Tuesday, March 1st and Wednesday, March 2nd 2011  |  Hilton Garden Inn Toronto Airport

Passive Homes  |  Sustainability ROI  |  Improve Beyond LEED  |  Building Automation
Retrofit Innovations  |  Achieve Greater Payback  |  Carbon Neutral Opportunities

High Performance
Sustainable
BUILDINGS

www.greenbuildingsummit.ca

Hear from these featured speakers:

Ole Hammarlund,
Partner,
Bergmark Guimond
Hammarlund Jones Architects

Albert Wimmer,
Partner,
Atelier: Albert Wimmer (Vienna, Austria)

Leslie Ventsch,
Director of Design,
Adrian Smith + Gordon Gill Architecture

Nabih Tahan,
Architect,
Bau Technologies

LEARN from 7 worldwide case studies:

1. Vienna, Austria
2. San Francisco, CA
3. Toronto, ON
4. Bathurst, NB
5. Prince Edward Island
6. Natural Resources Canada
7. Abu Dhabi, UAE

TAKE AWAY practical and innovative solutions to your challenges. Learn how to:

1. EXECUTE passive home designs
2. INCREASE sustainability in architecture
3. RETROFIT single-family homes
4. GREEN older high-rises
5. IMPROVE indoor air quality
6. CREATE affordable carbon neutral homes
7. DEBATE where to put your energy
8. ANALYZE large and small scale new builds

ARCHITECTS: Earn OAA Credits

SAVE money and the environment
It’s time to move beyond LEED
Learn from 8 worldwide case studies

Gain Innovative Solutions to Improve Your Sustainable Building Strategies Through Interaction With Peers and Experts

If you are involved in any aspect of construction or building design, you can’t afford to miss this prestigious forum. Take advantage of this unique opportunity to network and explore innovative ideas and proven solutions presented by experts with the practical experience YOU want to hear. You will take away the latest strategies to improve YOUR building’s energy efficiency and reduce your carbon footprint – all while reaping higher profits!

Register now!

HEAR from these leaders:

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2. San Francisco, CA
3. Toronto, ON
4. Bathurst, NB
5. Prince Edward Island
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Save money and the planet with world-class designs.

The key to reducing your city’s carbon emissions begins with creating more energy efficient buildings.

This prestigious summit will arm you with practical and implementable solutions from some of the most knowledgeable thought leaders, architects and engineers from around the world.

Register Today – Space Is Limited and Sure To Sell Out
Don’t miss your chance to participate in these critical discussions and to network with key leaders in sustainable design. Register for our limited spaces by calling 1-866-453-3345 ext. 228 or emailing lynda@strategyinstitute.com today.
Who Should Attend:

Architects
Principal | Partner | Associate

- **Create real sustainable architecture**: develop new strategies for lowering building emissions
- **Gain an international perspective**: analyze how other cities and countries are building sustainable architecture
- **Earn 12 CORE Learning Hours**: accredited by the OAA

Public & Private Building Owners (Existing)
President | Chief Technology Officer | VPs and Directors of Operations, Real Estate, Marketing, Leasing and Green Initiatives

- **Craft world-class designs**: analyze innovations in design that generate higher energy savings
- **Achieve dramatic ROI on retrofits**: save money and energy
- **Source new funding options**: hear how Federal Government initiatives can help green your buildings

Public & Private Building Developers (New Build)
President | Chief Technology Officer | VPs and Directors of Development, Green Initiatives, Operations, Marketing and Design

- **Passive house design**: demonstrate your leadership in energy efficiency
- **Understand what is possible**: hear how international developers are producing leading edge sustainable architecture
- **Building automation systems**: their value and return on your investment

Federal, Provincial & Municipal Governments
Mayors | Councillors | City Managers | Directors of Planning, Green Initiatives, Real Estate | Policy Analysts | Policy Development

- **Forge partnerships**: network with key global thought leaders
- **Gain important insight**: how others are pushing sustainable buildings

Suppliers and Consultants
VP Business Development, Sales Directors and Managers

- **Improve multilevel collaboration**: partner with all stakeholders to enhance green development
- **Stimulate bold opportunities**: discover how others have made dramatic environmental improvements
- **Network with key leaders**: meet thought leaders from around the world and win new business

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Ensure Your Leadership with a Customized Sponsorship/Exhibit Package

By sponsoring this one-of-a-kind event, you can showcase your company as an industry LEADER. Ensure your presence is known. Select sponsorship packages are still available. To learn more, contact Stephen Bernhut at 1-866-298-9343 x 240, or email stephen@strategyinstitute.com.

ABOUT THIS CONFERENCE

THE INTERNATIONAL HIGH PERFORMANCE AND SUSTAINABLE BUILDINGS SUMMIT is our third, in a series of annual events designed to help building owners and designers improve the environmental sustainability of their projects. It brings peers together to share challenges and successes, and to give building owners and designers in Canada a clearer vision of how they can make their communities a better place to live.

Attend for FREE!

Send 3 delegates and the 4th delegate attends for FREE!
DAY ONE
Tuesday, March 1st 2011

7:30 AM
Registration Opens and Continental Breakfast

8:15 AM
Opening Remarks from the Chair
Wayne Proulx,
President,
e3 Sustainable World Solutions

8:30 AM OPENING ADDRESS
PASSIVE HOMES CASE STUDY: EUROGATE, VIENNA, AUSTRIA
How to design better green community housing through passive homes
Vienna has been building greener, energy efficient homes for many years, but now they are engaging in producing the largest passive building housing development in Europe. Eurogate will consist of 1,800 flats over 20 hectares.
• Understand how the neighbourhood was conceived
• Learn what design features are included, and how they were executed
• Determine how similar projects can be produced in your community
Gain a better understanding of how large-scale passive homes can be built in your community.
Albert Wimmer,
Partner,
atelier: albert Wimmer (vienna, austria)

9:15 AM KEYNOTE ADDRESS
Developing sustainability in Canadian architecture: past, present and future sustainable designs
Ole Hammarlund has been involved in sustainable design since Pierre Trudeau opened the PEI Ark in 1976. Ole will show how this early bioshelter still has relevance in the design of today’s passive, LEED certified, and net zero energy houses.
• Place Canadian sustainable construction in a historical context
• Understand what was special about the Ark and its relevance for today’s buildings
Glean new lessons on how future buildings can learn from the past.
Ole Hammarlund,
Consultant,
Bergmark Guimond Hammarlund Jones Architects

10:00 AM
Networking Break
Interact with conference speakers and fellow delegates.

10:30 AM
The ROI on sustainability and intelligent building technology in architecture: how builders and owners bank the rewards
Building sustainably and incorporating intelligent building technologies just makes sense. It also makes financial sense. Although the upfront costs may be higher, so is the ROI.
• What costs can be recovered fastest?
• Where do you get the most bang for your buck?
• What are the pitfalls to avoid in presenting the business case?
Create an action plan for how you can build sustainably with the latest intelligent building technologies.
Ted Maulicci,
Chief Information Officer,
Tridel

11:15 AM CASE STUDY: PASSIVE HOUSE RETROFIT
How to retrofit a leaky bungalow into a passive house
After witnessing the passive home revolution in Europe, architect Nabih Tahan has taken on a project that holds promise for single-family homes in North America. Taking the ubiquitous bungalow, he has transformed a traditional home into an energy efficient passive home.
• Understand what the major challenges are when undertaking such a project
• Determine how to execute a project of this nature
• Assess the completed project, and what it could mean for suburban developments
Learn how single-family homes can be retrofitted into passive homes.
Nabih Tahan,
Architect,
Bau Technologies

12:00 PM
Exhibition Area – Networking Luncheon
Join the conference speakers and your peers for a relaxing luncheon.
1:30 PM  **CARBON NEUTRAL CASE STUDY: ECO PLUS HOUSE, BATHURST, NB**

How to achieve affordable carbon neutral mass-produced single-family homes

Increasingly, people are looking to constructing and living in carbon neutral buildings. This is good news for the environment, as this presents an opportunity to make the biggest change in combating global warming.

- Evaluate where the biggest savings can be realized
- Determine how design and technology together can make big impacts in lowering emissions
- Understand technologies, and how best to employ it, plays an important role

Learn how to achieve an affordable carbon neutral building in your next project more easily.

Scott Tidd,
Project Manager,
Tight Line Productions

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2:15 PM  **CASE STUDY: EARTH RANGERS**

Beyond LEED: How actual operations can reduce impact, surpassing design targets

When the Earth Rangers Centre was built to the LEED Gold standard, it was only a jumping off point. With energy efficiency well beyond Gold, and net zero as another short-term goal, find out how everyday operations are not only meeting LEED standards, they are actually exceeding them.

- Discover how much operational awareness impacts beyond construction and design
- Understand how environmentally responsible choices are helping to surpass LEED standards
- Assess how future initiatives will create even greater success

Gain a greater understanding of how daily operations can reduce impact beyond scorecards

Andy Schonberger,
Director,
Earth Rangers Centre

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3:00 PM  **Networking Break**

Interact with conference speakers and fellow delegates.

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3:30 PM  **How to improve indoor air quality in LEED buildings**

How the prevailing perception holds that green buildings are healthier buildings. However, that may not be necessarily true. Because they are extraordinarily airtight, gases emitted from materials are more likely to remain within the rooms, building up potentially toxic chemicals.

- Assess how much of a problem IAQ can be in LEED buildings
- Understand how human health is affected by LEED standards
- Determine what solutions are available to mitigate adverse IAQ

Be aware of how LEED buildings can lead to adverse affects in IAQ.

John Wargo,
Professor of Environmental Policy, Risk Analysis, and Political Science,
Yale School of Forestry and Environmental Studies

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4:15 PM  **PEER-TO-PEER NETWORKING SESSION**

Audience feedback, brainstorming, best practices, and group discussion: How can we meet the challenges of increasing energy efficient buildings?

Two questions to be addressed include:

1. What is the most cost effective way to decrease energy use?
2. Where has the greatest return on investment been seen?

One person from each table will be nominated to share their findings from their table group. A moderated exchange will highlight your challenges and present practical solutions from your peers.

Learn valuable insights from your peers.

5:00 PM  **Conference adjourns to Day Two**

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5:15 PM  **Evening Social Activities**

Network with industry leaders and stakeholders while enjoying some of the best Toronto has to offer. Start by joining fellow delegates and speakers for complimentary appetizers in the hotel lounge.

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7:30 AM
Registration Opens and Continental Breakfast

8:15 AM
Opening Remarks from the Chair

8:30 AM RESEARCH UPDATE
Climate change and an uncertain energy future: what can the building industry do?
With so much of our carbon footprint tied up in buildings, it is imperative to make major changes in our building designs. Key questions addressed here include:
• How much time do we have based on the latest research?
• What savings in energy use are possible through better building design?
Gain a perspective of the reach of climate change: and how building design can affect its deceleration.

Danny Harvey,
Professor of Geography,
University of Toronto

9:15 AM CASE STUDY: PASSIVE HOUSES IN CANADA
Meeting the needs of Canadians with urban passive houses
The perception is that Canada’s climate is not ideal for passive houses; but that is not true, and there are some very good examples of passive house successes here.
• Assess the successes and challenges for passive buildings in Canada
• View case studies that meet the passive house standard from various climates
• Create a strategy for expanding the use of passive buildings in Canada

Hear how passive buildings are being constructed in Canada.
Malcolm Isaacs,
Passive House Canada

10:00 AM
Networking Break
Interact with conference speakers and fellow delegates.

10:30 AM CASE STUDY: CITY OF TORONTO – LARGE-SCALE RETROFIT
Greening Toronto’s towers and what it means for the city’s environmental footprint – and energy use
The City of Toronto has embarked on a major retrofit project to turn aging concrete apartments into more efficient, greener residences.
• What changes are being made to the building envelope?
• How are BAS being implemented?
• What has been the success so far and what can others learn?
Learn how effective green retrofits can be when effectively implemented.

Eleanor McAteer,
Project Director,
Tower Renewal, City of Toronto

11:15 AM
Federal Government initiatives and programs in energy efficiency: tools and services available to save you energy and money
Greening your current group of buildings not only substantially decreases operational costs, but it also greatly decreases carbon emissions. To encourage and support this admirable goal, there are programs available to assist you. This session will discuss:
• How the Government of Canada is working to increase energy efficiency
• What tools and services are made available to the development sector
• What initiatives are being developed for the future
Develop a strategy for how you can take advantage of government opportunities to green your buildings.

Phil Jago,
Director, Buildings Division,
Natural Resources Canada

12:00 PM
Exhibition Area – Networking Luncheon
Join the conference speakers and your peers for a relaxing luncheon.

Strategy Institute is proud to be a facilitator of information sharing for the public sector for over 15 years. We strive to strengthen the foundation of Canada’s economy through annual conferences such as “Sustainable Suburbs,” “Smart Transportation,” “The Future of Canada’s Infrastructure,” “Municipal Wireless Summit,” “CANBuild (Brownfields),” “Urban Transportation Summit,” and many more. Our higher purpose is to provide industry leaders with the knowledge and tools they need to ensure a higher standard of life for all Canadians.
DAY TWO  Wednesday, March 2\textsuperscript{nd} 2011

1:30 PM  ENERGY POSITIVE CASE STUDY: MASDAR HQ, ABU DHABI
Improving performance to achieve energy positive buildings

Masdar will be the world’s first large-scale positive energy building, and will be part of the zero-carbon, zero-waste Masdar city in Abu Dhabi. The HQ will incorporate many systems designed to create a surplus of energy and eliminate waste.

- Assess the integrated approach combining form and technology
- Discuss how energy generation technologies will be applied
- Analyze the innovative features that give the building its signature look

Gain an in depth understanding of how the Masdar HQ will be a positive energy building

**Leslie Ventsch, Director of Design, Adrian Smith + Gordon Gill Architecture**

2:15 PM  Net zero, energy plus, LEED, and passive: Where should we put our money and energy?

Improving energy efficiency in our buildings is important in mitigating the effects of climate change. There are good arguments for net zero, energy plus, LEED, and passive, but what is best for builders? Join in the debate as we discuss the merits of all these options under various conditions.

- Is it better to use little energy, or add energy to the grid?
- What are the merits of each, and when should builders employ each strategy?
- Determine which solutions would have the longest lasting benefit

Discuss the merits of various green and high performance buildings

**Danny Harvey, Professor of Geography, University of Toronto**

**Wayne Proulx, President, e3 Sustainable World Solutions**

4:15 PM  Conference Adjourns

3:00 PM  Networking Break
Interact with conference speakers and fellow delegates.

3:30 PM  How to combat acoustical issues with LEED buildings

When acoustics are taken into account, LEED buildings actually score lower in satisfaction than traditional buildings. In large part, this is a function of design: open concept with big windows and hard surfaces that allow sound to ricochet around the office.

- How should LEED respond to acoustical criticisms?
- If credits are available how should they be measured?
- What can be done to ensure occupant satisfaction

Create an action plan for mitigating acoustical complaints.

**Hilton Garden Inn Toronto Airport**

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www.torontoairport.hgi.com

The Hilton Garden Inn Toronto Airport is proud to be Canada’s first LEED certified hotel. This new hotel was built Green from the ground up and is conveniently located within five minutes of Toronto’s Pearson International Airport (YYZ), with complimentary airport shuttle service, and easily accessible from the major highways of #401, #427, #407 and #409.

The Hilton Garden Inn Toronto Airport hotel offers a 24-hour Business Centre, complimentary high-speed internet-Stay Connected, indoor covered parking, indoor pool and whirlpool. Bring your spouse and take a mini-vacation.

**Book now!** Contact the hotel and mention “Green Building Summit” to receive our conference rate of $140/night until February 6\textsuperscript{th} 2011.

www.greenbuildingsummit.ca
Please register this person for: 3rd International Summit on High Performance and Sustainable Buildings Summit

CONFERENCE INVESTMENT

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<th>Licensed Architects, Landscape Architects, Urban Planners</th>
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<th>Government &amp; NGO Investment</th>
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CONTACT DETAILS

DELEGATE NAME: ____________________ TITLE: ____________________
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CARD NUMBER: ____________________ EXPIRATION DATE: ____________________
SIGNATURE: ____________________

* Evening Social Activities: You are responsible for your own beverage consumption costs.

Conference Code: 111005

HOW TO REGISTER

Phone: 1-866-453-3345 ext. 228
E-Mail: lynda@strategyinstitute.com
On-line: www.greenbuildingsummit.ca
Mail: Strategy Institute
401 Richmond St. West, Suite 401
Toronto, Ontario MSV 3A8
Attn: Lynda Lucas

Regular investment: $ 1,495.00 (plus 13% HST)
This rate applies to businesses, design-build firms, industry consultants, engineers, and advisors or industry associations involved in consulting, engineering, construction, demolition, suppliers, or other related business in the area of construction. Strategy Institute reviews all registrations and reserves the right to determine special pricing privileges.

Government & NGO Investment: $995.00 (plus 13% HST)
Those groups eligible for this rate include employees of municipalities, local government authorities, provincial and federal elected officials, civil servants, and non-governmental organizations (NGOs who are registered non-profits and do not function as an industry association. The NGO must be actively working toward establishing policies or developing urban environments, waterfronts, or public spaces for the betterment of all citizens.)

Developers/ Building Owners: $995.00 (plus HST)
This special rate applies to public and private building owners, and developers with interest in sustainable development, design and management of buildings.

Licensed Architects, Landscape Architects, Urban Planners: $795.00 (plus 13% HST)
This rate applies only to Licensed Architects, Landscape Architects, and Urban Planners in good standing. To qualify for this rate, their firm must not be diversified. Additionally, it must devote 100% of its time to urban planning and/or architectural design.

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CANCELLATIONS: Cancellations must be received in writing by February 15, 2011. Cancellations received by this date will be eligible for a prompt refund less a $495.00 administration fee. If you register for the program and do not attend, you are liable for the full registration fee unless you cancel according to the terms stated above. If you are unable to attend, delegate substitution is permitted up to, and including, the day of the conference.

Disclaimer: Strategy Institute reserves the right to change or adjust the agenda without notice.

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