



Construct Canada Pre-Show Guide 2009



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Show



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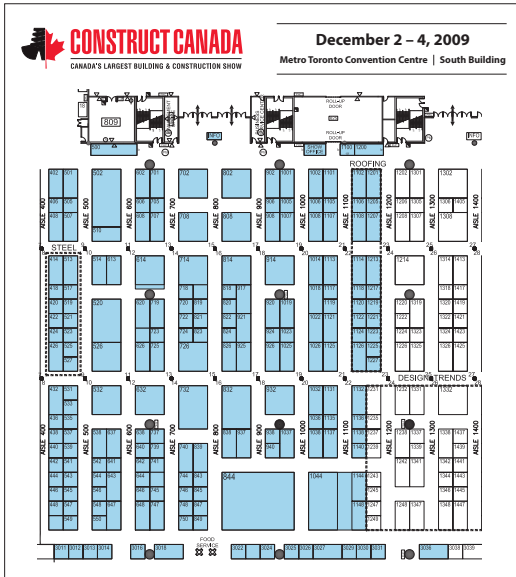
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Chairman's Message



As chairman of this year's Construct Canada, it is an honour and a pleasure to welcome you to our 21st annual show.

Construct Canada remains the largest industry show in Canada for the Construction Community, with five shows in one, combined exhibitors will be in excess of a 1,000 and attendance is expected to exceed 23,000.

Whether you come for the exhibits of Construct, Concrete Canada, Home Builder Renovator Expo, Design Trends or PM Expo, you will have the opportunity to network and exchange ideas with professionals from all aspects of one of Canada's largest industries.

In addition we have a fabulous seminar program featuring 450 speakers in 200 presentations that will provide expert advice on a variety of topics including project design, green products and solutions, personal and professional development, concrete construction and export opportunities just to name a few.

This year's theme is "It's all here!" With this combined showcase of exhibits, seminars, round table forums, new product showcases and hands on demonstrations, we promise to deliver a great event.

On behalf of our organizing committee and York Communications MMPI, the show producers, we wish to thank the exhibitors and attendees for your continued support. We again hope that this year's show will be the beginning of a "year to celebrate."

IT'S ALL HERE!

Bob Barham
Chairman
Construct Canada 2009

See Page 31 for your
Free Show Pass!



**Register and Order Seminar
Tickets Online!**

Simply go to www.constructcanada.com. Check out all the show details there, register for your free admission to the 1,100 exhibits and purchase seminar tickets — all conveniently and easily on the Internet.

A Message from the V.P. and General Manager of Reed Construction Data, Canada

Welcome to the 2009 Construct Canada Pre-Show Guide

For more than 19 years, Reed Construction Data has been a strong supporter of Construct Canada. As Canada's largest annual construction exposition, it is the best way for the Canadian construction industry to network and share information. We are glad to have this opportunity to show you a preview of what you can expect this year.

In this guide, you will find information on the people and products you'll see at this year's show. With more than 1,050 exhibitors, 450 speakers, and 200 presentations and technical demonstrations taking place over three days, it's crucial to plan in advance.

This guide includes a list of exhibitors and a map, which will help you plan your visit. Reed's staff has also collected and organized the seminar and exhibitor listings into an easy-to-search format to save you time and trouble.

This pre-show guide is one example of Reed Construction Data's expertise at collecting information from a wide variety of sources — including Construct Canada — then analyzing, organizing and presenting it in ways that make it more valuable.

In fact, the intelligence we gather at the show is continually incorporated into our products and services. For example, when Reed Construction Data heard there was a need for a wider range of project data in a user-friendly format, we decided to integrate Buildcore into the current format of SmartProject News.

Reed Construction Data also saw the need for a job board that would cater to the needs of the industry. Answering that need, we have built **MyJobSite.ca**, an online career tool, powered by *Workopolis Niche Network*, that allows employers to post opportunities and job seekers to search through positions in their field. Reed Construction Data is excited about this new industry tool.

This year, you will be able to find Reed Construction Data in two locations on the tradeshow floor. Visit us at booth #814 to find out more about our great line of data products and also visit us at booth #1135 to find out more about **MyJobSite.ca** and win great prizes. At either booth, we'd be delighted to talk to you about what we can do for you and your business.

In closing, I believe Construct Canada 2009 is shaping up to be the best show yet. I look forward to seeing you there.

Best regards,



Mark Casaletto
Vice President and General Manager
Reed Construction Data – Canada



Keynote Speakers

International Architectural Roundtable (S101) Wednesday, December 2, 8:00 – 10:00 a.m.

Radical Pragmatism: New Modes Of Architectural Practice

What is the creative drive for the evolving global practice in today's market? How are new modes of practice emerging from within traditional approaches to design, and what is the result? What are the effects of advanced research, collaboration and advocacy on the 21st-century city?

Moderator



Mason White is Assistant Professor at the Daniels Faculty of Architecture, Landscape, and Design at the University of Toronto, and has an M. Arch from Harvard Graduate School of Design. Mason co-founded Lateral Office, and is Director of InfraNet Lab, a non-profit research collective probing the spatial byproducts of contemporary resource logistics. He is the Arthur W Wheelwright Fellow from Harvard Graduate School of Design, and is Senior Editor at Archinect. He has lectured and exhibited work internationally including Canada, US, Germany, Iceland, and England. Mason previously taught at Cornell and Ohio State University.

Craig Dykers co-founded the architecture, landscape and interior design company Snøhetta in Oslo, Norway in 1989 and in New York City in 2004. He has worked with the design of several prominent cultural projects including the Alexandria Library in Egypt, the Norwegian National Opera and Ballet in Oslo, and the National September 11 Memorial Museum at the World Trade Center site in NYC. Other projects have included the Lillehammer Winter Olympics Art Museum and the Norwegian Embassy in Berlin.



Gordon Gill emphasizes a holistic approach to design in his work. The results are performance-based designs that work symbiotically with their natural surroundings. Gordon's work includes the design of civic facilities, large-scale mixed-use developments, city-wide master plans, the world's first net zero-energy skyscraper and the world's first large-scale positive energy building, the Masdar Headquarters. Gordon's work has been recognized by the American Institute of Architects, Architectural Record and has been exhibited at the Museum of Contemporary Art in Chicago.

Andrew King, Design Principal, Cannon Design Architecture Inc., has practiced and taught across Canada and in London, Berlin, Budapest, Rome, Seville, and Copenhagen. He was selected one of Canada's "design leaders" by the Globe and Mail in 2003. His practice, AKA, was awarded the Canada Council for the Arts Prix de Rome and a Canadian Architect Award of Excellence. He leads an ongoing research initiative with the Banff Centre for the Arts on the relationship between architecture and landscape.



Joshua Prince-Ramus is President of REX and Principal in Charge of all projects. Buildings currently under construction include the Dallas Center for the Performing Arts, Dee and Charles Wylie Theatre in Texas; Museum Plaza in Louisville, Kentucky; and the Istanbul headquarters for Vakko, Turkey's preeminent fashion company. Joshua was recently described as the "savior of American architecture" by Esquire magazine in its December 2008 "Genius Issue." Additionally, he has been identified as one of "The 20 Essential Young Architects" by ICON magazine in April 2008. Joshua is a member of the TED Brain Trust.

International Architectural Roundtable

Earn OAA Core Learning Credits!

Wednesday, December 2, 8:00 – 10:00 a.m.

International Interior Design Roundtable

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Thursday, December 3, 8:00 – 10:00 a.m.

Keynote Speakers

International Interior Design Roundtable (S105) Thursday, December 3, 8:00 – 10:00 a.m.

Local Influence on Global Design

The 2009 roundtable discussion will centre around the localization of multinational design: how is design evolving to incorporate regional design in a global business environment? Should there be a universal design ethos for a multinational company with worldwide offices: How can a corporate brand identity be maintained? What about resorts and hotels, restaurants, and retail operations: how extensively should regional trends and styles be integrated? Leading experts on international design will analyze this critical balance.

Samantha Sannella is the President and CEO of the Design Exchange (DX), Canada's National Design Museum. Samantha is a former professor of Interior Design at Ryerson University, practice leader for HOK Consulting Canada. She is on the advisory board at IIDEX/NeoCon and the advisory board at the Humber School of Industrial Design and the Sheridan School of Interior Design. In 2007, she was named one of the most inspirational women in Canada by the Women's Post. She was recently honoured by Ryerson University for her contribution to the community.



Moderator



Jan Jennings is Professor of Interior Design at Cornell University. Her most recent book publications are American Vernacular Buildings and Interiors, 1870-1960, co-authored with Herbert Gottfried, and Cheap and Tasteful Dwellings. Jan founded and directs the Intypes Project to identify ideal examples of historical and culturally determined practices of interior design and create a typology of contemporary practices that have not been named; generate a design-specific vocabulary; and produce a new knowledge base from practice-led research.

Stephan Jaklitsch, Stephan Jaklitsch Architects' residential and commercial projects have been widely published and exhibited and Stephan is a sought after speaker who lectures often on his work. Stephan has designed fashion showrooms and retail spaces for G-Star, Isa, Danilo Dolci, Fendi, Shelly Steffee, Marc by Marc Jacobs and Marc Jacobs Collection. Stephan was recently selected by New York Magazine as one of ten "New Designers to Watch." His work has been featured in The New York Times, Time Magazine, Zink, New York Magazine, Visual Merchandising and Store Design, The New York Times Magazine, Interior Design, GQ and more.



Christopher Murray, Principal & Global Law Firm Practice Leader, Gensler. Chris started his career at Gensler in 1979 and was appointed Principal in June of 1984. He opened the Washington DC office in 1984 and leads Gensler's professional services practice. Working on projects for over 200 law firms in 300 locations in 25 states and 15 countries, he now specializes in strategic facility planning, pre-lease services, and real estate cost benefit studies.

Heidi Painchaud, Vice President, Interior Design, B+H Architects has led and designed award winning interior design projects, providing both project leadership and design leadership in a number of market sectors. Previously based out of Los Angeles, past experience includes extensive work on large scale entertainment projects, including the Walt Disney Corporation, 20th Century Fox, ABC networks and NASA. Her current line of furniture, which includes 26 products has been in manufacture since 2000.



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Master Speakers

Wednesday, December 2

1:30 p.m. – 3:15 p.m.

Winning the War for Young Talent and Succession Planning: Recruiting, Retaining, Developing & Engaging the New Workforce (\$200)

Talented professionals are the cornerstone of any successful design, construction and real estate organization. Even in hard times, good people can be difficult to find. With baby boomers soon to start retiring and a smaller (and much more demanding) pool of available talent in Gen Y and Gen X, organizations must begin to plan for succession, develop younger talent, and create a work environment that can win the next generation. In this session, one of North America's leading voices on employee retention and generational values will bring practical ideas and insight to help your company win the talent war. You will learn the five keys to keeping young talent, best practices for mentoring upcoming talent, ways to keep talented boomers working longer, and the keys to creating a culture where talented people rarely jump ship. Dr. John Izzo will be joined by three senior executives from the industry who will share their best strategies for succession planning and developing young talent. The session promises to be hard hitting and filled with practical ideas you can use as soon as you leave the session.

Keynote Speaker and Facilitator:

Dr. John Izzo, one of North America's sought after advisors on attracting and retaining good talent and creating great workplaces.

Panel:

*David Bowden, President, Canada, Colliers International
Diane Jeffreys, National Director, Real Estate Services, KPMG LLP
Stephen Taylor, President & COO, Morguard Investments Limited*

Thursday, December 3

10:30 a.m. – 12 noon

Greening the Gardiner: Toronto's Green Ribbon is a Viable Option (\$201)



The "Green Ribbon" is a proposed 7 km long green roof for the elevated stretch of the Gardiner Expressway. It could offer a self-sustaining green space with pathways, city and lake vistas, and even enhanced development opportunities. But is it feasible? What would happen to traffic flows, what would it cost, and who's meant to pay for it? In addition to these questions, the project team will look at the structural design, engineering, and construction considerations, impact on the city, and the operation of the final structure.

David Crombie, Chair, Toronto Lands Corporation; former Mayor of the City of Toronto

*Les Klein, Founding Principal, Quadrangle Architects Limited
Janet Rosenberg, Founder & Principal, Janet Rosenberg & Associates
Ken Tanenbaum, Executive Vice President, Kilmer van Nostrand
John van Nostrand, Founding Partner, Planning Alliance*

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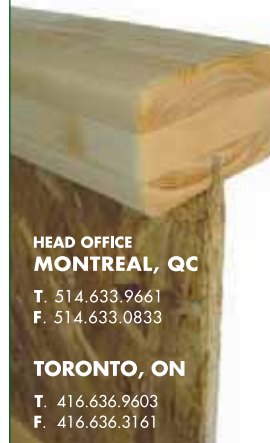
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Fax: 416-962-3668
www.ambottawa.um.dk
Booth: 440

Rubbermaid Commercial Products

2562 Stanfield Road
Mississauga, ON L4Y 135
Ph: 905-281-7463
Fax: 905-279-1054
www.rcpworksmarter.com
Booth: 1022

S

Sandell Construction Solutions

310 Wayto Road
Scheneectady, NY 12303

Ph: 518-357-9757

Fax: 518-357-9636
www.sandellmfg.com
Booth: 847

Schüco Canada

Karoliennstrasse 1-15
Bielefeld, Germany 33609
Ph: 49-521-783-7624
Fax: 49-521-783-95 7624
www.schuco.ca
Booth: 832

SFS Intec Fastening Systems

40 Innovation Drive
Dundas, ON L9H 7P3
Ph: 905-689-5267
Fax: 905-689-9474
www.sfsintec.biz
Booth: 420

Shouldice Designer Stone

RR #2, PO Box 88
Shallow Lake, ON N0H 2K0
Ph: 519-935-2771
Fax: 519-935-3219
www.shouldice.ca
Booth: 620

Sika Canada

601 Delmar Avenue
Pointe-Claire, QC H9R 4A9
Ph: 800-933-7452 x372
www.sika.ca
Booth: 1101

Sika Sarnafil

601 Delmar Avenue
Pointe-Claire, QC H9R 4A9
Ph: 800-933-7452 x372
www.sika.ca
Booth: 1102

Skyfold (Vertical Solutions Inc.)

2365 South Service Road Unit 3A
Bowmanville, ON L1C 3K3
Ph: 905-623-9300
Fax: 905-623-3043
www.skyfoldwalls.com
Booth: 824

SpandrelTech

16 Erin Park Drive
Erin, ON NOB 1T0
Ph: 519-833-9684
Fax: 519-833-0845
www.spandreltech.com
Booth: 535

Spar Marathon Roofing Supplies

3689 Weston Rd
Weston, ON M9L 1W4
Ph: 416-745-4111
Fax: 416-745-8640
www.sparmarathon.ca
Booth: 1201

Sperian

900 Douglas Pike
Smithfield, RI 02917
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Fax: 401-233-7641
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Product Showcase



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Fax: 416-423-6912
www.stmaryscement.com
Booth: 640

StaxStone
14 Melanie Drive, Unit 14
Brampton, ON L6T 4L3
Ph: 905-799-1113
Fax: 905-799-6362
www.staxstone.com
Booth: 645

Steel Tile
3487 Thomas Street
Innisfil, ON L9S 3W4
Ph: 705-436-1723
Fax: 705-436-6329
www.steeltile.com
Booth: 517

Stekar Systems
668, 5e Avenue
Beauceville, QC G0S 1A0
Ph: 418-774-2424
Fax: 418-774-2425
www.stekar.com
Booth: 549

StonCor Group
95 Sunray St.
Whitby, ON L1N 9C9
Ph: 905-430-3333
Fax: 905-430-3056
www.stoncor.com
Booth: 1014

StoneRox
PO Box 1060
Stouffville, ON L4A 8A1
Ph: 416-798-7809
Fax: 416-798-7819
www.bradstone.ca
Booth: 701

T

Techno Metal Post Engineering
8 Burnbrook Crescent
Ottawa, ON K2H 9A6
Ph: 613 262-8649
Fax: 613-262-8648
www.technometalpost.com
Booth: 550

Terrafix Geo Synthetics
178 Bethridge Rd.
Toronto, ON M9W 1N3
Ph: 416-674-0363
Fax: 416-674-1159
www.terrafixgeo.com
Booth: 406

Thames Valley Brick and Tile/Thames Valley Building Products
9 - 5115 Harvester Road
Burlington, ON L7L 0A3

Ph: 905-637-6997
Fax: 905-631-7246
www.thamesvalleybrick.com
Booth: 1006

The TRH Group
1 - 261 Millway Ave
Concord, ON L4K 4K9
Ph: 905-669-9517
Fax: 905-669-9496
www.trh-group.com
Booth: 531

Thermapan Structural Insulated Panels
1380 Commerce Pkwy,
PO Box 429
Fort Erie, ON L2A 5M2
Ph: 905-994-7399
Fax: 905-994-7400
www.thermapan.com
Booth: 921

Toronto Construction Association
70 Leek Cres
Richmond Hill, ON L4B 1H1
Ph: 416-499-4000
Fax: 416-499-8752
www.tcanetworks.com
Booth: 714

Toronto Sheet Metal Contractors Association
30 Wertheim Court
Unit 26
Richmond Hill, ON L4B 1B9
Ph: 905-886-9627
Fax: 905-886-9959
www.tsmca.org
Booth: 926

Tremco Commercial Sealants & Waterproofing
220 Wicksteed Avenue
Toronto, ON M4H 1G7
Ph: 905-564-6100
www.tremcosealants.com
Booth: 802

Trow Associates
24 Queen Street East
Suite 701
Brampton, ON L6V 1A3
Ph: 905-451-2100
Fax: 905-451-2104
www.trow.com
Booth: 1005

U

UK Trade & Investment
Suite 2800 - 777 Bay Street
Toronto, ON M5G 2G2
Ph: 416-593-1290
Fax: 416-593-1229
www.uktradeinvestcanada.org
Booth: 724

Underwriters Laboratories of Canada
7 Underwriters Road

Toronto, ON M1R 3B4
Ph: 416-757-3611
Fax: 416-757-9540
www.ulc.ca
Booth: 722

Unilock
287 Armstrong Avenue
Georgetown, ON L7G 4X6
Ph: 416-646-9000
Fax: 905-874-3034
www.unilock.com
Booth: 1008

Union Gas Limited
2801-777 Bay Street
Toronto, ON M5G 2C8
Ph: 416-496-5284
www.uniongas.com
Booth: 720

Unistrut Canada
585 Finley Ave
Ajax, ON L1S 2E2
Ph: 905-683-8131
Fax: 905-683-8987
www.unistrutfallarrest.com
Booth: 1200

V

Ventilation Maximum
9229 Pierre-Bonne (R.D.P.)
Montreal, QC H1E 7J6
Ph: 514-648-8011
Fax: 514-648-9129
www.ventilation-maximum.com
Booth: 1207

Vicwest
1296 South Service Rd. West
Oakville, ON L6L 5T7
Ph: 905-825-2252
Fax: 905-825-2272
www.vicwest.com
Booth: 932

Viewpoint Construction Software
300-1515 SE Water Avenue
Portland, OR 972214
Ph: 971-255-4652
Fax: 971-255-4747
www.viewpointcs.com
Booth: 1032

Vista Aluminum Railing Systems
9747 199A Street
Langley, BC V1M 2X7
Ph: 604-888-7655
Fax: 604-888-1718
www.vistarailings.com
Booth: 849

W

W.R. Meadows of Canada
70 Hannant Court
Milton, ON L9T 5C1
Ph: 905-878-4122
Fax: 905-878-4125
www.wrmeadows.com
Booth: 822

Waste Management
300-125 Northfield Drive West
Waterloo, ON N2L 6N8

Ph: 519-886-3974
Fax: 866-242-8943
www.wm.com
Booth: 747

WinEstimator
19450 68th Ave S
Kent, WA 98032
Ph: 253-395-3631
Fax: 253-395-3634
www.winest.com
Booth: 1136

Winkler Technik
Waldhornstrasse 12
Ueberlingen, Germany 88662
Ph: 011.49.7551.1234
Fax: 011.49.7551.9188
www.winkler-technik.com
Booth: 745

Z

ZinCo Canada
P.O. Box 29
Carlisle, ON L0R 1H0
Ph: 905-689-5373
Fax: 905-689-0432
www.zinco.ca
Booth: 1227

Zurn Industries Limited
3544 Nashua Drive
Mississauga, ON L4V 1L2
Ph: 905-405-8272
Fax: 905-405-1292
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Booth: 608

Product Showcase



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vicwest vicwest.com

Seminars: Wednesday at-a-glance

TIME	CODE	TOPICS	TOPIC CODE*
9:00 am – 10:15 am	P101	Advanced Communication Skills	PP
9:00 am – 10:15 am	W100	ULC Fire Resistance Ratings Review	LR
9:00 am – 10:15 am	W101	Project Planning for Small & Mid-Sized Projects	PD, PP
9:00 am – 10:15 am	W102	Friendly Smart and Green Buildings	GB, NP
9:00 am – 10:15 am	W110	Air Barriers In Building Construction	BE
9:00 am – 10:15 am	W111	Important Roofing Decisions	BE
9:00 am – 10:15 am	W120	Construction Codes 2010: Part 9 Buildings	LR
9:00 am – 10:15 am	W150	Producing “Greener” Concrete	CC, GB
9:00 am – 10:15 am	W154	Integrating Concrete Pavers Patterns	CC, DT
9:00 am – 10:15 am	W211	Cost-Effective Natural Lighting Systems	DT, GB, NP
9:00 am – 12 noon	S102	Construction Law Review	LR
10:30 am – 12 noon	W103	Construction Codes 2010: Part 3 Buildings	LR
10:30 am – 12 noon	W104	An Introduction To BIM	PD
10:30 am – 12 noon	W112	Mould, Moisture & Building Envelope Failures	BE
10:30 am – 12 noon	W113	Curtain Wall Design and Construction	BE
10:30 am – 12 noon	W151	Building Envelope & Precast Wall Assemblies	CC, GB
10:30 am – 12 noon	W205	Integrating Daylighting	DT, GB
10:30 am – 12 noon	W212	Creating a Functional Kitchen	DT
10:30 am – 12 noon	W300	Contractors Roundtable: Green Building	GB
10:30 am – 12 noon	W301	Geo-exchange: Geothermal Earth Energy	GB
1:00 pm – 2:15 pm	W106	Risk Management Strategies	LR, PD
1:00 pm – 2:15 pm	W107	BIM and The Integrated Design Process	PD
1:00 pm – 2:15 pm	W108	New ASHRAE Standards	PD, GB
1:00 pm – 2:15 pm	W114	Greening The Building Envelope	BE, GB
1:00 pm – 2:15 pm	W115	Building Envelope and HVAC	BE
1:00 pm – 2:15 pm	W152	Interlocking Concrete Pavements	CC
1:00 pm – 2:15 pm	W213	Enhancing Productivity Through Design	DT
1:00 pm – 2:15 pm	W220	Project Portfolio Management	PD, PP
1:00 pm – 2:15 pm	W302	Leading-Edge Green Buildings	DT, GB
1:00 pm – 2:15 pm	W303	Smarter Use Of Utilities	PD, GB
1:00 pm – 3:00 pm	P102	Managing Multiple Priorities, Projects & Deadlines	PP
2:30 pm – 4:00 pm	W109	Construction Superintendents' Roundtable Discussion	PD
2:30 pm – 4:00 pm	W116	Ventilated Rainscreen Façades	BE
2:30 pm – 4:00 pm	W117	High-Performance and Sustainable Insulation	BE, GB
2:30 pm – 4:00 pm	W214	Materials Selection for Interior Environments	DT
2:30 pm – 4:00 pm	W221	Project Risk Management	PD, PP
2:30 pm – 4:00 pm	W304	Energy Retrofits: Build New or Renovate?	GB
2:30 pm – 4:00 pm	W305	Toronto's New Green Roof Bylaw	BE, GB
2:30 pm – 4:00 pm	W306	PERD: Results for Construction Systems	GB

* TOPIC CODE

BE = Building Envelope Solutions

CC = Concrete Canada

DT = Design Trends for Building Interiors

GB = Green Buildings, Building Environment and Performance

LR = Legal, Regulatory & Risk Management Issues

NP = New Products & Advanced Technologies

PD = Project Delivery & Smart Business Practices

PP = Professional & Personal Skills Development



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Seminars: Thursday at-a-glance

TIME	CODE	TOPICS	TOPIC CODE*
9:00 am – 10:15 am	T100	Get Ready for The HST In Ontario	PD
9:00 am – 10:15 am	T101	Continued Evolution Of Building Management Systems	NP
9:00 am – 10:15 am	T110	Vapour Barrier In Buildings	BE
9:00 am – 10:15 am	T111	Building Envelope Checklist	BE
9:00 am – 10:15 am	T120	The Seven Secrets Of Marketing	DT
9:00 am – 10:15 am	T150	Lessons Learned for Concrete Floor Finishes	CC, DT
9:00 am – 10:15 am	T300	Greening Strategies for Older Buildings	GB
9:00 am – 10:15 am	T301	Carbon Reporting	GB
9:00 am – 11:00 am	P103	Positive Focus In Negative Situations	pp
10:30 am – 12 noon	T102	The Recession Is Over: Finding Opportunities	PD
10:30 am – 12 noon	T103	BIM: Project Guidelines	PD
10:30 am – 12 noon	T112	Green, White & High-Performance Roofs	BE, GB
10:30 am – 12 noon	T113	The Impacts Of Codes and Regulations	BE
10:30 am – 12 noon	T151	Precast Concrete	CC
10:30 am – 12 noon	T154	Self-Consolidating Concrete	CC
10:30 am – 12 noon	T200	Building Labeling and Certification	GB
10:30 am – 12 noon	T211	Colour Trends for Commercial Interiors	DT
10:30 am – 12 noon	T302	Quality of Energy for Net-Zero Buildings	GB
10:30 am – 12 noon	T303	Solar Rooftop PV for Commercial Buildings	GB
10:30 am – 12 noon	T113	The Impacts of Codes and Regulations	LR
1:00 pm – 2:15 pm	T104	Planning Strategically for a Better Bottom Line	PD
1:00 pm – 2:15 pm	T105	Shift To Designing and Building Resilient Cities	PD, GB
1:00 pm – 2:15 pm	T114	Renewing The Exteriors Of Old High-Rise Apartment Buildings	BE
1:00 pm – 2:15 pm	T115	How EIFS Can Establish Higher Performance and Provide a Sustainable Building Envelope	BE
1:00 pm – 2:15 pm	T122	Building Your Brand With Social Media	DT
1:00 pm – 2:15 pm	T152	Concrete Roads: The New Economics	CC
1:00 pm – 2:15 pm	T220	Working With Project Managers	PP, PD
1:00 pm – 2:15 pm	T304	Sustainability & The Project Site	GB
1:00 pm – 2:15 pm	T305	Navigating Incentive Programs	PD, GB
1:00 pm – 3:00 pm	P104	Powerful Negotiating Tactics	pp
2:30 pm – 4:00 pm	T106	Benefits of Value Engineering	NP, PD
2:30 pm – 4:00 pm	T107	Building Fire Protection Systems	PD
2:30 pm – 4:00 pm	T116	Retrofit Of an Old Wall Assembly	BE
2:30 pm – 4:00 pm	T117	Building Envelope Maintenance Strategies	BE
2:30 pm – 4:00 pm	T153	Concrete Pipe: New Energy Source	CC, GB
2:30 pm – 4:00 pm	T213	The Right Light	DT
2:30 pm – 4:00 pm	T221	Project Manager & Jobsite Documentation	PP, PD
2:30 pm – 4:00 pm	T306	Photovoltaic or Thermal Solar Energy	GB
2:30 pm – 4:00 pm	T307	New & Innovative Green Products	GB, NP

* TOPIC CODE

BE = Building Envelope Solutions

CC = Concrete Canada

DT = Design Trends for Building Interiors

GB = Green Buildings, Building Environment and Performance

LR = Legal, Regulatory & Risk Management Issues

NP = New Products & Advanced Technologies

PD = Project Delivery & Smart Business Practices

PP = Professional & Personal Skills Development



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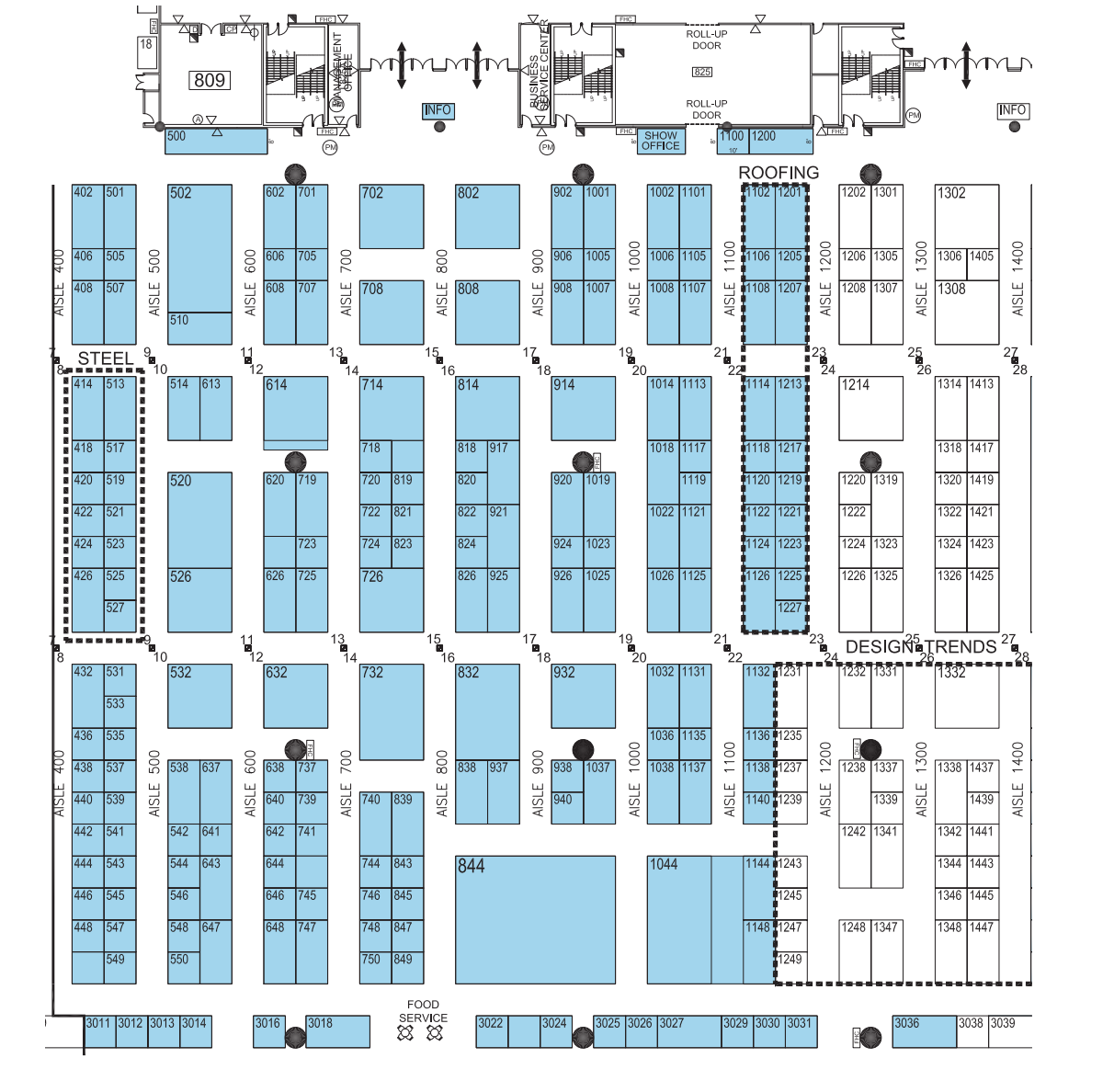
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Exhibitors by Booth Number

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Workshops & Seminars

Wednesday, December 2

9:00 a.m. – 10:15 a.m.

BE Air Barriers in Building Construction: Understanding Costs, Meeting Performance Standards and Exceeding Codes (W110)

Air barriers play critical roles in achieving building durability and sustainability and have a relative importance to other aspects of the envelope and building. This session will examine that role and some of their key inherent characteristics, e.g. typical air barrier materials, sheet goods, self adhered, liquid applied, insulation materials. Discussion will also focus on: compliance issues; code requirements; relevance of testing methods and standards; system vs. material testing; and installed cost comparison. Project profiles will examine examples of high performance envelopes and how they can be achieved.

Michael Pace, President, Building Resource Inc.

BE Making Important Roofing Decisions and Avoiding Costly Mistakes: What Building Owners and Managers Need to Know (W111)

All building managers will at some time face the need to replace or renovate a roof. With the vast array of available products, designs and systems, finding the most effective solution can be a daunting task. What can be done to maintain the roof, keep costs down and avoid problems? This session will examine the major features and benefits and clarify any misconceptions related to all major roofing systems. Topics will include: thermal transfer in and out of the building, durability and life expectancy of various membrane systems, and issues relating to the maintenance, repair, and re-roofing requirements. You will obtain a better understanding of the roofing system and how it can extend the life of your building, add to your bottom line, and enhance the building's performance. You will also receive some practical and proven guidelines for making important roofing decisions, understanding costs in today's market, and avoiding major mistakes.

James Hibben, President, Dean Chandler Roofing Limited

CC **DT** Design Ideas for Integrating Concrete Pavers Patterns (W154)

Learn how specific patterns, colors, and textures enhance an outdoor environment including patios, walkways, driveways, and grand urban plazas. There will be many examples taken from the Interlocking Concrete Pavement Institute book, Patios, Driveways and Plazas – The Pattern Language of Concrete Pavers that illustrate different designs with pavers patterns, colors and textures. The presentation will focus on the integration of pattern design with the site and building. This program is registered with the AIA CES and ASLA CES for professional continuing education.

Dave Smith, Technical Director, Interlocking Concrete Pavement Institute

CC **GB** Reducing Your Environmental Footprint and Producing "Greener" Concrete (W150)

Although concrete already has attractive sustainable benefits through its long life, durability and potentially energy-saving applications, careful design, and specification can achieve significant additional benefits. This presentation will focus on actions that can be taken to further reduce the environmental footprint of cement and concrete. The presentation will include an overview of the new Portland Limestone Cements (PLC) that will be referenced in the 2010 National Building Code of Canada.

John Archer, Director, Sustainable Development, Cement Association of Canada

DT **GB** **NP** Bringing Cost-Effective Natural Lighting Systems to Reality (W211)

This session will examine an innovative new lighting system and technology that can provide cost-effective natural-spectrum daylight throughout multi-floor buildings. You will learn how building-integrated wall collectors gather

sunlight and light guides deliver light into hybrid solar/ electric fixtures, improving occupant comfort and productivity and reducing energy costs and greenhouse gas emissions. The Core Sunlight Illumination System saves power by reducing electrical energy for standard commercial building lighting from 25 to 75%; saves money by reducing peak electrical power demand and associated peak demand charges; and improves comfort by providing natural spectrum sunlight more than 20 metres into the building core. The proprietary design uses inexpensive, proven, building materials and optical films to deliver solar lighting at costs below electric light - an industry milestone.

Lorne Whitehead, Chair, Board of Directors, SunCentral Inc.

GB **NP** The Future Friendly Smart & Green Building: It's All About Technology and IP Enablement (W102)

The Intelligent Building is really all about the ability to see what is happening within all aspects of the building. Most functions and services within a building have been isolated silos with the normal connection being the electrical power, water or gas pipe or a communication wire. Controls for the major services have been 'dumb' requiring manual intervention and commonly provided only historical data. While the advent of BAS (building automation systems) has provided some progress, the real challenge is to provide some answers to the following questions: what does and might this Intelligent Building look like and how do you rate the industry today; why should we build them; what is the value for all the participants; who is going to drive the process of change; and how are we or can we proceed to make it happen.

Robert Howard Lane, President, Robert H Lane and Associates Inc.

LR ULC Fire Resistance Ratings Review and Approved Deviations (W100)

Building codes mandate fire resistance ratings for most buildings. ULC conducts fire test in accordance with CAN/ULC-S101 and publishes results in the form of designs in the ULC Fire Resistance Directory. In this session, architects, engineers, specifiers and building inspectors will learn about the acceptable deviations that can be incorporated without affecting the fire resistance ratings. All participants to the seminar will receive a complimentary copy of the ULC Fire Resistance Directory.

Abbas Nanji, Engineering Section Manager, Building Materials, Life Safety and Security Group, Underwriters Laboratories of Canada

LR Major Changes to National Construction Codes 2010: Part 9 Buildings (W120)

This presentation provides an overview of code changes approved by the Canadian Commission on Building and Fire Codes for inclusion in Part 9 of the 2010 National Building Code. The most significant changes will be summarized. The topic of changes include secondary suites, spatial separation, resistance to lateral loads, stairs, windows doors and skylights, low permeance materials, combustible penetrations, fire alarms, hydronic heating and radon.

Frank Lohmann, Research Council Officer, Canadian Codes Centre, National Research Council of Canada


BE Building Envelope Solutions

DT Design Trends for Building Interiors

LR Legal, Regulatory & Risk Management Issues

PD Project Delivery & Smart Business Practices

CC Concrete Canada

GB Green Buildings, Building Environment & Performance 

NP New Products & Advanced Technologies

PP Professional & Personal Skills Development

Workshops & Seminars

PD PP Project Planning, Estimating and Scheduling for Small and Mid-Sized Projects (W101)

This session will examine proven concepts and tools that can be used for more effective planning, scheduling and estimating related to smaller projects. One of the key elements that will be discussed is how to apply risk and uncertainty analysis throughout your estimating and scheduling as well as in successfully managing and completing your projects. The presentation will demonstrate how to develop systematic and logical tools to assess any risks and uncertainties. With the wide range of software in the market, what are the best alternatives to use for a smaller project?

Clint Kissoon, Acting Chair, Centre for Construction & Engineering

Technology, George Brown College

Michael Da Silva, Vice President, Blackthorn Construction Managers

9:00 a.m. – 11:00 a.m.

PP Advanced Communication Skills: How to Get Your Message Across to Your Clients, to Your Staff, and to Your Suppliers (P101)

You give what you think are clear instructions, but nothing gets done. You say something in a meeting, but no one listens. You try to make your position known and no one seems to care. The problems of working with others are usually problems of communication. While the problems are all too common, the solutions aren't frequently known. Bridge the gap between your needs and your knowledge and add to your ability to solve communication problems by choosing this fast-paced, high-level course in successful communication skills.

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- State negatives positively and ensure you get done what needs to be done!

9:00 a.m. – 12 noon

LR Construction Law Review: An Update on Bidding & Tendering, Risk Management, Contracts, Liens and Trusts (S102)

What's new, what's different, and how will it affect the way you do business?

Seminar Chair:

Geza Banfai, Partner, Heenan Blaikie LLP

LR Contracts for Uncertain Times (S102)

- Why does a written contract matter?
- The importance of managing a contract as well as the work
- The key clauses affecting risk

Geza Banfai, Partner, Heenan Blaikie LLP

LR Bidding & Tendering: What You Need to Know (S102)

- Integrity of the bidding and tendering process
- The importance of the Tercon case and exclusion of liability clauses
- How the tendering process differs from RFPs, and how does it affect your bid?



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Workshops & Seminars

- What discretion do discretion clauses give an owner, and how do they hold up in court?

Glenn Ackerley, Partner, WeirFoulds LLP

LR Liens, Certificates of Completion, and Holdbacks (S102)

- Overview of the Construction Lien Act
- Liening for work done off-site and other extraordinary liens
- Written notices of liens
- Which trades are affected by holdbacks?
- How and when to entitle early release of holdbacks
- Certificates of Completion - how to execute and announce correctly

Anna Esposito, Partner, Pallett Valo LLP

LR Breach of Trust Claims (S102)

- What are the differences between lien and trust rights?
- What is the trust fund?
- How can a breach of trust be executed?
- Imposing personal liability on officers and directors
- How is a breach of trust handled during a bankruptcy or insolvency?

Kenneth Eccleston, Eccleston LP;

Counsel, Fasken Martineau DuMoulin LLP

LR Surety Bonds and How They Work (S102)

- Bid bonds
- Performance bond limits of coverage
- Labour and material payment bond: who is a "claimant" and how to make a successful claim
- Indemnification agreements

- Problems with enforcement

Bruce Reynolds, Partner, Borden Ladner Gervais LLP

10:30 a.m. – 12 noon

BE New Approaches in Curtain Wall Design and Construction (W113)

Curtain walls provide a controlled interaction between the environment surrounding a building and the occupants or processes within it. In some cases, we wish to achieve total segregation; in others, we choose to let daylight, solar energy, air and other elements into the building under controlled situations. These elements are obvious sources of heat loss and heat gain in existing commercial buildings. Options to improve thermal control are more limited than in new design and construction. This session will examine curtain wall design and construction options and ways to optimize the microclimate interaction around a building.

Steven Murray, Senior Project Manager, Morrison Hershfield

BE Mould, Moisture and Related Building Envelope Failures (W112)

Mould growth in buildings is well established as a health hazard and liability in buildings. This session will provide an update on federal and provincial regulations and guidelines, general liabilities, and due diligence responses to water damage and mould growth. Common building details that contribute to risk of water damage and mould growth will be discussed so owners and managers have an understanding of the visible signs and likely causes for high moisture levels. Practical remedial actions will be provided to help you keep your building dry.

Phil Brearton, Operations Manager, Building Science Group, Pinchin Environmental Ltd.

Bruce Stewart, Vice President, Indoor Air Quality, Pinchin Environmental Ltd.

CC GB High-Performance Building Envelope Solutions for Precast Wall Assemblies (W151)

Precast concrete wall panels can become a high-performance building envelope solution if these joints can be effectively sealed and drained back to the exterior. The two stage joint systems address the need to drain moisture back outside and overcome the problems of a face sealed system that acts alone to separate two significantly different air pressures, and is vulnerable to any cracks or fissures in the sealant that allows water to easily penetrate into the system. Sections of the Canada Mortgage and Housing Corporation Best Practice Guide for Architectural Precast Concrete Walls and information on the sick building syndrome will be presented.

Bruce Taylor, Executive Director, Ontario Building Envelope Council

DT Creating a Functional Kitchen (W212)

When designing or renovating a kitchen, there are a number of ingredients necessary for success: the space must be functional, efficient, and relatively timeless, so as not to require continual retrofitting. This session will include a discussion of current and lasting trends in kitchen design and how they affect our daily lives. What are the functional kitchen layouts for today's active lifestyle, and how can current trends in countertops, cabinetry, finishes, and accessories be incorporated to create a functional and effective kitchen?

Tanya Rentzos, Kitchen & Bath Designer, Andros Kitchen & Bath Designs



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BE Building Envelope Solutions

DT Design Trends for Building Interiors

LR Legal, Regulatory & Risk Management Issues

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GB Green Buildings, Building Environment & Performance

NP New Products & Advanced Technologies

PP Professional & Personal Skills Development

Workshops & Seminars

DT GB How to Integrate Daylighting in New Construction and Existing Buildings (W205)

This session will review the potential for the largest energy resource available: natural light. Topics covered will include daylighting definitions, basic calculations, architectural features which enhance daylight, and the integration of daylight and artificial lighting in buildings. The presentation will include an example of how lighting fixture controls are essential to the success of daylight integration.

Gerry Cornwell, LC, Gerry Cornwell Lighting

GB Contractors Roundtable: Green Building, Third Party Ratings, and Construction Site Management (W300)

An update on the latest issues and advantages in the process of developing commercial and institutional high-performance green buildings in today's marketplace. This session will feature a cross-section of the newest strategies, technologies, and practices that are being factored into the green building process, from design concepts through to construction, commissioning, and building operations. Key areas will include penalty clauses and how to handle them; contractors controlling the process, which is being driven by P3 models, budgeting time and labour for LEED projects; and implementing a continually changing certification process into a contract or RFP, lifecycle costing of products – for the last five years we've been front-loading the product and now need to consider full life of products.

Moderator:

Clive Thurston, President, Ontario General Contractors Association

Panel:

Cameron Blair, Manager, Sustainable Building Services, Eastern Canada, EllisDon Corporation

Compton Cho, Estimating Director, VANBOTS, a division of Carillion Construction Inc.

Klaus Gloge, District Building Systems Manager, PCL Constructors Canada Inc.

Murray MacKinnon, Director, Project Development, Ledcor Construction Limited

GB Geo-exchange: The Costs, Savings and Installation of Geothermal Earth Energy (W301)

Geothermal Earth Energy has become a viable option for many new buildings, and conversion of existing systems is more economical than ever. With new funding and incentive programs such as the Geo-exchange Initiative, and the uncertain cost of utilities going forward, what is the new cost-benefit analysis of geo-exchange? By evaluating the average and expected costs and savings on a series of case studies on small and large commercial projects, understand the installation costs, timelines, and maintenance considerations involved with this source of alternative energy.

Oleg Feldgajer, CEO, Canada Green ESCO

David Schenk, Raymond James Ltd.

Randy Palach, CEO & President, NextEnergy

LR Major Changes to National Construction Codes 2010: Part 3 Buildings (W103)

This presentation provides an overview of the most significant code changes approved by the Canadian Commission on Building and Fire Codes for inclusion in the 2010 National Building Code. The presentation will focus on the new code requirements for larger buildings. Besides fire safety and fire

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protection, the presentation will also touch on changes related to structural design, building envelope design, HVAC design.

Frank Lohmann, Research Council Officer, Canadian Codes Centre, National Research Council of Canada

PD An Introduction to Building Information Modeling: Getting Your Firm into BIM (W104)

BIM has now moved beyond initial acceptance and is being integrated into increasing numbers of businesses involved in all levels of construction. It is not just another piece of software for producing design documents, procurement or construction. Rather, it involves a process of learning and taking steps as a business fully integrates BIM into the entire workflow from visualization to supply chain management. This session will explore not only where BIM is presently, but how you can start on the path to BIM adoption. It will explore changes to the business model and contract structure; built-in dangers and incentives, construction review activities, and the streamlining of internal operations and external communications. The objective of this session is to bring you up-to-date with the trends, how to plan and implement change, and what the future holds for the OAECO industry as a collective whole.

Allan Partridge, Partner, HIP Architects

1:00 p.m. – 2:15 p.m.

BE Why You Need to Ensure Your Building Envelope and HVAC Get Along With One Another and How Do You Do It (W115)

Interaction between a heating, ventilation, and air conditioning system and the building envelope, directly affects the health, safety, durability, comfort, and energy efficiency of the building. Ensuring that your HVAC system and building envelope are getting along is critical to improve a building's health, safety, durability, comfort, and energy efficiency. The various parts of the building envelope will be discussed in order of their significance related to the efficient operation of the building.

Speaker:

Expert From Enermodel Engineering Ltd.

BE **GB** Greening the Building Envelope and Moving Towards Net Zero (W114)

The goal of green building is to use resources more efficiently and reduce a structure's negative impact on the environment. A zero energy building can achieve one key green building goal of reducing energy use and greenhouse gas emissions for the life of the building. Because of the design challenges and sensitivity to a site that are required to efficiently meet the energy needs of a building and occupants with renewable energy (solar, wind, geothermal, etc), designers must apply holistic design principles, and take advantage of the free naturally occurring assets available, such as passive solar orientation, natural ventilation, daylighting, thermal mass, and night time cooling. This session will examine the role that a greener building envelope plays in achieving these goals and what "the art of possible" is at this time in Canada to produce zero net energy high-rise buildings.

Ed Lowans, Principal, Lowans and Stephen

CC Your Guide to Construction Specifications for Interlocking Concrete Pavements (W152)

This presentation will define the components of interlocking concrete pavement. These components create interlock, the key to the structural performance of interlocking concrete pavements. We will also look at design and construction factors that influence interlock. We will walk through the specification guide, Interlocking Concrete Pavement Institute Tech Spec 9 – Guide Specification for the construction of Interlocking Concrete Pavement, and understand the logic behind why it is written the way it is. This program is registered with the AIA CES and ASLA CES for professional continuing education.

Dave Smith, Technical Director, Interlocking Concrete Pavement Institute

DT **GB** Leading-Edge Green Buildings: Case Studies on the Most Progressive Strategies Being Used in Canada (W302)

This presentation will cover recent and leading-edge Canadian buildings all designed to sustainable principles. The projects represent various scales, occupancy types, and regions. Together, they cover the most current sustainable design principles such as natural ventilation, geothermal and radiant heating, grey water retention and on-site treatment, building orientation, material selection, and energy efficiency to name a few. Each building will be fully described with excellent photography and informative drawing details to summarize the most progress sustainable design strategies being used in Canada today.

Don Griffith, Publisher, Sustainable Architecture & Building [SABMag]

DT Enhancing Productivity Through Workplace Design (W213)

Advances in technology, changes in demographics and the live-work balance, economic pressures, sustainable design and operation, employee retention and attraction, and security issues are a few of the factors impacting workplace design and operation. Yet the single most important aspect remains the creation of a functional space for maximizing productivity. Through a series of case studies and design examples, hear how these designers are meeting – and solving – the challenges faced by building managers and users.

Peter Heys, Senior Associate, IBI Group

Ellen Roland, Senior Associate, IBI Group

LR **PD** Risk Management Strategies for Designers, Contractors and Buyers of Construction (W106)

Building designers and constructors have always faced risk – from the liabilities associated with running any business to the risks that are unique to our industry, e.g. constant technological changes, vaguely described owner requirements, escalating regulatory red tape, inadequate budgets, unrealistic schedules, and inclement weather. Many owners are now trying to transfer risks that have traditionally been theirs onto designers and contractors, e.g. budget, schedule, fitness for purpose and more. This session will review and discuss the wide array of risks that designers and builders face, strategies for managing risk, identify the new kinds of risks that owners are trying to transfer, discuss which risks the industry can accept, and how those risks can be managed.

Brian Watkinson, former executive director of the Ontario Association of Architects, is an architect and Principal of Strategies 4 Impact! which provides strategic advice, support and facilitation to businesses in the design and construction sector, their associations and their clients.

PD BIM and the Integrated Design Process: Strategies for Collaborating Across Disciplines (W107)

This presentation will use discuss tips and techniques for using Building Information Modeling in a collaborative environment when stakeholders are often separated by distance and location. In addition to these strategies, the speaker will briefly reference Industry Foundation Classes (IFCs) as a means to exchange and interoperability using open, non-proprietary standards and formats. Alternatives including AC13 Teamworks 2, CSI Uniformat and Omniclass will also be examined.

Monte Chapin, Business Process Leader, North America, GRAPHISOFT

BE Building Envelope Solutions

DT Design Trends for Building Interiors

LR Legal, Regulatory & Risk Management Issues

PD Project Delivery & Smart Business Practices

CC Concrete Canada

GB Green Buildings, Building Environment & Performance

NP New Products & Advanced Technologies

PP Professional & Personal Skills Development

Workshops & Seminars

PD PP Project Portfolio Management (W220)

Any organization investing in projects to achieve strategic objectives needs a process to select among competing project business cases. This process is Project Portfolio Management (PPM), defined as “the centralized management of one or more portfolios, which includes identifying, prioritizing, authorizing, managing and controlling projects, programs, and other related work, to achieve specific strategic business objectives”.

You will learn the relationship between projects, programs, and portfolios, and be able to summarize the most current framework of PPM, using the recent “Standard for Portfolio Management” published by Project Management Institute.

Keith Farndale, President, Procept Associates Ltd.; Adjunct Professor, Project Management, Faculty of Applied Science and Engineering, University of Toronto

PD GB New ASHRAE Standards for High Performance and Greener Buildings (W108)

This seminar will review the current status and content for the proposed ASHRAE Standard 189.1, Standard for the design of High-Performance Green Buildings, Except Low-Rise Residential Buildings. This standard addresses sustainable sites, water use efficiency, energy efficiency, the building impact on the atmosphere, materials and resources, and indoor environmental quality (IEQ). The new standard leads the way to site energy savings of 10% to 41% over standard 90.1 with an average savings of 24.9%. This is the next energy stepping stone to “Net Zero” buildings!”

Rob Clements, Sales Manager, Ontario and Atlantic Canada, Armstrong Limited

PD GB Making Buildings Responsive to Peak Energy Demand: Saving the Grid Without Affecting Productivity (W303)

The arrival of the “Smart Grid” will stimulate owners and managers to look even harder to reduce energy consumption, save money, and be more environmentally aware, particularly at times of peak demand on utilities. This session will provide a strategy for cutting an office building’s peak electricity use by curtailing HVAC usage and dimming lights at peak times without negatively affecting occupant comfort and performance. By maintaining productive indoor environment conditions while reducing peak electricity use, the efficiency of your, or your tenant’s organization will increase as will your green credentials.

Guy Newsham, Senior Research Officer, Indoor Environment, Institute for Research in Construction, National Research Council

1:00 p.m. – 3:00 p.m.

PP Managing Multiple Priorities, Projects and Deadlines (P102)

This is the program for the busy business owner, manager, or staff person who tries to juggle multiple demands, deadlines, and daily pressures. With the information contained in this fast-paced seminar, you’ll get more accomplished and with better results than ever before.

You’ll gain control of your workday when you learn:

- Three strategies for controlling your “inflow” in today’s electronic age of voice-mails, emails, texts, and tweets.
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- The one question to ask yourself daily to make sure your top priorities don't fall to the bottom of the pile.
- From the "Law of the Vital Few" and how it affects us every day

2:30 p.m. – 4:00 p.m.

BE Ventilated Rainscreen Façades and Their Impact on Building Performance (W116)

Water, in all its forms, long considered the enemy to healthy and long-lasting wall assemblies is re-thought in this presentation on RVRs (Rear Ventilated Rain Screen) façades. Rain Screen 'Skins' offer innovative aesthetics and the next generation of technologies. The speakers will detail the method, show real construction practice, project case studies and innovative products to naturally manage water within construction, and offer approaches to next steps.

*John Kubassek, Founder and CEO, Engineered Assemblies Inc.
Blair Davies, Vice President and General Manager, Engineered Assemblies Inc.*

BE GB High-Performance and Sustainable Insulation: What You Need to Know (W117)

Sustainable Insulation is the key to going green and to making a building more efficient and comfortable. Spray foam insulation is one of the oldest insulation materials available. It is fantastic for thermal performance, air tightness, moisture control and structural durability, and it has very little room for the errors in installation. Closed cell spray polyurethane foam insulation is a type of spray foam insulation that is a good choice where small framing sizes need the greatest R-value per inch possible. This presentation will begin with a review of the history, types of sustainable insulations, comparisons, characteristics and limitations of each. Profiles of local LEED certified projects completed with sustainable insulation will also be reviewed.

Michael Swinton, Senior Research Officer, Building Envelope & Structure Program, NRC-Institute for Research in Construction

BE GB Toronto's New Green Roof Bylaw: What Does it Mean for Your Building? (W305)

The City of Toronto's bylaw on green roofs for new commercial, institutional, and some residential buildings will be implemented in January 2010. Find out from this panel of experts exactly what this means for your building: What are the options available for green or vegetative roofs? How can you implement a technically sound and long-term green roof? What structural changes and allowances will need to be made in the design of the roof, and how will the maintenance requirements affect other aspects of building design? What is the expected cost, and is there a benefit in the short or long term?

Kees Govers, General Manager, Caradoc Green Roofs

DT Materials Selection for Interior Environments (W214)

This seminar will cover the latest trends and best applications for the indoor environment. Focusing on commercial design, hear the latest in colours, materials, and applications for textiles, fabric and finish material selection, calculation, and specification. Use of sustainable materials will also be addressed.

*Annie Bergeron, Associate & Interior Design Leader, HOK
Randa Tukan, Vice President Retail & Hospitality, HOK*

GB Energy Retrofits – Is it Smarter to Build New or Renovate a Single-Family Home? (W304)

Older houses consume a lot of energy, having been built before stricter building codes came into play. Retrofitting existing homes offer great opportunities to significantly improve efficiency and reduce energy consumption, wastage of resources, GHG emissions as well as improve indoor climate.

The Danish Building Code was significantly amended in 1978, in the aftermath of the oil crisis, forcing companies, developers and architects to innovate and develop new solutions. This session highlights cases where such innovation was used to retrofit old energy guzzling houses to avoid locked-in inefficiency for the next 30 to 50 years.

Michael McLaughlin, Vice President, Business Development, Roxul Inc.

GB Program for Energy Research and Development (PERD) Results for Construction Systems and Materials (W306)

The PERD program funds research and development designed to ensure a sustainable energy future for Canada, with both the economy and the environment in mind. This R&D is focused on technologies, systems and construction materials that will best lead towards self-sustaining buildings and communities. This presentation will provide an overview of the top systems and products that will emerge in the market place in the near future, including thermal heat pumps, solar PV, and other aspects of integrated energy efficient design.

Francois Dubrous, Acting Director of Housing, Buildings, Communities and Simulation, CanmetENERGY, NRC

PD Construction Superintendents' Roundtable (W109)

A wide-ranging discussion with several experienced construction superintendents who play a critical role in the eventual success of a project from its conceptualization to the final construction phase. This session will examine some of the issues that they encounter along the way: managing sub-trades and inspecting the quality of work in progress; role and relationships with architects, engineers and owners; dealing with health and safety risks; scheduling; and understanding regulatory and environmental implications. The session will provide some valuable insights on how the role played by construction superintendents has changed in recent years and how they can effectively respond to the issues, challenges and risks associated with a project.

Moderator:

George Hanna, Coordinator, Construction Management for International Education, George Brown College

Panelists will include:

Ali Haj-Shafi, Professor, Construction Science & Management, George Brown College

PD PP Project Risk Management (W221)

A fast-paced and interactive summary of the knowledge area of Project Risk Management. This seminar explores quantitative and qualitative techniques to identify and analyze project risk factors and a variety of risk response choices. This is intended to introduce the topic to project managers, project team members and project stakeholders. In this seminar you will learn: risk identification; risk mapping; review of quantitative tools; opportunities vs. risks; risk response planning; and interactive team exercises.

Keith Farndale, President, Procept Associates Ltd.; Adjunct Professor, Project Management, Faculty of Applied Science and Engineering, University of Toronto

BE Building Envelope Solutions	CC Concrete Canada
DT Design Trends for Building Interiors	GB Green Buildings, Building Environment & Performance
LR Legal, Regulatory & Risk Management Issues	NP New Products & Advanced Technologies
PD Project Delivery & Smart Business Practices	PP Professional & Personal Skills Development

Workshops & Seminars

Thursday, December 3

9:00 a.m. – 10:15 a.m.

BE Can You Eliminate the Vapour Barrier in Buildings? (T110)

This presentation will discuss the technical aspects of relative humidity, how it leads to vapour diffusion, condensation and potentially mould growth? What is role of the air barrier as it relates to reducing moisture infiltration and how significant a role does the vapour retarder play. This presentation will examine the difference between vapour retarders, vapour barriers and permeable air barrier membranes.

Gary Osmond, Vice President, Building Science, BES-US, Henry Company

BE A Building Envelope Checklist for Building Owners and Property Managers (T111)

This presentation will examine the key elements that building owners and managers must take into account with respect to the ongoing condition of a building envelope. How often should the envelope be inspected? What should you look for? When might inspections point to the need for a professional evaluation? How can you effectively use capital planning to reduce and control your building envelope operating costs?

Peter Adams, Project Manager, Morrison Hershfield

CC DT Lessons Learned for Concrete Floor Finishes (T150)

This presentation focuses on the architectural aspect of concrete floors including related technical issues, project planning and problem

avoidance strategies. This session is designed for the specifier interested in the latest information on concrete floor technology, including LEED applications.

Geoff Kinney, Executive Director, Concrete Floor Contractors Association of Ontario

DT The Seven Secrets of Marketing (T120)

You need powerful, targeted marketing to attract prospects and drive in new business. But which marketing methods are least expensive and most effective? What should you do if you don't have any time? How can you get more referrals from your current customers? In a fast-paced, fun, and eye-opening session, you will learn practical techniques you can implement right now in your own building or remodeling business to pump up your profits. Bring in your current marketing materials and Jon will critique them on the spot!

Discover:

- 5 mistakes most contractors make (and the one you're probably doing yourself)
- Out-of-the-box direct marketing strategies for targeting your best customers
- The "kiss of death" for your sale and how to avoid it
- 3 ways to generate buzz for your remodeling business without spending a fortune
- A formula for discovering how much you can really afford to spend on marketing

Jon Goldman, President, Brand Launcher LLC

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Fax : (905)627-9700

Contact name : Don Hardwick

Workshops & Seminars

GB Replacing Old Energy Guzzlers Makes Perfect Business Sense: Greening Strategies for Older Buildings (T300)



Improved technology in water pumps reduces energy consumption, water wastage, water contamination and the energy bill.

Now that fewer new building projects are being launched, it makes perfect sense for installers to shift their focus to replacing old pumps. With approximately 90% of non-residential buildings using old energy guzzlers, it does not only represent a vast opportunity for reducing CO2 emissions and other negative effect on the climate, it also makes perfect business sense. This session was designed for facilities and organizations interested in reducing utility costs while also reducing their environmental footprint. It will cover local case studies, including a GTA hospital, to examine how a simple, but different approach to water circulation in buildings can reduce energy consumption with up to 90%, and save tens of thousands of dollars on the electricity bill.

Simon Feddema, President, GRUNDFOS Canada Inc
Greg Towsley, Innovation Intent Director, Zero Impact Buildings GRUNDFOS Pumps Corporation

GB Carbon Reporting: What's Included, What's Not? (T301)



Measuring your carbon footprint has, to date, largely been focused on reporting the impact of energy usage. But what else can and should be included in order to have a complete and accurate model of your carbon footprint? This presentation will cover the current model for carbon reporting and factor in additional impacts such as waste, water, staff commuting, and other and consumables that add to the overall carbon footprint of an organization.

Neal Bach, Vice President, Energy Profiles Ltd.

NP The Continued Evolution of Building Management Systems: What Does the Future Hold for Intelligent Buildings? (T101)

By analyzing available data, we are able to improve the operation of buildings and respond to energy demands in a better way. Integration between buildings within a portfolio should bring additional efficiencies, and the size of PWGSC portfolio should allow response to energy demands in a way that may significantly impact the energy use on a national scale.

The "intelligent building system" will allow for constant monitoring of building systems in order to optimize energy use with the ability to: maintain building climate; create occupancy-based lighting; monitor system performance and device failure, and provide email and/or text notifications to building engineering staff using existing networks. The improved access to the BAS functionality is expected to improve operations, enabling a reduction in building energy and lowering maintenance costs when compared to a building that is not as closely monitored.

David Arsenaault, Business Development Manager, Robinson Solutions
Marek Dzedzic, Project Manager, Real Property Branch, Public Works and Government Services Canada

PD Get Ready for HST in Ontario: Implications for Construction Projects, Products, and Services (T100)

When the HST comes into effect in 2010 in Ontario, there will be increased taxes on materials, services, utilities and maintenance projects, but there are claims that the harmonized taxes may also drive down contract costs. Where will the proposed input tax credits be available? How will these changes affect pricing and cash flows? The new taxes must be factored in to investment or development strategy, financing decisions, revenues and expense calculations, and cash flows. This seminar will teach you what you need to know to manage the transition effectively.

Brian Wurts, Senior Manager, Corporate Tax, PricewaterhouseCoopers

9:00 a.m. – 11:00 a.m.

PP Maintaining a Positive Focus in Negative Situations (P103)

Is the constant drumbeat of negative news starting to affect your business? Do your clients do more complaining than they do buying? Are negative employees jeopardizing your organization's productivity? Does morale in your location resemble the thermometer on a frosty morning? There are a lot of reasons for workplace negativity – difficult economic times, company chaos, and personal problems. Negative attitudes, ideas and actions don't go away by themselves; they must be acted upon. Here are the actions everyone in any organization should take to deal with negativity that's already present, prevent negativity that isn't, and to avoid ever causing it.

You'll create a more positive workplace by learning:

- What negativity is, what it isn't, and why the difference is important.
- The SPEED system for personal negativity management.
- Where negativity comes from and how to stop it at the source despite what is going on outside your doors.
- Pessimism vs. optimism: why both are valuable.
- Seven negativity traps and how to escape them.

10:30 a.m. – 12 noon

BE The Impacts of Codes and Regulations: How to Avoid Traps When Designing the Envelope? (T113)

Building Envelopes built to Part 9 call for attention to prescriptive requirements whereas Part 5 Environmental Separations demand knowledge of a litany of applicable standards to get it right. Learn how following the Building Code can land you in trouble, how to apply alternative design related to the Building Envelope, how to achieve good envelope performance despite the minimum code requirements and how to avoid fines and possible imprisonment for failure to comply with the building permit process.

Gerald R. Genge, President, GRG Building Consultants Inc.

BE **GB** Clarifying the Myths & Realities About White Roofs, Green Roofs and High Performance (T112)



The use of white roofs (also known as reflective roofs), green roofs (also known as garden roofs) and high-performance roofs is increasing in Canada. It is extensively discussed throughout Canada due to marketing and their presumed role in providing energy savings and reducing the urban heat island effect. Many of these attributes are associated with the color of the roof's surface (e.g., white or green or black) and are all linked in some way to sustainability or sustainable development. This presentation will cover the definition of sustainable roofing and provide examples of sustainable roofs such as garden roofs, reflective roofs and photovoltaics.

Ralph Paroli, Director, Building Envelope & Structure Program, NRC-Institute for Research in Construction

CC Precast Concrete: The Latest Innovative Technologies (T151)

Learn about new innovative concrete applications and technologies. Topics will include PC-3D Building Information Modeling (BIM), self-cleaning

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concrete with the ability to mitigate environmental pollution, Ultra High-Performance Concrete (UHPC) that is stronger and thinner (ultra high-performance concrete is a new cementitious material with strength more than 200 MPa and other excellent properties). New form liner applications along with concrete tints and stains will be highlighted.

Brian Hall, National Marketing Director, Canadian Precast / Prestressed Concrete Institute

Jack Laken, President, Termobuild Canada

Angie Luis, Technical Services Area Manager, ESSROC Canada

CC Self-Consolidating Concrete: The Sky Is the Limit (T154)

This concrete technology is slowly coming into its own. This session will focus on the opportunities and simplicity of this product. One of the largest pours will be highlighted and the new SCC calculator developed by the Ready Mixed Concrete Association of Ontario.

Sherry Sutherland, Technical Engineer, Ready Mixed Concrete Association of Ontario

Joe Matthews, Director of Marketing, Ready Mixed Concrete Association of Ontario

DT Colour Trends for Commercial Interiors (T211)

This session will explore the uses of colour in our world today, and where they're heading for the near future. Gain insight into the choices made by inspired designers in their selection of colours by understanding how colour trends are influenced by international culture, fashion, technology, and psychology.

Speaker:

A leading colour trends expert

GB Building Labelling and Certification: Update on LEED, BOMA BEST, and Other Programs (T200)



This session will provide an update on the most common building labeling and certification systems in Canada: LEED and BOMA BEST. What have been the experiences and results attributed with the first generation of LEED programs (Platinum, Gold, Silver and Bronze)? What are the goals of the LEED Canada Complete Initiative? What other LEED ratings have been rolled out and how they are performing?

Many owners and managers of existing buildings have adopted BOMA BEST as a green metric for the properties. How are these systems being used as marketing and tenant relations tools? Can they lead to improvements in your energy, water, and waste efficiency, and environmental management?

Monica Montefiore, Project Manager, Green Building Consulting, Halsall Associates

Nada Sutic, Manager, Environmental Initiatives, BOMA Canada

GB Quality of Energy for Net-Zero Buildings: Is the Source of Energy Critical? (T302)



Join Albert and Vladimir for this engaging session as they explore the benefits of the net-zero design approach. Learn how the net-zero approach proactively addresses building performance, rather than relying on complex, reactive engineering systems. Combining high-energy efficiency building envelopes with integrated renewable energy options, Net-Zero buildings produce the same amount of energy as they consume in a year. Drawing on several project examples, Albert and Vladimir will address topics including human comfort, passive design, microclimate and energy modeling. This engaging seminar will provide a new perspective on building energy use.

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The speakers will explain why shifting to reliance on lower energy quality — exergy — is just as important as reducing the energy quantity used in sustainable building design and possibly achieving Net-Zero. Join us to learn the fundamentals of low-exergy building design and explore a realistic path toward adopting it in your projects.

Albert Bicol, Partner, Cobalt Engineering

Vladimir Mikler, Partner, Cobalt Engineering

GB Solar Rooftop PV for Commercial Building Owners: Is There an Income Opportunity? (T303)



Ontario's Feed-in Tariff Program has attracted international attention with its bold promise of increasing renewable energy production. Perhaps the most tangible opportunity for commercial landlords involves roof mounted solar photovoltaic (PV) systems. This session will address the pro-forma financial opportunity for landlords together with the current status of the program. Also, considerations for landlords in selecting partners and pursuing the opportunity will be discussed.

Mike McGee, President, Energy Profiles Ltd.

LR The Impacts of Codes and Regulations: How to Avoid Traps When Designing the Envelope (T113)

Building Envelopes built to Part 9 call for attention to prescriptive requirements whereas Part 5 Environmental Separations demand knowledge of a litany of applicable standards to get it right. Learn how following the Building Code can land you in trouble, how to apply alternative design related to the Building Envelope, how to achieve good envelope performance despite the minimum code requirements and how to avoid fines and possible imprisonment for failure to comply with the building permit process.

Gerald Genge, President, GRG Building Consultants Inc.

PD The Recession is Over: Now What? Finding the Opportunities in a Post-Recession Economy (T102)

The experts tell us the recession is over. But what's next for the design and construction sector in Canada? If you're thinking "back to the same old, same old" you're terribly wrong. Many of those same experts are also predicting a long, slow climb out of this economic slump. The public stimulus dollars that helped us weather this storm are fully committed. Governments have racked up record deficits so you can be certain public owners will be under pressure to cut back capital spending, especially after March 2011. On the private side, many are fearing a "double-dip recession" in 2010, so we can't rely on increased private investment to balance a cut in public spending. Where will we find opportunities? The presentation in this session will: discuss the most recent projections for Canada's economy, focusing on the construction industry; identify key, emerging markets; and assess strategies for making the most of those opportunities

Brian Watkinson, Principal, Strategies 4 Impact!

PD BIM: Determining Project Guidelines for Software, Layouts, and Information Exchange (T103)

Hear from this multi-functional panel of experts to find out the best way of determining the project guidelines so that all stakeholders will receive the information they require for the life of the project and beyond. Beginning with a needs assessment, the architect, contractor, consulting engineer, and facilities manager on this panel will provide strategies and techniques to ensure the building information model will provide the results expected by all stakeholders.

Moderator:

Allan Partridge, Partner, HIP Architects

Panel:

Ian Fairlie, Director of IT, Zeidler Partnership Architects

Thomas Strong, BIM Manager, EllisDon

Ian Trudeau, Halsall Associates Limited

1:00 p.m. – 2:15 p.m.

BE Renewing the Exteriors of Old High-Rise Apartment Buildings: What Is the Most Cost-Effective Strategy? (T114)

Using the new Tower Renewal Guidelines as a frame of reference, learn the range of retrofit options available to renew your buildings. Discussion shall include a cost evaluation of different retrofit options, and summarizing available incentives/rebates that can make building renewal a more attractive proposition and worthwhile investment.

Kevin Day, Project Manager, Halsall Associates Limited

James Wilkinson, Project Manager, Halsall Associates Limited

BE How EIFS Can Establish Higher Performance and Provide a Sustainable Building Envelope (T115)

Two of North America's EIFS technology leaders put aside their competitive positions and stakeout "higher ground" in this informative EIFS seminar. The topics are as follows: the very latest trends in EIFS technology and where it is heading; if the owner is targeting LEED certification or a high performance metric for their new building, how can EIFS contribute towards achieving such a goal; relationship between EIFS and a higher energy efficient building; what do architects and contractors need to understand about EIFS when designing a project or during the installation phase to maximize its true potential; and how does the cost of using EIFS compare with other alternative building envelopes when the goal is to make the building higher performance.

Moderator:

John Garbin, President, EIFS Council of Canada

Speakers:

Peter Culyer, Manager, Marketing and Technical Services, Dryvit Systems Canada

John Edgar, Technical Manager, Building Science, Sto Corp

CC Concrete Roads: The New Economics (T152)

Infrastructure costs and needs are rising everyday. The price of oil is starting to impact municipal budgets, specifically with regard to road building. This session will show that concrete pavements are now more cost-effective, and provide long term durability and environmental sustainability. CANPav is software developed with the industry to demonstrate the first cost savings of concrete roads. You won't want to miss this session.

Sherry Sutherland, Technical Engineer, Ready Mixed Concrete Association of Ontario

DT Strategies for Building and Maintaining Your Brand with Social Media (T122)

In today's environment, you need powerful marketing more than ever and powerful marketing means online marketing. You need to jump into the world of social media with both feet if you want to survive but you've got to do it right. Chances are, your marketing budget is stretched tighter than a snare drum. But if you know the "tricks of the trade", you can get massive bang for your buck with YouTube, Facebook, autoresponders, and other online marketing tactics. Come to this fast-paced presentation and discover simple techniques you should be using and common errors you need to avoid.


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Here's what you'll find out:

- How to go from being a "commodity" to a "trusted resource" using social media
- The right way to set up your Facebook page and LinkedIn profile
- How to use YouTube – and how NOT to use YouTube
- How to use blogs and forums to build your power brand

Jon Goldman, President, Brand Launcher LLC

GB Sustainability & the Project Site: Going Beyond Green Buildings with Sustainable Energy Planning (T304)



Lost opportunity occurs when Sustainability is implemented at the building level. Sustainability needs to be addressed at the site level for large developments that will influence the master plan of the site. Can we develop while maintaining or reducing our environmental footprint? Albert Bicol will share several project examples highlighting the benefits of Sustainable Energy Planning. In this session, you will learn how Sustainable Energy Planning blends science, technical expertise and vision to assess how sustainability affects every aspect of the project. Explore why collaboration between developers, owners, master/urban planners, architects, and engineers from the start is critical to creating healthy communities, campuses and large developments and delivering exceptional results for your clients.

Albert Bicol, Partner, Cobalt Engineering

PD How to Plan Strategically for a Better Bottom Line Based on Better Asset Performance (T104)

Given recent economic and market conditions, asset and property managers

have pressure to find ways to increase the bottom line while still preserving an appropriate level of asset performance. One of your key challenges is finding ways to maximize value while continuing to meet the expectations of your tenants in terms of how the facilities are performing. This panel will address specific ways that asset and property managers can improve the bottom line performance of their buildings coupled with effective ways to improve their strategic outlook. The panel will consider questions such as: are you doing enough to reduce operating expenses; does your CapEx reinvestment strategy look out far enough into the future to ensure that asset performance objectives can still be maintained; how can you consistently measure asset performance; are you planning in a way that mitigates the risk of catastrophic failures; how do you ensure all levels of building management understand the asset management strategy; and how do you get them to individually contribute to the organization's specific goals.

Terry Bishop, Executive Vice President, Altus Tax

David Gardiner, Senior Director, Altus Cost

Phil Smith, Executive Vice President, Altus Research, Valuation & Advisory

Karl Scharnitzky, Senior Director Business Strategy, Altus Capital Planning

PD **GB** The Essential Shift to Designing and Building Resilient Cities: Responding to the Triple Threat of Climate Change, Peak Oil and Explosive Population Growth (T105)



Eighty percent of Canadians live and work in cities - and that number is steadily increasing. Despite the economic recession, Canadians remain very concerned about climate change and global warming, demanding that our leaders take decisive action starting right now. Peak oil is also now making

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the news, reflecting a growing recognition that the increasing and voracious global demand for oil will soon exceed our ability to supply it affordably. Meantime, we are witnessing explosive and unsustainable global population growth. What does it all mean to our industry that designs, constructs and maintains our cities?

Participants in this session will:

- Review the impact of these forces on the cities and communities we live and work in
- Discuss the urgent need to change our thinking about the way we design and construct our cities and the buildings that make them up
- Consider the implications for our industry - both the threats and the opportunities

Craig Applegath, Principal, Cohos Evamy Integratedesign in Toronto, is also a founder of ResilientCity.org, a website focused on developing creative, practical, and implementable urban planning and building design strategies that address our century's most important challenge.

Brian Watkinson, former executive director of the Ontario Association of Architects, is an architect, Principal of Strategies 4 Impact! and a contributor to ResilientCity.org.

PD GB Navigating Incentive Programs: How to Secure Funds for Your Project (T305)

This session will examine the opportunities for acquiring funding and for taking part in incentive programs that are ideally suited to your property or project. Discover the best options available at all levels of public and private enterprise, as well as from federal, provincial, and municipal government programs. Speakers will make use of case studies in their discussion and will provide an overview of the process for securing these funds.

Susan Clinesmith, Manager, High Performance New Construction Program, Enbridge Gas Distribution

Jane Dalziel, Senior Engineer, Better Buildings Partnership, Energy Efficiency Office, City of Toronto

Wayne Proulx, CDM Program, BOMA Toronto

PP PD Working with Project Managers: What You Need to Understand (T220)

This session discusses what it means to be part of a project team and the factors that a project manager considers when planning and executing a project, such as defining the project, identifying team-member roles, recognizing the real definition of project success, defining the project lifecycle and describing considerations to include in the project plan. At the end of this session participants will be able to define their role in the project, contribute to the planning process, and negotiate their stakeholder requirements with project managers.

Darya Duma, Vice President, Procept Associates Ltd.

1:00 p.m. – 3:00 p.m.

PP Powerful Negotiating Tactics for Challenging Times: Keys to Success (P104)

When times get tough, people can get harder to deal with, negotiations can become more intense, and every concession can become harder to come by. You've been in the tough situations: negotiating payments from a struggling tenant, trying to buy time from a demanding vendor, keeping your cool with an upset client, or holding the line on price when you need to land the sale. The one set of skills that can save you in each of those situations is your ability to negotiate and to do it well.

You'll be able to go toe-to-toe with even the most powerful negotiators when you discover:

- Why you must never jump at the first offer and how to ensure there is a second one.
- How to turn the most argumentative client into a loyal supporter.
- Counter tactics to the four deadliest games your opposition can play.
- What to say to save the deal just when it looks to be lost.

- Seven things you might not know about your opening offers that could be sabotaging every deal.
- Three things you must do immediately whenever someone makes you an offer.

2:30 p.m. – 4:00 p.m.

BE How Much is Enough When You Retrofit an Old Wall Assembly: Getting It Right the Second Time (T116)

With energy costs projected to be increasing again, what can be done in an existing building using retrofits that will both save on future energy costs and provide for a more "livable" building? If water, air, cold or heat can get in, aside from the real damage that these conditions can cause, another key result is that your energy dollars are going out your building's envelope. This presentation will examine actual case studies that look into methods that can be employed to restore and improve the performance of your building as well as reduce your energy costs.

Brian Shedden, Vice President Client Services, J. McBride & Sons Ltd.

BE Cost-Effective Building Envelope Maintenance Strategies for Existing Buildings (T117)

This session will outline measures to be taken to effectively tighten the building envelope of existing buildings. Considerable experience has shown that tightening these buildings judiciously can be extremely cost effective. Case studies, methodology and cost justification will be discussed to cover all aspects of the building envelope including the top, bottom, vertical shafts, the side walls and, last but not least, the issue of compartmentalization. Issues such as smoke, odour, dirt, and bug control frequently become part of the justification for doing this work. Window retrofit measures including low-e film, weatherstripping replacement, interior sash, insulating glass unit replacement, as cost-effective alternatives to replacing windows will also be discussed.

Steve Tratt, National Sales Manager, Canam Building Envelope Specialists


CC GB Concrete Pipe: A New Source for Sustainable Building Energy (T153)

An enormous amount of heat energy is lost when waste water flows into sanitary and storm sewer pipes. New developments in precast concrete pipe incorporate a heat recovery system to capture the heat from the effluent in the pipe and from the adjacent ground, and return the energy to heat the building. In warmer weather the system works in reverse, cooling the building by transferring heat to the sewer pipes. The system is controlled by a heat pump located in the building, and can provide heating and cooling with an efficiency of 400% to 500%. This presentation will provide an overview of this new sustainable energy option.

John Hood, Director, Renewable Resource Recovery Corp.

DT The Right Light: Applications and Best Uses for LED, Incandescent, and Fluorescent Lighting (T213)

A number of factors are in play when deciding how to light an indoor environment. In addition to the colour temperature and full spectrum of the light, designers, specifiers, and property managers must consider power consumption, cost efficiencies, life cycle costs and available lamp products when designing a lighting system. But with an increasing availability of sources, including LED, incandescent and fluorescent lights

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and lighting controls, which is the right light? In addition to the relative visual differences, learn how your lighting choices will affect sustainability metrics, and how energy and thermal comfort issues can be affected by the interaction between HVAC and lighting.

Bjarne Pedersen, LC, Architectural Lighting Design
Bob Bach, Energy Profiles Ltd.

GB **Photovoltaic or Thermal Solar Energy: Why are These Now Feasible Options? (T306)** 

Solar energy now offers a range of benefits and opportunities that are feasible, easily implemented, and accessible to many building owners. Both Thermal and Photovoltaic panels can easily power HVAC and electrical systems. This session will illustrate, with the use of case studies and cost-benefit models, the opportunities for integration of this renewable energy source into existing supply and new construction. This panel of industry experts will look at what options are available, what it will cost, what the maintenance implications are, where to find incentive or funding, and what to expect for a payback period.

Robert Riopelle, President, Smith and Long Limited
Robert Christie, Vice President, Cleave Energy Inc.

GB NP **New & Innovative Green Products: An Update on the Latest Technologies and Systems (T307)** 

As sustainable buildings become increasingly common, innovative products, systems, and technologies are becoming more and more accessible and affordable. This session will examine the latest and most interesting of these innovations, and how they can be most effectively integrated into your next green project.

Rodney Wilts, Partner, BuildGreen Solutions (A Windmill Developments Company)

NP PD **Benefits of Value Engineering On Project Management and for Buyers of Construction (T106)**

The benefits of value engineering lie in the improved function and

reduced costs of a program, project, system, product, item of equipment, building, facility, service, or supply of an executive agency. The true measure is in improving performance, reliability, quality, safety, and life cycle costs. The key is to identify and remove the unnecessary expenditures to increase the value for project managers and buyers of construction. This session will outline the basic concepts and principals, and benefits of value engineering.

Tom Fletcher, Senior Engineering Manager, The Fletcher Group (invited)

PP PD **Paper, Paper, Paper: The Project Manager and Construction Jobsite Documentation (T221)**

Good jobsite documentation builds confidence in work performed, reflects your professional attitude, acts as an insurance policy against claims, builds quality into your work, and protects your profit margin. This seminar discusses the Project Manager's role in documentation and the "what", "why", "when" and "how" of keeping and transferring records. The seminar concludes with audience participation on maintaining a documentation system in a systematic and cost-effective manner reflecting the complexity of the job.

Darya Duma, Vice President, Procept Associates Ltd.

PD **Integrated Building Fire Protection Systems (CAN/ULC-S575): What is the Status? What Are the Issues? (T107)**

Although Canadian Building and Fire Codes have requirements to test and verify individual fire protection and life safety components to ensure proper operation, there are no specific requirements for integrated systems to be tested as a whole. This includes the interconnection of the various systems that provide a life safety function in a building. In Canada, the intent of CAN/ULC-S575, Commissioning of Building Fire Protection Systems, is to develop performance based commissioning parameters for integrated fire protection systems. This presentation will discuss the significant issues that have arisen as this effort is ongoing, and in its infancy for the most part.

Fred Leber, Co-Founder and CEO, Leber/Rubes Inc.

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Export Business Opportunities

International Business Program

Program For Manufacturers, Suppliers, Architects, Engineers and Contractors (S104)

Wednesday, December 3

9:00 a.m. – 10:00 a.m.

Beyond the USA: Opening up New International Markets for Your Products and Services

For most Canadian companies, “going international” has meant pursuing U.S. markets. While the U.S. remains attractive, the recent financial crisis followed by waves of trade protectionism have awoken Canadians to the pressing need to broaden their horizons. However, the prospect of dealing with more distant locations, with different languages, laws and cultures can be daunting for many. Staying home is no longer an option in a global economy.

Foreign buyers are eager to do business with Canadians, but relatively few Canadians feel bold enough to venture alone onto the world stage. Discover how to bridge the gap by tapping a wealth of professional service providers, consultants, trading houses, sales agents, legal services, logistics and more, to cost-effectively begin to access the vast new markets awaiting you.

David Geldart, President, Trade & Investment Services Alliance (TISA)

11:30 a.m. – 12:30 p.m.

NRCan's Best Practices to Support Energy Efficient and Sustainable Buildings

The key to success is the engagement of the stakeholders involved in a building lifecycle.

Through the ecoENERGY Efficiency initiative, NRCan encourages the design, construction, operation and retrofit of more energy-efficient buildings by offering technical publications, training, software and other on-line tools.

For example, the commercial and institutional buildings offers the Dollars to Sense workshops, monthly newsletters, retrofit incentives and validation of new building designs service. NRCan's Building Division actively promotes

and supports energy efficient practices in buildings from conception to building optimization.

Phil Jago, Director of Buildings Division, Office of Energy Efficiency, Natural Resources Canada

12:30 p.m. – 2:00 p.m.

International Networking Luncheon

The Networking Luncheon is an opportunity to network with other international visitors, as well as Canadian architects, engineers, contractors, manufacturers, and suppliers. Admission to the luncheon for international visitors is included in your registration fee.

2:00 p.m. – 3:00 p.m.

Exporting to the US – New Realities and New Opportunities: Logistics, Customs and Marketing Options in the Current Cross-Border Environment

The US remains Canada's most important export market in the building and construction sector. New political administrations, new economic pressures, and continuing security challenges are changing the way goods and people move across the border. This panel discussion features two experienced professionals who will provide participants with up-to-date information and insight on how things are changing from “Washington to your warehouse”, and on how you can craft an integrated customs and logistics strategy to maximize your competitiveness in the US market.

Birgit Matthiesen, Special Advisor to the President, US Government Relations Canadian Manufacturers and Exporters

Terri Strain, President, Ameri-Connect Freight Services Inc.

2:00 p.m. – 4:00 p.m.

Export Café - One-on-One Meetings

This is an ideal opportunity to meet with Canadian manufacturers, suppliers, contractors, engineers, architects and consultants, and learn about their products, services and technologies. Speak with trade experts from Foreign Affairs and International Trade, Ontario's Ministry of Economic Development and Trade Canada, program speakers, and government agencies official. The meetings will provide you with information on local market conditions, business opportunities in prime markets, and resources that will support your export activities.

Hands-On Demonstrations & Technical Updates

On the exposition floor, attend a series of free, ongoing hands-on demonstrations and technical updates that will provide valuable insight into new technologies and applications. Learn how they can be applied to any project or building, including new construction, renovation or retrofit. Most presentations will be 20 to 30 minutes in length. Demonstrations will be conducted on an ongoing basis in each of the following areas beginning at 10:45 a.m. on December 2 and December 3, and 9:45 a.m. on December 4. For an up-to-date listing of demonstrations, visit www.constructcanada.com

Green House Under Construction – Bottom of Aisle 100

The Greener Side of Radiant Heat; Elodie Pasek, Warmly Yours Canada; Booth # 206

Incentives for Energy Efficient New Construction; Jane Dalziel, City of Toronto; Booth # 537

Be Green and Save Money With Geothermal; Tom Andreson & Ken Sherwood, Comfortwave Geothermal; Booth # 346

Off-Site Construction & Sustainability; Laurie Robert, NRB; Booth # 521

New Advances in Temporary Safety Railing Design; Joe Carvalho, SafeBild Inc; Booth # 336

Easy Installation of New Footing Barriers; Angelo Dosa, Cosella Dorken Products Inc.; Booth # 1113

Going Green with Housewrap and Roof Underlayment; Marlon Paisley, Paisley Products of Canada; Booth # 345

Energy-efficient Building With ICFs and SIPs; Greg Doren, Plasti-Fab Ltd.; Booth # 1026

Fencing: How Durable is Recycled Plastic?; Brad Wilson, SimTek Fence; Booth # 3009

Next Generation Air Barrier Technology; Gary Osmond, Henry Canada; Booth # 808

Product Knowledge Centre – Bottom of Aisle 2100

Running Your Property Online; Zachary Kestenbaum, BuildingLink.com; Booth # 1938

Incentives for Energy Retrofits; Angelo Poto, City of Toronto, Energy Efficiency Office; Booth # 1722

EnviroReady Warranty System; Tom Doyle, Firestone Building Products; Booth # 1214

Making Wood Floor Refinishing Green; Lee Senter & Sanjeev Ramphai, Fresh and Clean; Booth # 3041

Learn How to Provide Free WiFi Internet Access to Your Tenants; Dale Norman, HighRiseNet.ca Inc.; Booth # 2118

Manage and Monitor Green Building and Leasing Initiatives; Karen Brophy, Intuit Real Estate Solutions; Booth # 1544

A Cost Effective, Efficient Method to Facilitate Repairs; Cindy Littler, iCheck; Booth # 1937

Biodegradable, Non-irritant & Non-toxic Descaler/Deuster; Michel Poirier, Magnor Inc.; Booth # 1926

How to Analyze & Audit a Building's Energy Consumption; Mike Laurie, PLANIT Measuring; Booth # 1932

New Elevator Technologies – Modernizations and Power Savings; Ray Eleid, Solucore Inc.; Booth # 1421

Sub-Metering in Condominiums, Rentals & Commercial Buildings; Darlene Davis & Scott Beneteau, Stratacon; Booth # 1823

Dry Ice Blasting; Roger White, Wickens Dry Ice Blasting; Booth # 1949

Bidding on MDB-Funded Infrastructure Contracts

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Winning a contract funded by one of these banks can be highly rewarding, but success is typically the result of a great deal of preparation and a clear understanding of process. Let EDC's Guide be your first step to a winning bid.

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