

Development of energy saving house utilizing local forest resources

(Associate Prof. Shinya MATSUMOTO, matsumoto@hiro.kindai.ac.jp)

Research Area

1. Hinoki is one of the excellent forest resources in Japan.
2. Study on effective utilization of untreated timber hinoki material.
3. Development of temporary housing construction method with hinoki walls and verification of various performances.



Panel shearing test



Temporary housing
construction method

Recent Activities

- S. Matsumoto, S. Mitsui, T. Ohkubo, Study on Timber Framed Joints using Drift Pins and UV-hardening FRP, WCTE 2014, pp.97-98, 2014
- S. Matsumoto, H. Okamoto, M. Takemoto, M. Sato, Development of Assembling Large Cross-section Timber Joint System by High Ductility Wood Frame Structure, WCTE 2016, 2016