Confirmed speakers NWBC 2020

2019-11-14

Below are confirmed oral presentations so far. The complete 3-day program will soon be published.

Research trends

Marco Lucisano, RISE, Sweden; Jussi Manninen, VTT, Finland
The largest Nordic research Institutes concentrate efforts in bioeconomy

René Backes, BASF, Sweden
BASF´s biobased approach

Ali Harlin, Antti Arasto, VTT, Finland
Toward carbon negative pulp and paper industry

Eemeli Hytönen, Jussi Manninen, VTT, Finland
R&D 4.0 for forest biorefinery

Carbon fibres

Philipp Schlee, Maria-Magdalena Titirici, Imperial College, UK; Omid Hosseinaei, Per Tomani, RISE, Sweden
From kraft lignin to mobile energy storage

Andreas Bengtsson, Maria Sedin, Elisabeth Sjöholm, RISE, Sweden
Carbon fibres from dry-jet wet spun lignin-cellulose precursors

Lignin products and properties

Mikhail Balakshin, Aalto University, Finland; Ewellyn A. Capanema, RISE, Sweden; Antje Potthast, Thomas Rosenau, BOKU, Austria
Toward structural models of native and technical lignins

Henrik Wallmo, Hanna Karlsson, Anders Littorin, Valmet, Sweden
Lignin production upgraded – industry-specific qualities to broaden the commercial potential

Francis Loiseau, Iordana Triantafillu, Louis-André Chassé, Mario Dupuis, Ruetgers Polymers, Canada
Concrete Dispersants Based on Modified Kraft Lignins. A Polymer Producer's Perspective

Richard Gosselink, Wageningen University, Netherlands
LignoCOST - Pan-European network on the sustainable valorisation of lignin

Marc Borrega, Ville Pihlajaniemi, Heidi Peltola, Lisa Wikström, Tiina Liitiä, TarjaTamminen, VTT, Finland
Effects of chemical additives on the properties of hydrolysis lignins and on their performance in the preparation of lignin/PLA biocomposites

Hemicellulose products

Brita Peltokoski, Anna-Stiina Jääskeläinen, Veli-Matti Vuorenpalo, Jaakko Hiltunen, Chunlin Xu, Kemira, Finland; Petri Oinonen, Oskar Schmidt, Ecohelix, Sweden
Valorizing a biorefinery side stream for paper and board applications

Chemicals and fuels

Martin Hedberg, Johanna Mossberg, Erik Furusjö, David Blomberg Saitton, Linda Sandström, Tomasz Janosik, RISE, Sweden:
Conversion of lignocellulosic feedstocks to transport fuels

Omar Abdelaziz, Christian Hulteberg, Lund University, Sweden:
Towards enhancing the versatility of the lignin biorefinery – Insights into batch and continuous mode depolymerisation processes

Erik Furusjö, Johanna Mossberg, Sennai Mesfun, RISE, Sweden; Christian Hulteberg, Lund University, Sweden; Yawer Jafri, Fredrik Granberg, Elisabeth Wetterlund, Luleå Technical University, Sweden; Henrik Rådberg, Preem, Sweden; Klaas van der Vlist, Smurfit Kappa, Netherlands; Roland Mårtensson, Södra Cell, Sweden:
Drop-in fuels from black liquor – Combining increased pulp capacity with production of sustainable biofuels

Thermochemical conversion

Peter Axegård, C-Green Technology, Sweden
HTC Biocoal from sludge – A new pulp mill product

Tainise V Lourencon, Luiz G Greca, Dmitry Tarasov, Orlando J Rojas, Mikhail Balakshin, Aalto University, Finland; Marc Borrega, Tarja Tamminen, VTT, Finland:
Green and cost-efficient hydrothermal treatment (HTT) biorefinery to produce high-value lignins

Kai Toven, RISE PFI, Norway
Lignocellulosic feedstocks as a carbon source for different bulk and high value applications

Biorefinery concepts

Hanne Wikberg, Matti Sonck, Pasi Hagelberg, Heli Virkki, Risto Sormunen, Fortum, Finland:
Fortum biorefinery concept

Remy Buser, Florent Héroguel, Jean Behaghel de Bueren, Jeremy Luterbacher, Bloom Biorenewables, Switzerland:
The value of stabilised lignin and C5 sugars