

1st Annual NEWBuildS Workshop - January 17th, 2011

Radisson Hotel Vancouver Airport
8181, Cambie Road, Richmond, BC

Program

- 8:25 – 8:30 am **I: Welcoming remarks:** [Lynn Embury-Williams, Chair of Board of Directors](#)
- 8:30 – 8:45 am **II: Overview of NEWBuildS:** [Professor Y. H. Chui, Scientific Director](#)
- 8:45 – 10:00 am **III: Keynote address: LifeCycle Tower, CREE**
[Mr. Harald Professner, Rhomberg Bau, Austria](#)
- 10:00 – 10:15 am **Coffee break**
- 10:15 am IV: Carbon Footprint of Wood Construction - Moderator: Y.H. Chui**
- 10:15 – 10:30 am T4-1-C0 ‘Environmental Performance of Innovative Wood Building Systems using Life-Cycle Analysis’
[Sylvie Alain, Université Laval](#)
- 10:30 am V: Cross Laminated Timber Construction – Moderator: F. Lam**
- 10:30 – 10:45 am T1-6-C1 ‘Influence of Manufacturing Parameters on CLT Plate to Resist Out-of-plane Loading’
[Yue Chen, University of British Columbia](#)
- 10:45 – 11:00 am T3-3-C7 ‘Fire Behaviour of Cross Laminated Timber Panels’
[Marc Aguanno, Carleton University](#)
- 11:00 – 11:15 am T4-5-C10 ‘Developing durable building envelope assemblies for CLT construction’
[Victoria Ruth McClung, Ryerson University](#)
[Robert Lepage, University of Waterloo](#)
- 11:15 am VI: Light Wood Frame Construction – Moderator: C. Lum**
- 11:15 - 11:30 pm T2-5-C2 ‘Predicting Lateral Drift and Natural Period of Mid-rise Wood and Hybrid Buildings’
[Nidaa Alwan, University of Ottawa](#)
- 11:30 - 11:45 pm T2-8-C4 ‘Development of Hybrid Bracing Solutions for Light-wood Frame Buildings’
[Dr. Andi Asiz, University of New Brunswick](#)
- 11:45 am–12:00 pm T2-9-C6 ‘Structural Response of Mid-rise Hybrid Building System Consisting of a Light Wood Frame Structure and Stiff Core’
[Lina Zhou, University of New Brunswick](#)
- 12:00 – 12:15 pm T2-13-C3 ‘Experimental Solutions for alternative bracing systems in light-wood frame buildings’
[Abdullah Al Mamun, University of Ottawa](#)

NSERC Strategic Network on Innovative Wood Products and Building Systems (NEWBuildS)

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12:15 – 1:00 pm	Lunch
1:00 pm	VII: Wood Hybrid Construction – Moderator: Professor I. Smith
1:00 - 1:15 pm	T2-1-C4 ‘Techniques for forming multi-functional construction interfaces in hybrid-buildings’ Dr. Jan Weckendorf, University of New Brunswick
1:15 - 1:30 pm	T2-2-C4 ‘Niche for and feasibility of RC-frame multi-material mid-rise hybrid systems’ Jeff Blaylock, University of Western Ontario
1:30 - 1:45 pm	T2-3-C4 ‘Steel-Wood Based Mid-Rise Hybrid Systems’ Carla Dickof & Caroline Villiard, University of British Columbia
1:45 - 2:00 pm	T2-4-C3 ‘Innovative Post-tension Composite Systems for Long-span Floor Construction’ Chao Zhang, University of Toronto
2:00 - 2:15 pm	T2-10-C6 ‘Movements and Deformation Incompatibilities of Materials in Timber Heavy-frame Hybrid Non-residential Buildings’ Henry Meleki, University of New Brunswick
2:15 pm	VIII: Durable Wood Construction – Moderator: P. Cooper
2:15 – 2:30 pm	T4-2-C10 ‘Characterizing wind-driven rain load and the effectiveness of overhand on reducing wind driven rain wetting for mid rise buildings’ Professor Hua Ge, Ryerson University
2:30 – 2:45 pm	T4-4-C11 ‘Borate Pretreatments to Protect Building Envelope Components from Decay and Mould Associated with Water Ingress or Condensation’ Md. Nazmus Saadat, University of Toronto
2:45 – 3:00 pm	Coffee break
3:00 pm	IX: Fire Safe Wood Construction – Moderator: G. Hadjisophocleous
3:00 – 3:15 pm	T3-1-C7 ‘Fire Risk Analysis’ Xiao Li, Carleton University
3:15 – 3:30 pm	T3-2-C9 ‘Rationalization of Life Safety - Code Requirements for Mid-rise Buildings’ Michael Kruszelnicki, Carleton University
3:30 – 3:45 pm	T3-4-C5 ‘Fire Performance of Timber Connections’ Sabah Ali, Carleton University
3:45 – 4:00 pm	Shivanand R. Wasan, Carleton University
4:00 – 4:15 pm	T4-3-C11 ‘Intumescent Coatings to protect Engineered Wood products’ Professor Ahmed Koubaa, Université du Québec en Abitibi-Témiscamingue

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4:15 pm

X: Product development – Moderator: B. Knudson
(Projects funded under NSERC CRD Program)

4:15 – 4:30 pm

Forest Products Stochastic Modeling Group
[Prof. Jim. Zidek, University of British Columbia](#)

4:30 – 4:45 pm

Conception de produits d'apparence en bois pour la construction non
résidentiel dans une approche de développement durable
[Prof. Robert Beaugard, Université Laval](#)

4:45 – 5:00 pm

Natural Fibre-Reinforced Sandwich Structural Panels for Building
Application
[Prof. Denis Rodrigue, Université Laval](#)