

Wood Biorefinery

Course leader: Professor Per Engstrand

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Date: 11-15 November 2019

Location: Mid Sweden University, Holmgatan 10, Sundsvall

Participial lectures:

Professor Per Engstrand (PE), Mid Sweden University

Professor Ulf Germgård (UG), Karlstads Universitet

Professor Bjarne Holmbom (BH), Åbo Kkademi

Professor Monika Ek (ME), KTH

Professor Tom Lindström (TL), KTH

Professor Armando Cordova (AC), Mid Sweden University

Professor Thomas Hjertberg (TH), Hjertberg Polymer Consulting

Professor Juha Fiskari (JF), Mid Sweden University

Dr. Stefan Lundmark (SL), Perstorp/KTH

Adj. Professor Folke Österberg (FÖ), FolkeÖ Konsult

Adj. Professor Nippe Hylander (NH), ÅF/KTH

Dr. Kristina Elg-Christoffersson (KEC), Domsjö Fabriker AB

Dr. Olof Björkqvist (OB), Mid Sweden University

Prodject leader Martin Ekenbark (MaE), H&M HENNES & MAURITZ GBC AB

Tree search course

MONDAY 11 NOVEMBER, C329

- 13.00 - 13.30 Course introduction, PE/FÖ
- 13.30 - 15.15 Dissolving pulping process, UG
- Coffee brake
- 15.30 - 16.30 General pulping intro, PE

TUESDAY 12 NOVEMBER

- 8.00 - 12.15 C309 New chemicals from forest – Approaches and outcome, BH/ME
- 12.15 - 13.15 Lunch
- 13.15 – 15.00 C329, Industrial green chemical strategy, SL
- Coffee brake
- 15.30 – 17.00 C329, Borealis, TH
- 18.00 Course dinner

WEDNESDAY 13 NOVEMBER -LECTURES IN ÖRNSKÖLD SVIK

- 8.00 – 12.00 Visit to Domsjö Fabriker AB Örnköldsvik
- 12.00 - 13.00 Lunch
- 13.00 – 14.30 C329, Dissolving cellulose and other products made from wood - development of a sustainable biorefinery, KEC
- Coffee brake
- 15.00-17.00 HM:s Approach and Involvement into New Technologies, MaE

Thursday 14 November

- 8.00 – 9.30 C309, Global Forest industry in transformation, NH
- Coffee break
- 10.00 – 12.00 C309, Business development from research results, AC
- Lunch
- 13.00 – 15.00 C312, Nano Cellulose, TL
- Coffee break
- 15.30 – 17.00 C312, The Kraft pulp mill as Biorefinery, JF

Friday 15 November

- 8.00 – 10.00 C329, Energy products and processes, OB
- Coffee brake
- 10.30 – 11.15 C329, Feed-back from course evaluation, FÖ
- 11.15 - 12.00 Biorefinery reflection and closure, PE