



NORTHERN ARIZONA
UNIVERSITY

College of Engineering, Forestry & Natural Sciences

School of Forestry

Graduate Research Assistantship (PhD) in wood quality modeling and wood utilization at Northern Arizona University

A PhD assistantship is available in the School of Forestry, Northern Arizona University, Flagstaff, AZ, conducting a comprehensive wood quality and utilization assessment in support of landscape-scale forest restoration activity in the region. The project will focus on the physical and mechanical properties of wood from ponderosa pine and mixed conifer stands designated for restoration thinning treatments. Since efficient wood utilization is an essential component of forest restoration activities, detailed information is needed about the variability in end-use properties of the wood that will be harvested. The selected student will conduct extensive field sampling in the region and develop statistical models for predicting the variation in key wood properties at different spatial scales. The models will be linked with the Forest Vegetation Simulator (FVS) and climate data to predict wood properties under different silviculture-climate scenarios. The position includes a stipend of up to \$27,500 (depending on experience), plus tuition waiver and health insurance for 4 years.

To apply, please contact Dr. David Auty (David.Auty@nau.edu), enclosing:

- A short letter clearly stating experience, qualifications and research interests
- A current CV or resume
- Copies (unofficial) of undergraduate college transcripts
- Name and contact details (telephone and email) of three professional referees

Candidates should have a graduate degree (MS) in wood science, forestry, engineering, or related fields. Applications from highly motivated individuals with excellent written and oral communication skills and with demonstrable research experience will be preferred. **The preferred start date is fall 2015, although a spring 2016 start will be considered. Applications should be submitted by July 31, 2015.**

Information about NAU's graduate program, including eligibility requirements, is available at <http://nau.edu/CEFNS/Forestry/Degrees/>.

Contact:

Dr. David Auty

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School of Forestry

Northern Arizona University

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