

# Wood *WORKS!* E-Bulletin Branché sur le bois

The newsletter of the Wood *WORKS!* initiative / Le bulletin de l'initiative Branché sur le bois

03-01-2008  
Edition 09-01

## National

- **2010 Olympics Update**

Construction of the Olympic Oval is almost complete with a project completion date of Fall 2008. The wood structure being used for the oval has been completed. This innovative wood roof structure is one of the largest of its kind in the world. The construction stages of this structure have been filmed with the intent to create a documentary for public television stations. Wood *WORKS!* is in the process of looking for partners in promotion / television networks sector as well as continuing to monitor the project until completion. As well, Wood *WORKS!* plans to complete an in-depth case study of this structure in the fall.

Wood *WORKS!* has also worked closely with the architects and engineers involved with the other 2010 facilities: a Curling Rink and Nordic Center, and have been providing technical advice to the construction team which has ensured that wood solutions are used on all 2010 structures.

***Les Dernières nouvelles des Olympiques 2010 olympiques 2010***

*La construction de l'anneau olympique (Olympic Oval) dont la date d'achèvement est prévue pour l'automne 2008 tire à sa fin. La structure en bois utilisée pour l'anneau a été terminée. Cette structure de toit en bois innovatrice est l'une des plus grandes du genre au monde. Les étapes de construction de cette structure ont été filmées dans le but de créer un documentaire qui sera diffusé par les chaînes de télévision publiques. L'initiative Branché sur le BOIS! est à la recherche de partenaires dans le secteur de la promotion / réseaux de télévision tout en continuant à surveiller le projet jusqu'à son achèvement. Aussi, Branché sur le BOIS! entend terminer une étude de cas en profondeur de cette structure à l'automne.*

*Branché sur le BOIS! a aussi travaillé en étroite collaboration avec les architectes et les ingénieurs qui s'occupent de la construction des autres installations pour 2010 soit la piste de curling et le centre nordique et ont fourni des avis techniques à l'équipe de construction qui a veillé à ce que les solutions en bois soient retenues pour toutes les structures olympiques.*

- **Mid-rise Wood Building Study**

Discussions of the feasibility and practicality for the construction of wood structured buildings over 5 stories have taken place. Experts evaluated and identified details specific to this study and developed a plan of action during an expert forum and a research document has been completed. The next step of this project is the development of an actual prototype structure.

For more information on this study or to obtain research documents please contact Jennifer Duthie at: [jduthie@cwc.ca](mailto:jduthie@cwc.ca)

***Étude sur les immeubles de taille moyenne***

*Nous avons tenu des discussions au sujet de la faisabilité et de la valeur concrète de la construction de bâtiments à ossature de bois de plus de cinq étages. Des experts ont évalué et identifié des détails particuliers de cette étude et élaboré un plan d'action au cours d'un forum d'experts et un document de recherche a été préparé. La prochaine étape de ce projet est la conception du prototype de la structure.*

*Pour plus d'information sur cette étude ou pour obtenir des documents de*

**Wood *WORKS!* is a  
Canadian Wood Council  
initiative**

*Branché sur le bois est une  
initiative du Conseil canadien  
du bois*

## Feature Stories

---

[New Report: Expanding  
Market Demand for Canadian  
Wood Products](#)

---

[Wood \*WORKS!\* BC gets boost  
from Premier for code changes  
to allow 7-Story Mid-rise  
Wood Buildings in BC.](#)

## Upcoming Events

---

[Click Here!!!](#)

---

**Potential Wood Projects  
Pursued by Wood  
*WORKS!***

recherche veuillez communiquer avec Jennifer Duthie à : [jduthie@cw.ca](mailto:jduthie@cw.ca)

- **Solid Wood Wall Study**

Wood WORKS! supported a design and construction team in the development of conceptual schematics of a panelized solid wood wall structure for a typical office building. All structural assemblies including exterior walls, floors and roofs compose the massive wood wall system, similar to buildings already built in Europe. Driving factors behind this study is to assess viability, costing and feasibility of these assemblies. Also, with respect to sustainability -- wood acts as a carbon sink. Massive wood assemblies store large quantities of carbon for the lifetime of the building. No other material can make this claim and as such wood has proven time and again to be the superior building material for many factors. For more information on this study or to obtain research documents please contact Jennifer Duthie at: [jduthie@cw.ca](mailto:jduthie@cw.ca)

- **Étude de mur en bois massif**

*L'initiative Branché sur le BOIS! a appuyé une équipe de conception et de construction dans le développement d'un schéma conceptuel d'une structure en panneaux de mur en bois massif pour un immeuble à bureaux typique. Tous les assemblages structuraux, y compris les murs extérieurs, les planchers et les toits constituent le système constructif de mur en bois massif, semblable aux bâtiments déjà construits en Europe. Cette étude vise à évaluer les facteurs comme la viabilité, l'établissement du coût de revient et la faisabilité de ces structures. En ce qui a trait à la viabilité -- le bois agit comme un puits de carbone. Les assemblages de bois massif emmagasinent de grandes quantités de carbone pendant toute la durée de vie du bâtiment. Aucun autre matériau ne peut avoir cette prétention et à ce titre le bois demeure depuis toujours un matériau de construction supérieur à l'égard d'un grand nombre de facteurs.*

*Pour plus d'information sur cette étude ou pour obtenir des documents de recherche veuillez communiquer avec Jennifer Duthie à : [jduthie@cw.ca](mailto:jduthie@cw.ca)*

- **Wood WORKS! Supported Research Reports on the Sustainability File**

1. Detailed Analysis on the possible effects / impacts the USGBC LEED Building Rating System could have on the building sector
2. Review / assessment of the GBI Green Globes Building Rating System from a marketing perspective

Both reports made possible with the support of Natural Resources Canada.

**Branché sur le BOIS! Dossier des rapports de recherche sur la viabilité**

1. Analyse détaillée des effets / impacts possibles que le système USGBC LEED pourrait avoir sur le secteur du bâtiment.
2. Examen / évaluation du système d'évaluation des bâtiments écologiques d'un point de vue du marketing.

*Les deux rapports sont rendus possibles avec l'appui des Ressources naturelles Canada*

*For more information on the projects , please contact the provincial directors by clicking on the project's link.*

---

### **British Columbia:**

---

[Vancouver Convention Center Expansion Project](#)

---

[Surrey Olympic Training Center](#)

---

### **2010 Olympic Venues:**

---

[Olympic Speed Skating Oval, Richmond](#)

---

### **Alberta:**

---

[YMCA, Downtown Edmonton, AB](#)

---

### **Ontario:**

---

[Kitchener Library](#)

---

[Aylmer Fire Hall](#)

---

### **Quebec:**

---

[Tim Horton's](#)

---

## **British Columbia**

- **CWC AND WOOD WORKS! TAKING A PROACTIVE APPROACH IN REGARDS TO BC MID-RISE CODE CHANGES**

The BC Building Code is scheduled to change in April, allowing for wood frame construction, in buildings up to six stories. This is a significant achievement for the Canadian Wood Industry!

Wood WORKS! BC and the Canadian Wood Council technical teams are working closely with the BC Safety and Policy branch, providing on-going

---

## **Wood Links**

---

[Become a National Sponsor!](#)

---

guidance to assist in implementation of the code. The code experts of the Canadian Wood Council and FPInnovations (Forintek division) are also networking with various Professional and Regulatory bodies to ensure that the numerous code and engineering issues raised are effectively and promptly addressed. Following the announcement of the code change, there have been a number of stories in the press, both positive and negative, therefore the technical teams are working closely with the Safety and Policy Branch in order to supply information to the Public Affairs department. In turn, Public Affairs distributes this information to the press.

As well, Wood *WORKS!* BC regularly supplies stories and information to a BC wire press service, outlining the measures taken to ensure that specifiers and the general public are aware of opportunities for education and training in wood design. Wood *WORKS!* is also developing a strategic plan to proactively combat negative feedback from the concrete and steel industry, as the code changes are implemented. To increase awareness about Mid-Rise construction, BC Wood *WORKS!* will host several events in 2009 to educate BC designers and builders about the techniques and code changes associated to Mid-rise buildings.

Wood *WORKS!* is in the final stages of developing a section of the Wood *WORKS!* website dedicated to information and education on wood use in mid-rise construction. This webpage will contain information about mid-rise construction in other jurisdictions, aids for designing with wood and other pertinent information. Information about this web page will be distributed to the architects, engineers and building officials associations.

Wood *WORKS!* and the Canadian Wood Council have also been working with BC Housing Authority in regards to design and construction of a prototype building. Mid-Rise wood construction is providing new opportunities for our industry to showcase its sustainable products and CWC and Wood *WORKS!* remain fully engaged to supporting code changes that will benefit the Canadian Wood Industry.

- **5th ANNUAL WOOD DESIGN AWARDS- BANNER YEAR FOR NOMINATIONS**

Nominations are now closed for the 2009 Wood Design Awards competition. With close to 100 nominations in twelve categories, this is a banner year for the number of project submitted. The caliber of projects is consistently high and will be both a delight and a challenge for the jury to work with.

Award recipients will be announced at the Awards Gala being held at the Fairmont Waterfront in Vancouver on Monday March 9. The evening will begin with a reception (no host bar) at 5:30 pm, followed by dinner at 6:30 pm and the award presentations. Tickets are available for \$100 per person and may be purchased by contacting event coordinator Lorna Malone at 1-877-929-9663 ext 4.

We wish to thank the following sponsors for making this event possible.

**Event Sponsors – Forestry Innovation Investment and Natural Resources Canada**

**Award Sponsors - BC Wood, Broadleaf Logistics, Canfor, Coast Forest Products Association, Council of Forest Industries, Gorman Bros. , Structurlam, Tembec, Western Archrib, Western Red Cedar Lumber Association, Weyerhaeuser**

**Bronze Sponsors – Mill and Timber and Sustainable Forestry Initiative**

- **Wood Solutions Fair 2009**

The Vancouver Wood Solutions Fair, 2009 will be held at the Vancouver Convention and Exhibition Centre on Wednesday, March 18. A full day of

educational programming is planned.

The preliminary program includes the following presentations. In architectural design there are presentations on Christ the Light Cathedral in California, the Art Gallery of Ontario, Richmond Oval, BC Wood Design Awards 2008, Timber Frame Construction, and Sustainability – Thinking like Cathedral Builders.

For those wanting more information on proposed changes in the BC Building Code to permit non-combustible construction to 6 storeys, the program will include a panel discussion and guest speakers from jurisdictions where 5-8 storeys have been built.

In design and constructions the program includes presentations on Lateral Design for Wood Buildings: Design Principles and Loads, Project Costing, 3D Modeling, Roof and Floor Trusses in the 21st Century, and Western Red Cedar Lumber.

Thank you to FP Innovations for their Gold Sponsorship and the Western Red Cedar Lumber Association for their Silver Sponsorship of the Canadian Wood Solution Fairs 2009.

Exhibitors wishing to participate, contact event coordinator Lorna Malone at [lmalone@wood-works.ca](mailto:lmalone@wood-works.ca).

For the full program schedule, program outline and on-line registration visit Vancouver – March 18 at [www.wood-solutionsfair.com](http://www.wood-solutionsfair.com)

- **Eleven Entries for the 2009 Wood Catapult Competition**

This year the third annual Wood Catapult Competition will again take place at the UBC Campus in Vancouver on March 28, 2009. Mark this date on your calendar. This year there are eleven teams entered. The field trials held in the afternoon are a great activity to watch. This year's event will be held on the Whit-Matthews field adjacent to FP Innovations. Parking is available beside the field.

The purpose of the competition is to challenge registered college / university students to design and build a wood siege engine capable of accurately hitting targets at 20, 30 and 50 meters using a cement ball. Teams consisting of students and one faculty member submit a short report prior to the competition about their design. On the morning of the competition each team will be required to give a fifteen-minute presentation to the judges, after their weigh-in and set up. In the afternoon, timed performance trials and distance trials will determine the winners and prizes will be awarded to the top three teams (\$1500, \$1000 and \$500 respectively) as well as prizes for Best Presentation, Maximum Distance and Aesthetics/Spirit.

We wish to thank the following associations for their sponsorship of the event providing the prize money for the recipients – Applied Science Technologists of BC, Association of Professional Engineers of BC and the Architectural Institute of BC.

For further information see our website at [www.wood-works.ca](http://www.wood-works.ca) (BC Wood WORKS!/Competitions).

- **Upcoming – Workshops and other events**

Feb 11 -- Stantec - Kamloops

Feb 11 -- Canadian Home Builders Association – Kamloops

Feb -12 -- Bogdonor Poa Structural Engineers

Feb 12 -- Buildex

Feb 13 -- CEI Architecture

Feb 24 -- Urban Development Institute, Vancouver

Feb 25 -- Nanaimo and Victoria presentations

## Alberta

- On January 20 in **collaboration with MADE, Wood WORKS! sponsored** Michael Green from MGB Architects to deliver his message in building in a cold climate. The work shop was attended by approx 70 industry professionals.
- January 21, 22 the Alberta TA's were in **Calgary to deliver two lunch and learns** with BCMP Architects (16 attendees) and BRZ Architects (8 attendees) both were received well. BRZ asked us to directly help them with issues in wood design for an upcoming project.
- **Wood WORKS! is reaching out to Saskatchewan!** Staff will be attending Saskatchewan Urban Municipalities Association (SUMA) Feb 2-3, 2009 and hosting a Lunch & Learn, February 3, for local Architects, Engineers, and the Saskatchewan design community.
- **“Practical Aspects of Wood Quality for Architects and & Engineers” Workshop** being held in Edmonton, February 17 & Calgary, February 19, 2009. Les Jozsa will also be speaking to architecture students at the Southern Alberta Institute of Technology, Feb 18th, 2009. • Mark your calendars for Edmonton BuildEx, at the Shaw Convention Centre, March 17 & 18, 2009.
- **Wood WORKS! Alberta presents the 3rd Awards Gala**, April 23, 2009. This will be held at Snow Valley Lodge, Edmonton. Nominations are now being accepted. Nomination Deadline March 27, 2009.
- **“Wood Solutions Fair”** to be held at the Mayfield Inn, Edmonton, April 8, 2009 • Contact for any of the events can be directed to Juanita Bobbitt [jbobbitt@wood-works.ca](mailto:jbobbitt@wood-works.ca) 780-489-5900. [jbobbitt@wood-works.ca](mailto:jbobbitt@wood-works.ca) or by calling 780-489-5900

## Ontario

- **Think North Summit, Thunder Bay, (January 7)**  
For a complete [buhler@wood-works.ca](mailto:buhler@wood-works.ca)
- **Wood WORKS! North American Directors Meeting, California (January 19)**
- **International Builders Show, Nevada (January 22 – 23)**  
Participated with CWC booth and obtained 3 project leads.
- **In-Office Presentation to Architectural Firm, Toronto (January)** Lunch and Learn presentation to MacLennan Jaunkalns Miller Architects (6 participants).
- **Ontario Wood Truss Fabricators Association AGM, Toronto (January 29)** Presentation delivered to 80 attendees/ designers / truss industry personnel included an update on Wood WORKS! initiatives for the past year and coming events.
- **Ontario Wood WORKS! 3-Year Growth Plan**  
After consultation with industry, government, designers, users and other partners, Ontario Wood WORKS! has published a 3 year Growth plan taking the project to 2012. Please contact Marianne Berube ( [maberube@wood-works.ca](mailto:maberube@wood-works.ca) ) to request a copy of the plan.
- **2009 Student Wood Product Design Competition Launched**  
Faculty Advisor Registrations are now being accepted for the 2009 Student Wood Product Design Competition. If you teach an architectural, engineering or forestry related course at an accredited Ontario College or University and would like your students to participate in the 2009 contest, please email Sarah Hicks ( [shicks@cw.ca](mailto:shicks@cw.ca) ) or call 1-8666-886-2574 ext.

- **Upcoming ....**

Wood Design Luncheon Conferences (February 25 – 26) Join us for a day of continuing wood education in Sudbury on February 25 or Winnipeg on February 26. Contact Tim Buhler [tbuhler@wood-works.ca](mailto:tbuhler@wood-works.ca) to register. Both sessions are free for pre-registered guests.

## Québec

- **Cecobois.com Online**

The Cecobois, (Centre d'expertise sur la construction commerciale en bois) website has just been launched online. Internet users can now access sections dealing with wood advantages, wood applications and properties, wood and the building code and wood and the environment. They will also find an inventory of projects, manuals and publications, lists of manufacturers and suppliers, a lexicon, design tools, examples of plans and specifications, as well as news and events to come. Your comments will be appreciated. Have a good visit at [www.cecobois.com](http://www.cecobois.com)

***Cecobois.com en ligne***

*Le site Internet de cecobois, le Centre d'expertise sur la construction commerciale en bois, est maintenant en ligne. Les internautes peuvent y consulter des sections portant sur les avantages du bois, le bois et ses applications, le bois et ses propriétés, le bois et le Code du bâtiment et le bois et l'environnement. On y trouve également un répertoire de projets, des manuels et des publications, des listes de fabricants et de fournisseurs, un lexique, des outils de calcul, des plans et devis types ainsi que des nouvelles et les événements à venir. Vos commentaires sont appréciés. Bonne visite sur [www.cecobois.com](http://www.cecobois.com)*

- **Technical Guides in Production**

The Cecobois team has created two technical guides that will soon be available online at [www.cecobois.com](http://www.cecobois.com) They deal with I-beams and open web beams. Two other guides in production will deal with roof trusses and engineered wood posts and beams. These guides will help engineers and architects designing buildings with wood.

***Guides techniques en production***

*The L'équipe de cecobois a rédigé deux guides techniques qui pourront bientôt être consultés sur [www.cecobois.com](http://www.cecobois.com) Les sujets traités sont les poutrelles en I et les poutrelles ajourées. Deux autres guides sont en rédaction qui porteront sur les fermes de toit et les poutres et colonnes en bois d'ingénierie. L'objectif des guides est d'aider les ingénieurs et les architectes dans la conception de bâtiments utilisant le bois.*

- **Courses for Engineers**

Cecobois will organize two courses on the design of wood frames during winter 2009. These courses will deal with light wood framing (one day) and posts and beams framing (one day) of multiple stories buildings. These courses are based on real designs made in Quebec and in Ontario in accordance with the National Building Code 2005 and the CSA 086 Design Standard.

***Formations pour ingénieurs***

*Cecobois offrira deux formations sur la conception des charpentes en bois à l'hiver 2009. Les formations traiteront de la conception en ossature légère (une journée) et de la conception en poutres et poteaux (une journée) de bâtiments multi-étagés. Les formations seront basées sur des conceptions réelles faites au Québec et en Ontario conformément au Code national du bâtiment 2005 et la norme de calcul CSA 086.*

**Wood WORKS!** would like to thank its project partners.  
*Branché sur le bois remercie ses partenaires.*

The Wood WORKS! project is a national, industry-led initiative, spearheaded by the Canadian Wood Council, to promote the use of wood in commercial, industrial and institutional construction.

The Wood WORKS! E-Bulletin is our method to communicate to you the many activities, accomplishments and successes of the initiative throughout the past month, as well as upcoming projects and events we are currently working on.

*Le projet Branché sur le bois est une initiative nationale, lancée par l'industrie et menée par le Conseil canadien du bois, afin de promouvoir l'utilisation du bois dans la construction commerciale, industrielle et institutionnelle. Le Bulletin Branché sur le bois s'avère notre méthode de communication pour vous informer des activités, résultats et succès du projet au cours du mois, en plus de vous mettre au courant des événements à venir.*

---

If you encounter any problems receiving or viewing this bulletin, please contact [Wood WORKS!](#)

To unsubscribe, simply reply to this email with the word "remove" in the subject line.

*Si vous éprouvez des difficultés techniques avec ce bulletin, veuillez contacter [Branché sur le bois](#)*

**For more information on Wood WORKS!, please visit our website [www.wood-works.org](http://www.wood-works.org)**  
***Pour de plus amples renseignements, veuillez visiter notre site Web [www.wood-works.org](http://www.wood-works.org)***