Wood Innovation and Design Center

A 98-Foot Tall North American Wood Research Facility From a Tenant Perspective

Chicago, Nov 6th by Dr. Guido Wimmers

Disclaimer: This presentation was developed by a third party and is not funded by WoodWorks or the Softwood Lumber Board.
Austria House in Whistler 2010
1st Building in Canada using DDT (Diagonally Dowelled Timber)
Diagonally Doweled Timber [DDT]
1st Building in Canada using CLT (Cross Laminated Timber)
1\textsuperscript{st} Passive House in Canada
The Austria House stands for a new generation of energy efficient, thermally comfortable and innovative prefabricated wood buildings.
Taller wood buildings
Wood Innovation Design Center (WIDC)

Prince George, BC
Wood Innovation Design Center

CLT

Glue Lam

LVL
CLT core, Glue Lam beams, CLT floor panels
Structural system
CLT core
Steel connections
LVL façade post
LVL stair
CLT to CLT connection
CLT to CLT connection
Steel connections
State of the art learning and research facility
Master of Engineering in Integrated Wood Design
Master of Engineering in Integrated Wood Design

- 12 months intensive program (3 semester)
- Faculty with Local and International Experts:
  - Wood Science and Materials
  - Structural Design and Connections
  - Seismic Design
  - Sustainable Design
  - Prefabrication
  - Acoustics
  - Composites
Master of Engineering in Integrated Wood Design

Our Graduates will:

- Have an in-depth knowledge of wood;
- Appreciate wood as a structural and architectural component;
- Understand integrated design;
- Understand sustainable, durable and healthy building practices;
- Have a passion for advanced engineering, passive house and wood!
Master of Engineering in Integrated Wood Design

- Faculty with leading experts from various continents
- World class specialists guest lecturers (3 per year)
- Up to date research facility focussing on:
  - Tall wood structures
  - Envelope design
  - Energy efficiency
- Supporting policy makers
THANK YOU