Job Title:	Post Doctoral Scholar
Department	Wood Science and Engineering
Appointment Type	Academic Teaching/Research Faculty
Job Location	Corvallis
Position Appointment Percent	100%
Appointment Basis	12
Faculty Status	Post-doc
Tenure Status	Fixed-term
Pay Method	Salary

Post Doc Job Description

This position will work as part of a team on several mass timber engineering projects with Dr. Arijit Sinha
This position will assist with research projects that are investigating and characterizing mass timber products and connection systems under various adverse conditions

Decision Making Guidelines:
Incumbent will make decisions about the proper selection of testing methods, instrumentation plans, analysis and statistical tools, synthesis of results into meaningful tables, figures, and summaries and decisions about which elements of the analyses contribute to the advance of the science and what can be published. Daily activity decisions, both routine and non-typical, will be made to determine what analyses need to be staged, and what needs to be accomplished to meet study objectives and deliverables in a timely manner. Will regularly communicate with supervisor to update progress and review findings.

Position Duties:
60% – Participate is in research and testing of mass timber products and connection systems. Data collection, engineering analysis, model development to use existing data to answer researchable questions. Analysis and interpretation of data and simulation results; focus on approaches to present complex model results to varied audiences (e.g., scientists, resource managers, policy makers) in a meaningful format.

25% – Preparation of written results into publishable format, and submission to peer reviewed journals. Presentation of results at scientific conferences and/or meetings.

15%- Professional Development: Attend conferences relevant to the field such as Mass timber Conference and workshop on research and teaching. Work with the mentor to get trained on successful transition to next stage of academic career.

Requires a PhD in Civil Engineering or Wood Science with a focus on timber mechanics

Minimum Qualifications:

- PhD in Civil Engineering or Wood Science
- Computing skills such as Matlab, statistical software, ANSYS (or similar FEA softwares)
- Professional competence in planning, designing, executing, and coordinating research
- Demonstrated proficiency for independently writing scientific publications for submittal to peer-reviewed journals.
- Strong communication skills that allows for working effectively as a member of a large research team.

Preferred (Special) Qualifications:

- Previous research with mass timber and connections.
- Lead-author on publications involving laboratory testing methods and analysis
- Experience with finite element models.
- A demonstrable commitment to promoting and enhancing diversity.

To Apply: Send CV/Resume with letter of interest detailing your qualifications.
Contact – Arijit.Sinha@oregonstate.edu