

Master thesis in wood technology?



We are an innovative and international team that works with:

- **Wood protection**
- **Fireprotection**
- **Wood properties**
- **Wood anatomy**
- **Natural durability of wood**
- **Service life**
- **Life cycle assessments**
- **Bioenergy**

On July 1st 2015, the Norwegian Institute of Bioeconomy Research-NIBIO (*Norsk institutt for bioøkonomi*) is going to be established by merging of Bioforsk, Norwegian Forest and Landscape Institute and Norwegian Agricultural Economics Research Institute.

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Landscape Institute

Examples for available master thesis projects in the section Wood technology

- **Electro Pulse technology**

EP technology is a new innovative technique that uses running current through wood to protect the material from the attack of decay fungi. Even though the technology has been proved effective in the laboratory tests the mechanism behind this treatment is yet unknown.

Therefore the aim of this current project is to map the ion transport in wood when an external electric field is applied. The student will work with the EP technology and test different set ups to discover if and how creating various pulse patterns in varying electric field influences ion movement.

- **The effect of weatherability and leaching on fire retardant wooden products**

Fire retardants are often based on ammonium phosphate impregnation or surface coating of a fire protective paint.

In this study, the effect of weathering and leaching of these product before fire testing will be evaluated. Samples from different wood species will be painted or impregnated, leached/weathered and fire tested in a cone calorimeter.

Instruments used: impregnation lab, element analyzer, artificial weathering and cone calorimeter.

All master theses must be written in English, and a publication of the results is expected.

Are you interested in a master thesis at our section?

Contact us:

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