

THURSDAY, MAY 24

9:15 - 10:15am	Tech Session 1A Canadian Construction Economic Outlook Alex Carrick, Reed Construction Association	An overview forecast of the US and Canadian economies, then on to the implications for construction activity in Canada. The inflation and interest rate outlooks, as well as other leading indicators such as office vacancy rates, capacity utilization rates, commodity prices and the exchange rate, have impacts on the cyclical construction categories, which are residential, commercial and industrial. I'll also talk about institutional and engineering/civil work and their drivers, government spending and demographics. There will be an emphasis on regional variations in the outlook, with the west being relatively favoured versus the east at this time. The forecasts will be unit starts for residential; CanaData's construction starts for non-residential building and put-in-place investment figures for engineering and the grand total.
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9:15 - 10:15am	Tech Session 1B Advances in Concrete Construction Andy Vizer, P. Eng., Director of Engineering Western Region, Cement Assn of Canada	The presentation will discuss several areas where concrete materials and construction has seen recent changes and new developments. These areas include: <ul data-bbox="730 711 1856 883" style="list-style-type: none">• changes contained in the latest edition of the CSA Standard A23.1 and their impact on concrete production and construction.• developments in the use of self consolidation concrete in Canada.• concrete solutions in the sustainable design process.• concrete used in the design of energy efficient projects.
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<p>9:15 - 10:15am</p>	<p>Tech Session 1C Enhancing Value: Reducing Impact (Omicron's LEED-ci Gold Office Interior)</p> <p>Kevin Harvey B.Arch., MAIBC, AAA, MAA, LEED AP, Director of Sustainable Design - Omicron Group</p>	<p>Omicron was recently awarded LEED-ci (commercial interiors) GOLD from the United States Green Building Council, the first tenant improvement project in Canada to receive this prestigious level of environmental performance. Omicron aspired to create an attractive, healthy, functional work environment while exploring and – in some cases – subverting traditional paradigms of office fit-outs. In many respects, the Omicron tenant fit-out is unconventional when viewed in the context of traditional downtown (Vancouver), Class-A, office space. However, the degree to which staff, clients and visitors have embraced the space is a testament to the power of design to transform expectations and normative thinking in pursuit of worthy goals. A high level of environmental performance was achieved with a particular emphasis on a remarkably high percentage of materials with recycled content (rubber flooring made from used car tires), salvaged material (materials “harvested” from Omicron’s former office and reused in the new fit-out) and an unprecedented use of wood products certified by the Forestry Stewardship Council. Fully 99% of wood products employed in the Omicron fit-out came from certified, sustainably managed forests.</p>
<p>10:30 - 11:30am</p>	<p>Tech Session 2A Information Technology for the Construction Industry: The Next Generation</p> <p>Steve Sulphur VP Sales, Infinite Source Systems Corp</p>	<p>Online document management and project collaboration has been a topic of discussion in the AEC industry since the late 1990's. Find out where the industry is today. The applications and tools available today offer many opportunities for dramatic improvements in productivity in the office and on the construction site. This session will address document control systems that help improve the distribution, management and tracking of project documents and information as well as current technologies that allow you to access corporate and project information in a truly virtual fashion.</p>
<p>10:30 - 11:30am</p>	<p>Tech Session 2B Envelope Issues and Testing</p> <p>Kazamir L. Falconbridge Manager - Fenestration Products, Intertek Testing Services NA Ltd.</p>	<p>The presentation will discuss envelope issues and in particular trends in fenestration testing in Canada. This will include:</p> <ul style="list-style-type: none"> • Testing requirements. • Certification program developments. • On-site Testing related to fenestration products.

<p>10:30 - 11:30am</p>	<p>Tech Session 2C Reaching Beyond Green: Insights into Market Trends and Innovations in Sustainable Building Community</p> <p>Helen Goodland, MBA, RIBA, LEED AP, Executive Director Sustainable Building Centre</p>	<p>In this presentation, Helen will explore the emerging world of low carbon and how this will impact the construction community. Bringing lessons from leading edge work in the UK and around the world, Helen will demystify some of the new technologies hitting the streets and provide practical illustrations through project case studies. Of specific interest to specifiers, she will focus on the technologies at the point of integration with the building, pointing to lessons learned from the early adopters. She will also share top-line findings from the economic development activity currently underway at Light House and how it is shaping BC's emerging sustainable building sector.</p>
<p>1:30 - 2:30pm</p>	<p>Tech Session 3A Attraction Marketing – Maximizing Customer Service</p> <p>Carolyn Cooper- McQuatt, Principal - Inspired Business Development</p>	<p>If it's important, why aren't we doing a better job of it? Let's take another look at one the most critical skills needed for a successful and prosperous business. Everyone needs to re-focus on how they serve the customer. Start with a new perspective of people and get motivated to achieve. You'll leave this session with tools and skills to help you provide outstanding service to your customers and be a positive influence in your community. Your business reputation will soar when you gain an unparalleled competitive advantage through customer retention, referrals, and repeat business. This session will contribute to an unconditional commitment to exceptional service. You will receive the specific knowledge; skills and behaviors customers notice, appreciate and remember.</p>
<p>1:30 - 2:30pm</p>	<p>Tech Session 3B Advances in Roofing Technology and Testing</p> <p>Jim Watson, Technical Manager - Roofing Contractors Association of BC</p>	<p>In depth look at three Roofing Contractor Association of BC (RCABC) Research Projects:</p> <p>Asphalt Shingle Durability Study Joint study being carried out for RCABC by National Research Council Canada (NRC) to determine the long-term durability of common brands of Asphalt Shingle sold in Canada.</p> <p>Development of Canadian Standard for Adhesive Applied Roof Systems Overview of research by NRC in order to establish national standards for adhesive applied roof systems on low-sloped steel roof decks. At the present time there are no wind uplift standards for adhesive applied roof systems in North America.</p> <p>Electronic Monitoring of Water Ingress into Roofing Systems Joint research by RCABC and Levelton Engineering to develop wireless electronic monitoring to detect unintentional water ingress for roof systems with landscaping, over gymnasiums, computer rooms, etc.</p>

1:30 - 2:30pm	<p>Tech Session 3C Sustainability - The Times Have Changed</p> <p>Blair McCarry, P.Eng., PE, LEED Accredited Professional, ASHRAE Fellow - Stantec / Keen Engineering</p>	<ul style="list-style-type: none"> • The effects of public awareness of climate change and it's direct effect on the industry and practices. • Available green evaluation tools and performance targets. • New guidelines/requirements from local city / provincial / federal / state governments, agencies and public institutions
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3:00 - 4:00pm	<p>Tech Session 4A Making Time Matter - Strategies for Success</p> <p>Carolyn Cooper-McQuatt, Principal - Inspired Business Development</p>	<p>Do you find you have difficulty with organizing your day? Are you pestered by procrastination? Discover simple strategies that will improve your time management skills and create practical lasting changes. This presentation is designed to support a focus on priorities, tackle time wasters and improve your working day. This proven process will help you to focus on important aspects of your business and overcome procrastination. Find out what time means to you, where you suspend your success and how to add time to your day. Take your profession to the next level; improve your performance and reputation which will increase your bottom line.</p>
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3:00 - 4:00pm	<p>Tech Session 4B Cover it Right - Flooring Issues and Answers</p> <p>Scott Rust President BC Floor Covering Assoc.</p> <p>Robert Park Consultant SpecRite Technical Services</p>	<p>The presentation will discuss the "new" National Floor Covering Association of Canada floor covering reference manual - a more up-to-date technical guide on floor covering products and installation, including associated information relating to flooring.</p> <p>Other items of interest related to flooring include:</p> <ul style="list-style-type: none"> • Quality Assurance Program • Trade Qualifications / Qualified Installers • Guarantees and Warranties • Construction Bonds • Building Code Issues (including flammability, slip resistance, and acoustical issues) • Environmental Issues • Acceptable Conditions • Substrate Testing and Preparation including patching and filling • Adhesives and Fastenings
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3:00 - 4:00pm	<p>Tech Session 4C Green Roof Technology - Extensive Systems and Performance</p> <p>Maureen Connelly BCIT Centre for Advancement of Green Roof Technology (CAGRT)</p>	<p>The presentation will introduce green roof implementation through a survey of regional and global projects. The presentation will cover leading edge information on materials, design details, appropriate vegetation and implementation methods for intensive, semi-intensive and extensive green roofs designed for environmental solutions. The regionally-relevant information for green roofs is supported by the current research at BCIT's Centre for the Advancement of Green Roof Technology.</p>
4:00 - 5:00pm	<p>Tech Session 4D Point / Counterpoint - Legal Issues and Challenges</p> <p>Doug Sanders, P.Eng., Borden Ladner Gervais LLP Marina Prachett, QC, Fasken Martineau DuMoulin LLP</p>	<p>Ambiguities in Specifications:</p> <ul style="list-style-type: none"> • Common drafting errors. • Plain language vs technical requirements. • Use of the 'precedent' or 'generic' specification. <p>Conflicts in Contract Documents:</p> <ul style="list-style-type: none"> • How do various specifications and the general conditions match • Meaning of interpretation priority section of contract • Drawings vs specifications • Common rules of contract interpretation • Role of manufacturer's spec sheet. <p>Role of the Administrator/Consultant:</p> <ul style="list-style-type: none"> • Decisions taken by the Consultant. • Owner's agent vs neutral decision maker <p>Changes:</p> <ul style="list-style-type: none"> • Equivalencies, changes and extras, value engineering and other cost saving measures

FRIDAY, MAY 25

8:30 - 9:30am	<p>Tech Session 5A Public Private Partnerships – The 3P Concept</p> <p>Rick Steele Assistant Vice-President Partnerships BC</p>	<p>An overview of British Columbia’s public private partnership initiative. Mr. Steele will discuss the status of current projects and projects in development. He will also speak to how the challenges of an overheated construction market are being addressed in the partnership market. Partnerships BC brings together ministries, agencies and the business sector to structure and implement public private partnerships that serve the public interest. As a company registered under the Business Corporations Act, Partnerships BC is wholly-owned by the Province of British Columbia and reports through its shareholder: the Minister of Finance.</p>
8:30 - 9:30am	<p>Tech Session 5B Building Information Modeling (BIM)</p> <p>Steve Jones Senior Director, Business Development, McGraw-Hill Construction</p>	<p>What it is, how it’s impacting designers and why it will affect your business.</p>
8:30 - 9:30am	<p>Tech Session 5C A Strategic Perspective on Sustainable City Development</p> <p>Mark Holland Principal - Holland Barrs Planning Group</p>	<p>The scope of the lecture will include:</p> <ul style="list-style-type: none"> • A review of the core foundation perspectives of sustainable city development • A framework of 8 Pillars of a Sustainable City • A discussion of each of the Pillars, including some examples and innovative directions being taken by cities; • Strategic perspectives on moving forward on sustainable development and addressing climate change reduction strategies <p>Concluding comments.</p>

<p>9:45 - 10:45am</p>	<p>Tech Session 6A Tendering Law Fundamentals</p> <p>Chris Hirst Dave Garner Alexander Holburn Beaudin & Lang</p>	<p>Starting with the basic principles of tendering law, the presenters will bring you up to date on recent developments, including key developments in such issues as the duty of fairness, mistake and irrevocability, and material non-compliance. David Garner and Chris Hirst are partners within the Construction & Engineering group of the Vancouver law firm, Alexander Holburn.</p>
<p>9:45 - 10:45am</p>	<p>Tech Session 6B Sustainable Coatings vs LEED Requirements and Introduction to new MPI Manual</p> <p>Barry Law, Executive Director, Master Painters Institute</p>	<p>The presentation will include:</p> <ul style="list-style-type: none"> • Who MPI (Master Painters Institute) is. • Who uses MPI standards and technical information. • Development of standards for paint categories that provide both sustainability (higher performance categories) plus lower VOC's. • When LEED "looks the other way" (accent colour issues and exterior substrates). • How to use the MPI Architectural Painting Specification Manual (a comprehensive tool) effectively. • Problems that can occur when an improper paint system is specified. <p>Learning Objectives:</p> <p>Understand of the need for standards in the paint & coatings industry. (Quality control in products as well as coatings application).</p> <p>Understand the performance and environmental aspects of painting specification options.</p> <p>Establish a comfort level in using the MPI Architectural Painting Specification Manual to prevent "paint problems". (Assist in writing the Painting Spec.).</p>
<p>9:45 - 10:45am</p>	<p>Tech Session 6C Climate Change & The Future of Green Buildings in Canada</p> <p>Thomas Mueller President, Canadian Green Building Council</p>	<ul style="list-style-type: none"> • The environmental urgency around climate change challenges the building industry to adopt a more audacious path towards high performance buildings • How is the Canada Green Building Council responding to this challenge? What goals and strategies will it adopt to make meaningful, measurable progress at a much faster rate and significantly larger scale? <p>The Council's will share its new direction with regard to LEED in Canada, certification of buildings, building performance verification and measurement, and capacity building with partners in industry and government</p>

<p>11:00 - 12:00am</p>	<p>Tech Session 7A Emailing: An Emerging Risk in Construction Claims</p> <p>Al Morgan, P.Eng. GSC - Revay and Associates Limited.</p>	<p>"Historically construction has been a highly litigious business with a large document component involved in the claim preparation and dispute resolution process. In the past documents generally existed in a paper form but in today's world the majority of documents exist in electronic form as e-mail or as email attachments. E-mail is becoming a battleground and electronic discovery a hot topic. Unlike paper documents, e-mail is easily created and often treated as an informal communication. It becomes a treasure hunt for the smoking gun which each party seeks to use as an advantage over the other side in order to win a dispute. Every time you allow an employee to access your e-mail system it places the company assets, future and reputation at risk. This presentation will review the growth of e-mail, the risk it presents and the policies that all companies must now adopt to protect themselves"</p>
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<p>11:00 - 12:00am</p>	<p>Tech Session 7B Restoration of Historic Buildings</p> <p>John G. Cooke, P.Eng, RSW, Principal - John G. Cooke and Associates Ltd.</p>	<p>The topic will cover the Investigation, Planning, and Construction Phases of a Restoration Project from the perspective of a Restoration Consultant.</p>
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<p>11:00 - 12:00am</p>	<p>Tech Session 7C New Expectations: Achieving Carbon Neutral Buildings</p> <p>Dr. Ray Cole, Professor - UBC School of Architecture</p>	<p>Green design is currently premised on reducing the resource use and environmental impacts of buildings. However, increasing scientific evidence indicates that the realities of both climate change and peak oil will occur around 2020 – 2030, with the consequence that the next two decades will be a period of unprecedented environmental change. Despite the significant progress in green building practice to date, this changing context will likely translate into a greater expectation and demand for carbon neutral buildings. This presentation explores how the challenge of this new priority may directly and indirectly affect building design and construction.</p>
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2:00 -
4:30pm

Offsite Tours and Presentations:

Tour A - Vancouver Convention Centre Expansion Project

With its spectacular mountain views and waterfront location this project will become the jewel in the crown of an already spectacular waterfront city. Built over land and water on some 1,000 piles, the Vancouver Convention Centre Expansion Project is scheduled to be complete in late 2008. This project will include a six acre green roof, one of the largest of its kind in the world, floor-to-ceiling glass throughout, and a glass-walled connector that will link it to the existing Vancouver Convention Centre. Come join one of the project architects for a tour of the design processes and view this 1.1 million square foot addition to our waterfront.

Tour B - Shangri-La Hotel, Vancouver

Legendary Asian hospitality is coming to Vancouver. This unique project will be one of the first Shangri-La Hotels in North America. The hotel will occupy the first fifteen floors of this new 62-storey landmark building, making it the tallest building in Vancouver. We will be highlighting the architectural features built into the design and provided insight by the project architect and the general contractor currently designing and building the Shangri-La Hotel Vancouver.

Tour C - SFU Segal Graduate School of Business, Vancouver

Come join this tour and see a historical building retrofit of a 1916 temple bank building. This site is currently occupied and you will be able to see a magnificent interior retrofit that dates back to its original design complete with restored coffered ceilings. To complement its historic interior reception foyer the teaching and administration areas are state of the art. Come and see how new meets old. Join the architects and learn how they accomplished this spectacular historic retrofit.