



Program

**11th Fundamental Mechanical Pulp Research Seminar
Norrköping April 2 – 4 2019**



Mittuniversitetet
MID SWEDEN UNIVERSITY

Welcome to the 11th Fundamental Mechanical Pulp Research Seminar, FMPRS, in Norrköping 2019

Tuesday April 2 – Hospitalsgatan 30 Norrköping

18:00 Evening reception and registration, ÅF Industry's facilities

Wednesday April 3 – Renströmmen Norrköping city

08:30 Registration

09:00 Welcome to seminar day I

Keynote speakers

Tommy Wiksand – Holmen Paper - A company in transition based on mechanical pulp

Thomas Granfeldt – Valmet - High Yield Pulping - now and forever!

Per Engstrand – FSCN - Research trends in high yield pulping

10:30 Coffee break

10:50 Process technology

Per Engstrand – Decrease in strength along a process line for SC paper

Lars Johansson – Chip washers – do we need them?

Christer Sandberg – The centre plate design effect refiner performance

Per Gradin – The Influence of the Cutting Rate on the Damage State of a Wood Chip

12:10 Lunch

13:10 Fibre Modification and new products

Tove Joelsson – Unique steel belt press technology for development of high strength wood-containing papers

Rana Alimohammadzadeh – Sustainable Surface Engineering of Chemimechanical Pulp Fibers by Synergistic Combination of Metal-free Catalysis and Polyelectrolyte Complexes

James Olson – Low Consistency Refined Microfibre: MFC alternative for High Bulk, High Tear and High Tensile Mechanical Pulp

David Myja – 4-acetamido-TEMPO-mediated oxidation of wood chips and thermomechanical pulp in large scale

14:30 Coffee break

Hafizur Rahman – Maximized wood chip impregnation efficiency validated by new miniaturized X-ray fluorescence techniques

Gunilla Pettersson – Market pulp of CTMP with double strength properties

Erik Persson – Spruce HT-CTMP revisited – A high yield, energy efficient pulp for future products

17:00 Seminar closing day I

18:00 Guided tour Norrköping city

19:00 Dinner, Louis de Geer

Thursday April 4 – Holmen Braviken

08:30 Bus from Scandic City to Holmen Braviken Paper Mill

09:00 Welcome to seminar day 2

09:00 Modelling and control

Fredrik Bengtsson – Refining models for optimization and control – How to use such models for pulp and handsheet property estimations

Johan Sund – Effects of online pulp analysis frequency and chest retention time on refiner control performance

Anders Karlström – Deep learning in Refining Processes – A Pre-study of Internal and External Variables Impact on Pulp Properties

Johan Persson - Modelling feed to a double disk refiner

10:20 Coffee break

Magnus Heldin – On tool engagement in groundwood pulping — in-situ observations and numerical modelling at the microscale

11:00 Fibre characterisation

Göran Thungström – Evaluation of pulp by optical transmission and scattering measurement

Ola Johansson – Experiences of Single Point Morphology Measurements in Mechanical Pulp

Olof Ferritsius – Heterogeneity

12:00 Lunch

13:15 Study visit Holmen Braviken

Fredrik Holgersson, Mill Manager, Welcome to Braviken

Fredrik Bragsjö, Pulp mill Manager – TMP Braviken

14.00 Guided mill tour

15:15 Seminar closing

15:30 Bus to city

Read the whole program on www.miun.se/fmprs

Questions

Concerning the Seminar

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