Skogsindustriella forskarskolan

Course: Paper Water Interactions

Course leader: Prof. Lars Wågberg and Dr Per Larsson

Date: November 16–19, 2020

Place: Rånbyrummet, Teknikringen 56, Stockholm

Principal lecturers:

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Monday, 16th of November		**Time/lecturer**
1.	Fibre, paper and water interactions: Problem specification, importance – New products	9–10 LW
2.	Thermodynamics of water vapour adsorption to fibres	10–12 TL
3.	Swelling of polyelectrolyte gels	13–15 PH

Tuesday, 17th of November		**Time/lecturer**
4.	Swelling of cellulose fibres	9–10 LW
5.	Influence of fibre composition on moisture sorption and fibre swelling	10–12 LS
6.	Influence of moisture on mechanical properties of paper: Fibre and joint properties	13–15 SÖ
7.	Mechanosorptive effects in fibres, paper and cellulosic films	15–17 SL

Wednesday, 18th of November		**Time/lecturer**
8.	Effect of moisture on the performance of cellulose-based films and cellulose-containing composites	9–10 PL
9.	Dimensional stability of paper	10–12 PL
10.	Wetting fundamentals	13–15 AS

Thursday, 18th of November		**Time/lecturer**
11.	Capillary penetration and superhydrophobicity – Fundamentals and applications	8–10 LW
12.	Influence of moisture on mechanical properties of paper and board	10–12 MN
13.	Liquid absorption in hygiene products	13–15 CH