:dfunk@euroline-windows.com), fax to **604-
940-8486**, attention
Danielle, or mail copy to
EuroLine Windows Inc.
7620 MacDonald Road
Delta, B.C. V4G 1N2