



Mass Timber Building Construction: Key Needs in Research and Teaching

<https://research.thinkwood.com/en/permalink/catalogue2340>

Organization: University of Ottawa

Research Status: In Progress

Notes: Project contact is Ghasan Doudak at University of Ottawa

Summary:

The University of Ottawa intends to identify key needs in research and teaching and fill knowledge gaps. They will identify and train highly qualified personnel for future projects, identify resources required to complete these projects, and compile a list of potential partners with whom the university can collaborate. Research and teaching strategies, which have been focused on the behaviour of wood and wood-hybrid structures in mid- and high-rise buildings, will be developed. A detailed literature review spanning North America, Europe, and Japan will be conducted to determine the current state of manufacturing and technologies that can be used in the construction of mass timber buildings and identify research areas where systems can be developed and improved, with a focus on systems that would resist extreme seismic, wind, and blast loads.