

Welcome to the conference

Recent advances in
cellulose nanotechnology research

Production, characterization and applications

05 - 06 October 2022

PFI

RISE PFI is part of RISE - Research Institutes of Sweden

Program

5 October

08.30 Registration

09.00 Philip. Reme (RISE PFI)
Welcome to the research seminar

09.05 Andreas Fall (RISE- Research Institutes of Sweden)
CNF – a particle and a polymer

09.30 Pedro. Fardim, (KU Leuven)
Laboratory and pilot plant production of microfibrillated cellulose by low-consistency refining

10.00 Synnøve Holtan (Borregaard)
Advantages of Exilva in corrugating starch adhesives

10.30 Coffe break

10.45 Alfred French (U.S. Department of Agriculture: New Orleans)
X-Ray diffraction analysis of cellulose

11.10 Amalie Solberg (RISE PFI)
Properties of inorganic-organic polymer coated paper and nanopaper

11.30 Jonathan Phipps (FiberLean® Technologies Ltd)
Coating MFC onto paper – industrial challenges

12.00 Lunch

- 12.45 Heli Kangas** (VTT)
The scale of nanocellulose in applications - from electronics to packaging and beyond
- 13.15 Julien Bras** (Grenoble Institute of Technology)
Natural deep eutectic to obtain directly anionic cellulose nanocrystals
- 13.45 Alain Dufresne** (Grenoble Institute of Technology)
Preparation of stimuli responsive actuators from cellulose nanofibrils by interface co-precipitation method
- 14.15 Coffee break**
- 14.30 Lars Berglund** (KTH)
Controlling nanostructure and optical transmittance in load-bearing cellulose materials
- 15.00 Noelia Campillo** (REGEMAT)
From 3D printing of medical devices to bioprinting of tissues and organs
- 15.30 Gary Chinga Carrasco** (RISE PFI)
Is a period of 10 years sufficient to develop a nanocellulose wound dressing product?
- 16.00 Poster session**
- 19.00 Dinner at Kvilhaugen gård**

6 October

- 09.00 Orlando Rojas** (University of British Columbia)
Renewable nanoparticles in superstructured and multiphase materials
- 09.30 Prang, Simen Følknær** (Norske Skog Saugbrugs)
Characterization and performance of cellulose nanofibril epoxy-based masterbatches
- 10.00 Sandra Rodriguez Fabia** (RISE PFI)
Hydrophobization of cellulose: current trends and challenges
- 10.20 Coffee break**
- 10.35 Eva Pasquier** (RISE PFI)
Conception of multilayer biobased films with high oxygen and water vapor barrier for food packaging applications
- 10.55 Stephen Eichhorn** (University of Bristol)
Octylamine modified nanocellulose – Getting the best of the oil and water worlds
- 11.25 Kristin Syverud** (RISE PFI)
CNF dispersions – towards industrial applications
- 11.50 Øyvind Eriksen** (RISE PFI)
Conclusions and perspectives
- 12.15 Lunch**
- 13.00 Guided tour at RISE PFI**