

Open Seminar at Karlstad University
Seminar Series Organized by the Department of Engineering and Chemical Sciences
Autumn Semester 2017

Professor Gunnar Henriksson

Chemical Engineering, Department of Engineering and Chemical Sciences,
Karlstad University

gives a seminar entitled

How lignin fulfills its biological functions?

Monday, October 9th at 2:30 p.m.

Place: Room 3B 512



Prof. Gunnar Henriksson

Abstract:

Lignin is one of the most occurring polymers in the biosphere, and it plays a central role in many technical important processes. In spite of this, the relationship between its structure and its function is not intensively discussed. Based on several years of structural studies and with arguments from both physical experiments and model compound experiments, a suggestion for how lignin fulfill its biological functions is suggested, that is based on the multiple covalent bonds between lignin and polysaccharides. This model can shortly be described as that lignin works as a curing agent for wood.

Welcome

Lars Järnström, Professor, organizer of the seminar series