



Mid-rise light-frame wood construction - Overview of FPIInnovations mid-rise.

Moderator(s): Mario Angelucci

DATE: Monday, October 5th, 2015 TIME: 1:40 pm

LOCATION: Grand Ballroom West

GUEST SPEAKERS: Mr. Kenneth Koo - FPIInnovations , Dr. Mohammad Mohammad - FPIInnovations

DESCRIPTION: Mid-rise light-frame wood construction: An overview of FPIInnovations new mid-rise.

Dr. Mohammad Mohammad, R&D Leader, NRCan's, Kenneth Koo, P. Eng, P.E., NSERC Strategic Network Liaison Manager - FPIInnovations. The presentation is focused on new mid-rise light-frame wood provisions with emphasis on FPIInnovations new Mid-rise Guide. The Guide is multi-disciplinary involving a broad range of industry, research & design experts. Guide aims at providing guidelines for properly designing and detailing light-wood frame construction in agreement with provincial and national code provisions.

BIOGRAPHY: Mr. Kenneth Koo, Industry Advisor

Seasoned engineering manager/director with expertise in applying leading edge technology to engineering, manufacturing process and products. Experienced in leading and working with cross functional departments with mandate to develop new products and new applications, increase product performance with goal to reduce cost. Excellent credentials and reputation with ability to work in fastpaced and multi-tasking environment with multiple stake holders.

Highlights & Achievement:

- Over 33 years of professional engineering practice in Canada and US
- 30 years of senior management level capacity with skill sets of working with various departments such as finance, sales/marketing, purchasing, logistics, manufacturing, IT & application software development
- Managed and staffed technical team of 9 engineers & 13 designers in 5 Canadian and US offices
- Managed Operating Budget (internal expenses & external costs/contracts) and consistently meet or below budget
- Managed QC/QA with Quality Assurance Agencies for 6 mills/plants
- Re-aligned and tested all products to ensure product performance will remain as industry leader

- Worked with IT Group & developed web-based
- Technical Library all legacy and current reports are available to all offices, sales/marketing and customers
- QA Software - real time tracking, monitoring and managing QA results from various production locations
- Representing Company and Industry at various Canadian regional, provincial and national meeting as well as International presentations in China, Mexico, New Zealand, Taiwan at invitation of Canada
- Wood and NRCan (Natural Resources Canada)
- Active member of Engineering Design Standards in Canada (CSA) & US (ASTM)
- Designated Company Representative in Trade Association; APA, FPIInnovation, WIJMA, TPIC
- Invented and received US Patent 5,592,800 on engineered products
- ASCE & CSCE published technical articles; co-authored with UT, U Windsor researchers
- Received award from NRCan on NEAT Home; Advanced House project

BIOGRAPHY: Dr. Mohammad Mohammad , Research Leader of FPIInnovations
 Since 2001, Mohammad has been working as a research scientist and a Research Leader at FPIInnovations. Prior to that, he worked at the Civil Engineering Department of the Royal Military College of Canada (RMC) as a research associate mainly on timber connections. Mohammad graduated from the University of New Brunswick with a PhD degree in Timber Engineering in 1996.

Currently, Mohammad is leading R&D activities under NRCan's Tall Wood Buildings Demo project and continues to be involved in several research projects dealing with the performance of connections and innovative wood-based systems in mid-rise wood construction, including CLT at FPI. Mohammad is the lead author and co-lead author of certain chapters/sections of the CLT handbooks and FPI's Tall Wood Buildings Guide. He also chairs the CSA O86 Task Group on CLT and is a member of the Fastenings Subcommittee of the Canadian Timber Design Standard CSA O86.