Chemistry of Interfaces for Fibre based materials

The basic theories of interfaces

- Intermolecular forces and surface free-energy.
- Sorption, adsorption and interactions at nano-scale.
- The interface at nano- and macro-scale: colloidal dispersions and rheology.
- Nanocharacterisation: Imaging and spectrometry.

Interface chemistry in fibre material applications

- Interface chemistry in pulping and bleaching.
- Emulsions and dispersions as paper chemicals.
- Interface chemistry in papermaking and printing.
- Interface chemistry of natural fibres and composites.
- Surface chemistry in paper recycling.

The course includes student seminar 2.2.2017 and examination.

Sign up to justafs@abo.fi before 8. Dec 2016

5 ECTS credits

Course lecturers: Pedro Fardim and Jan Gustafsson