



## Advanced Topics in Seismic Analysis and Design of Mid-Rise Wood-Frame Structures

<https://research.thinkwood.com/en/permalink/catalogue1773>

Author: Ni, Chun  
 Popovski, Marjan  
 Wang, Jasmine  
 Karacabeyli, Erol

Year of Publication: 2016

Country of Publication: Austria

Format: Conference Paper

Material: Light Frame (Lumber+Panels)

Application: Wood Building Systems

Topic: Design and Systems

Keywords: Mid-Rise  
 Dynamic Analysis  
 Deflection  
 Diaphragm  
 National Building Code of Canada  
 Capacity-Based Design

Language: English

Conference: World Conference on Timber Engineering

Research Status: Complete

Notes: August 22-25, 2016, Vienna, Austria  
 p. 5343-5351

### Summary:

The following topics in the field of seismic analysis and design of mid-rise (5- and 6-storey) wood-frame buildings are included in this paper: Determination of the building period, linear dynamic analysis of wood-frame structures, deflections of stacked multi-storey shearwalls, diaphragm classification, capacity-based design for woodframe...

Online Access: Free

### Resource Link

<http://hdl.handle.net/20.500.12708/172> ↗