

# Erasmus Internship Opportunity – Ligno-CORE Project

Luleå University of Technology (LTU), Sweden  
Autumn Semester (August–December, 5 months)

We are looking for Erasmus students to join the Ligno-CORE project at LTU. The project focuses on the development and evaluation of lignin-based reagents for mineral froth flotation.

## Internship Tasks

- Production of lignin nanoparticles
- Characterization (zeta potential, SEM, HPLC)
- Evaluation as flotation reagents using Hallimond tubes

## You Will Gain Experience In

- Lignocellulosic biomass fractionation (organosolv pretreatment)
- Lignin isolation
- Industrial applications (hydrolysis, fermentation, etc.)
- Advanced laboratory techniques (XRD, XRF, FTIR, SEM, HPLC)

## Requirements

- Bachelor's or Master's student in Mineral Processing, Chemical Engineering, Chemistry, or related field
- Laboratory experience preferred
- Availability for 5 months (August–December)
- English level B2

## Location

The internship takes place in Luleå, Northern Sweden, offering beautiful nature and the possibility to experience the Northern Lights.

## Optional Private Accommodation

There may be the possibility to arrange private accommodation directly with the project supervisor at reduced rent during the internship period. The house may be shared with another intern. Light responsibilities such as daily feeding of two cats would be expected.

This accommodation is entirely optional, based on a separate private agreement, and independent of Luleå University of Technology.

For more information: [katerina.hruzova@ltu.se](mailto:katerina.hruzova@ltu.se)

**Application deadline: 19th of April 2026**