New Codes, Better Buildings

PROGRAM GUIDE

October 11-12, 2012

www.sbcanada.org/gbfestival
Act Natural.

Reawake. Rethink. Reapply.

Urban Retreat™ can help you create the serenity of the natural world around any corner.

*Shown: UR101™ in colour, UR102 in colour, and UR103™ in colour. All in 100% recycled yarn.*
The Green Building Festival – A Brief History of Time Well-Spent

Since its inception in 2005, the Festival has featured both the finest examples of and the leading practitioners within the green building movement. With a blend of national and international speakers, the Festival has always been Canada’s leading technical conference for the design, construction, and operation of sustainable buildings and communities.

Each year, our Planning Committee selects Festival speakers and featured projects according to an overarching theme. These themes are intended to be part of a “continuum of sustainability”–building each year towards bigger ideas and a larger scope. For 2012, our theme acknowledges the inter-connection between building codes and building performance.

While we have always focused on the leading-edge with respect to building performance, it is important that we also recognize that recent changes to Building Codes at both the national and provincial levels represent significant advancements in regulatory instruments intended to improve building performance. As part of the delivery of three distinct streams of programming, attendees will be able to learn about how buildings and communities can meet and exceed the latest Code requirements.

We are excited to have Enbridge Gas Distribution as the 2012 Green Building Festival’s main sponsor. Enbridge has worked closely with Sustainable Buildings Canada on a number of initiatives over the years including Savings By Design and many of our popular Design Charettes.

This year, our keynote speakers are two highly influential green building experts from the United States. Jason McLennan, CEO of the International Living Future Institute, will open the Festival with an inspiring address on the Living Building Challenge. And, sponsored by Interface, Ed Mazria, Founder & CEO of Architecture 2030, will join us to discuss The Next Built Environment, Today.

We are also pleased to have Mr. Frank Deluca, of DCL Equity Partners as our Festival Chair. As a boutique investor in green buildings, Frank is a huge supporter of the green buildings movement, who also has a practical understanding of the real world realities of designing and building state of the art green facilities. His most recent project, a health care facility in Stouffville, Ontario, will be the first of its kind in Canada to achieve a LEED Gold (or better) rating while dramatically lowering its energy use and carbon footprint.

One of the activities we are most proud of with the Festival is the annual recognition of individuals as part of SBC’s Lifetime Achievement Awards. As usual, we have three individuals who are being recognized this year for their extraordinary work in the sustainable buildings sector. The awards will be presented at the Cocktail Reception on Thursday, October 11th immediately following the plenary sessions.

I am very pleased that you have joined us this year at the 2012 Green Building Festival. We have an exciting program of plenary speakers, focused workshops, and full day training courses. It promises to be a great event.

Sincerely,

Mike Singleton
Executive Director
Sustainable Buildings Canada

www.sbc canada.org/gbfestival
With a commitment to green and sustainable design, through profiles pultruded exclusively in green and recycled material, INLINE is fully positioned to support green building projects and LEED eligibility.

Call us to discuss your next project.
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<th>Time</th>
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<td>Registration &amp; Coffee</td>
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<td>8:30 – 8:45</td>
<td>Festival Opening Remarks</td>
<td>Festival Chair Frank Deluca, CEO, DCL Group</td>
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<td>Master of Ceremonies Larry Brydon, Senior Account Executive, Reliance Home Comfort &amp; Chairman, Sustainable Buildings Canada</td>
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<tr>
<td>8:45 – 9:50</td>
<td>Living Building Challenge</td>
<td>Sponsored by Enbridge</td>
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<td></td>
<td>Introduction Mary Harinck, Energy Advisor, New Commercial Construction, Enbridge Gas Distribution</td>
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<td>KEYNOTE SPEAKER Jason F. McLennan, CEO, International Living Future Institute</td>
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<tr>
<td>9:50 – 10:30</td>
<td>Vision for a Green Toronto</td>
<td>GUEST SPEAKER Jennifer Keesmaat, Chief Planner, City of Toronto</td>
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<td>10:30 – 10:45</td>
<td>Coffee Break</td>
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<td>10:45 – 12:00</td>
<td>Low-Impact Development Regulations</td>
<td>Low-Impact Development Regulations Moderator Glenn MacMillan, Senior Manager Water &amp; Energy, Toronto &amp; Region Conservation Authority (TRCA) Panellists Sameer Dhalla, Manager Water Resources, Toronto &amp; Region Conservation Authority (TRCA) — Stormwater Management Criteria Mark Schollen, Principal, Schollen &amp; Company — LID Case Study Examples Michael Pozzebon, Metrus Developments — LID from the Developer Perspective Muneef Ahmad, City of Mississauga — IMBYism: LID from the Municipal Perspective</td>
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<td>12:00 – 1:00</td>
<td>Networking Lunch</td>
<td>Sponsored by DIALOG</td>
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<td>Coffee Break</td>
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<td>2:45 – 3:40</td>
<td>Creative Empathy</td>
<td>Creative Empathy GUEST SPEAKER Mario Cucinella, Founder, Mario Cucinella Architects</td>
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<td>3:40 – 4:45</td>
<td>The Next Built Environment, Today</td>
<td>The Next Built Environment, Today Introduction Nadine Gudz, Director Sustainability Strategy, Interface KEYNOTE SPEAKER Edward Mazria, Founder &amp; CEO, Architecture 2030</td>
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<tr>
<td>4:45 – 5:00</td>
<td>DAY 1 Closing Remarks &amp; Day 2 Highlights</td>
<td>DAY 1 Closing Remarks &amp; Day 2 Highlights Festival Chair Frank Deluca, CEO, DCL Group Festival Programming Director Tom Ponessa, MArch, Board Member &amp; Director of Programs, Sustainable Buildings Canada</td>
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<td>5:00 – 7:00</td>
<td>Cocktail Reception</td>
<td>Cocktail Reception Sustainable Buildings Canada’s Lifetime Achievement Awards Presenter Bob Bach, Senior Associate, Energy Profiles Ltd. &amp; Board Member and Treasurer, Sustainable Buildings Canada</td>
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www.sbc canada.org/gbfestival
# DAY 2: Friday, October 12, 2012 – Stream 1

## 8:00 – 8:30
Registration & Coffee

## 8:30 – 9:30
**STREAM 1: Achieving Building Performance**

**Achieving Codes & Standards**
Moderated by **Bob Bach**

- **Bob Bach**, Senior Associate, Energy Profiles Ltd. & Board Member and Treasurer, Sustainable Buildings Canada — *Recent Code Changes & Developments*
- **Lisa King**, Senior Planner, City Planning Division, City of Toronto — *Toronto Green Standard*
- **Pauline Lip**, Program Director, EnerQuality Corporation — *ENERGY STAR As Part 9 Code Compliance*

## 9:30 – 11:00
**Archetype Condo Project – Exceeding Code Compliance**

Introduction **Anna Palamarchuk**, Project Manager – Environment & Innovation, Waterfront Toronto

Moderated by **John W. Janzen**, AEC Technical Specialist, Americas, Autodesk Canada

- **Adam Barker**, Sustainability Project Manager, Provident Energy Management Inc.
- **Lyle Scott**, Principal, Footprint
- **Ian Stahlbrand**, Project Engineering, Internat Energy Solutions Canada
- **Brian Tysoe**, National Manager Energy Modelling & Building Simulation Services, MCW Consultants Ltd.
- **Michelle Xuereb**, Associate & Sustainability Strategist, Quadrangle Architects

## 11:00 – 11:15
Coffee Break

## 11:15 – 12:15
**Innovative Technology Solutions: Envelope & Glazing Options**

Moderated by **Dayle Laing**, Inline Fiberglass Ltd.

- **Scott Armstrong**, Manager Building Science & Sustainability, MMM Group — *Achieving SB-10 Envelope U-Values*
- **John Carpenter**, President & Owner, Clearstream Architectural Products Ltd. — *Future Technologies in Glass*

## 12:15 – 1:15
**Networking Lunch**

Introduction **Ken Feinstein**, Manager Business Development & Marketing, BRE Canada

## 1:15 – 2:15
**Innovative Technology Solutions: Mechanical System Options**

Moderated by **Mark Salerno**

- **Subhi Alsayed**, Innovation Manager, Tridel / Towerlabs @ MaRS — *In-Suite Ventilation in High-Rise MURB*
- **Mike Godawa**, Partner, Integral Group — *Finding the Right Solutions for the Client & Project*
- **Mark Salerno**, Corporate Representative & Member, National Management Team, Canada Mortgage & Housing Corporation (CMHC) — *Effective Ventilation in Multi-Unit Residential Buildings*

## 2:15 – 2:30
Coffee Break

## 2:30 – 3:45
**Case Studies: Why Go High Performance?**

Moderated by **Mike Singleton**, Principal, SeeLine Group Ltd. & Executive Director, Sustainable Buildings Canada

- **Ed Lohrenz**, GeoXergy — *Low-Rise District GeoExchange Systems*
- **Vince Molinaro**, President, Molinaro Group — *GSHP Hi-Rise Geo Condo Project*
- **Dave De Sylva**, Owner, DellRidge Homes Inc. & GreenLife Energy Inc. — *Net-Zero Mid-Rise: Why Developers Select Geo & Solar*

## 4:00 – 4:30
**Tour of Evergreen Brick Works**

**Mike Godawa**, Partner, Integral Group

Mike is the mechanical engineer-of-record and will provide his insights on the creation of this wonderful new facility. He will take delegates through many of the renovated building, explaining the unique features in each.
### STREAM 2: Low-Impact Development

**Sponsored by**
- CMHC
- SCHL
- Communities and Regions Conservation for the Living City

**Interactive Training Session: LID Technical Training Workshop**
- **Instructor:** Chris Denich, Manager of Stormwater Management and Green Infrastructure, Aquafor Beech Ltd.
- **Introduction:** A Review of Stormwater Fundamentals
  - Hydrologic Cycle
  - Water Balance Fundamentals

**LID Planning**
- **Introduction to LID Techniques**
- **Resources & Completed Studies**
- **Basic Principles of Integrated Landscaped-Based Stormwater Management**

**LID Design**
- **Team Requirements**
- **Site Information Requirements**
- **Project Drivers, Timing, Opportunities & Constraints**
- **Design of Permeable Pavement, Bioretention/ Bioswales, Soakaways & Rainwater Harvesting Systems**

**Networking Lunch**
- **Introduction:** Ken Feinstein, Manager Business Development & Marketing, BRE Canada

### STREAM 3: People & Buildings

**Sponsored by**
- Goodman Air Conditioning & Heating

**Sustainable Behaviour: How to get the right decision – The one everybody wants**
- **Moderated by Chris Jalkotzy**
  - Luigi Ferrara, Director School of Design & Institute Without Boundaries, George Brown College — Changing Through Simulation
  - Chris Jalkotzy, Sustainable Development Specialist, Planning By People — Innate Behaviour: How our physiology and genes shape our behaviour
  - Francisca Quinn, Sustainability Leader & Senior Principal, Loop Initiatives — Business Approaches: How to Integrate Sustainability
  - Hazel Sutton, Environmental Standards Manager, BOMA Canada — People & Spaces: How the brain responds to our environment

**Current “State of the Art”: Architecture, Building Controls, Occupant Cultures & Dashboards**
- **Moderated by Jiri Skopek**
  - Chris Hewett, Professor of Architectural Technology, Algonquin College — The Algonquin Centre for Construction Excellence
  - Rick Huijbregts, VP Industry & Business, Cisco Canada
  - Richard MacIntosh, Halsall Associates
  - Amir Rashid, Chief Operating Officer, Pacific Controls (Canada) Inc. — Leveraging Smart Technologies & Data Analytics to Optimize Building Systems Performance & Energy Consumption
  - Jiri Skopek, Founder, Green Globes & Board Member, Sustainable Buildings Canada

**Facilitated Workshops**
- **Groups will work together to develop State-of-the-Art and Leading-Edge pilot building operations options around the aspects of architecture, building controls, occupant cultures, and dashboards**
  - Mike Godawa, Partner, Integral Group
  - Mike is the mechanical engineer-of-record and will provide his insights on the creation of this wonderful new facility. He will take delegates through many of the renovated building, explaining the unique features in each.

**Tour of Evergreen Brick Works**
- **Mike Godawa, Partner, Integral Group**
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Canada Mortgage and Housing Corporation

CMHC is pleased to participate in the 2012 Green Building Festival

Backed by more than 65 years of experience, we work with community organizations, the private sector, non-profit agencies and at all levels of government to help create innovative solutions to today’s housing challenges, anticipate tomorrow’s needs and improve the quality of life for all Canadians.

www.cmhc.ca

FESTIVAL FRIENDS & PARTNERS

Azure Magazine
www.azuremagazine.com

Better Buildings Partnership
bbptoronto.ca

Canada Green Building Council
Greater Toronto Chapter
www.cagbctoronto.org

CanSIA
www.cansia.ca

Construction Links Media
www.constructionlinksmedia.ca

Green Building & Sustainable Strategies
gbssmag.com

Interior Designers of Canada
www.idcanada.org

Lyle Scott, Footprint
sa-footprint.com

Pacific Controls (Canada) Inc.
www.pacificcontrols.bc.ca

Partners in Project Green
www.partnersinprojectgreen.com

SAB Magazine
www.sabmagazine.com

Toronto Society of Architects
www.torontosocietyofarchitects.ca

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Artex Environmental is a Canadian company that provides ethical end-of-life electronic waste recycling services and guarantees best-in-class environmental solutions, data security, and customer service. We would be proud to host you and your colleagues at our plant for a tour and presentation.

steve.boutin@artexenvironmental.com
Innovation Parks are a model to set future performance standards for buildings to provide pull-through innovation of new design, construction, products and processes.

For more information please visit www.brecanada.com

Green architecture is not only about creating sustainable buildings and places; it is about helping to foster sustainable and vital communities.

Learn more about our Sandy Bay community initiative.
Savings by Design

Helping you maximize the energy efficiency of your new buildings.

With our comprehensive Savings by Design program, builders participate in an Enbridge Integrated Design Process (IDP). The IDP brings together experts in energy efficiency and sustainability to identify ways to maximize energy performance in your new construction buildings. In addition to covering the cost of the IDP, Enbridge also provides incentives to help you implement the IDP’s recommendations to achieve 25% or more above Ontario Building Code (2012).

To qualify for the program, your project must be a minimum of 100,000 square feet.

To learn more, call Mary Harinck at 416-753-6258 or email mary.harinck@enbridge.com