IMPC 2018
May 27–30

Program

Main sponsor

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Organizer

The Technical Association of The Norwegian Pulp and Paper Industry (PTF)

Scandic Nidelven Hotel Trondheim, Norway
Sunday, May 27

19.00–21.00 Welcome Reception
Hotel Scandic Nidelven, Trondheim, Conference Departement

Day 1, Monday, May 28

09.00–10.00 Opening session – Conference Chair Philip A. Reme & Keynote speech – Kjell-Arve Kure
10.00–10.30 Coffee Break & Networking
10.00–12.00 Accompanying persons program: Guided walk in the city with lunch
10.30–12.00 Session 1: HC/LC Refining, Chair: Lars Johansson, RISE PFI
10.30–11.00 Increasing fiber compression in low consistency refining utilizing a unique refiner plate filling concept – Ron Musselman
11.00–11.30 LC refining combined with screen fractionation – Reducing system complexity for mechanical pulping – Christer Sandberg, Jan–Erik Berg and Per Engstrand
11.30–12.00 Theoretical study of systems composed of low consistency refining and pressure screening – Jorge Enrique Rubiano Berna, Christer Sandberg, Mark Martinez and James A. Olson
12.00–13.00 Lunch
13.00–14.30 Session 2: Process I, Chair: Per Engstrand, Mid Sweden University
13.00–13.30 Soft sensor‐based consistency control of twin refiners at Hylte Mill – Karin Eriksson and Stefan Snygg
13.30–14.00 Improving mechanical pulping business potential by operating single layer grinding surfaces on electricity market – Tomas Björkqvist, Timo Korpela, Yrjö Majanne, Matti Vilkko and Olli Tuovinen
14.00–14.30 Catalytic improvement of the strength properties of chemimechanical pulp fibres by eco-friendly catalysis – Rana Alimohammadzadeh, Christina Dahlström and Armando Cordova
14.30–15.00 Coffee Break & Networking
15.00–16.30 Session 3: Process II, Chair: Ron Musselman, Musselman Process Solutions
15.00–15.30 Industrial demand side management in mechanical pulping process – Panu Karhu, Juha Mäntysaaria and Toni Kymäläinen
15.30–16.00 Long term experience with energy saving mechanical pulping technology – Olli Tuovinen
17.30–23.00 BASF Event Munkholmen

Boat trip, Guided tour, Grill Buffet at the Historical Island of Munkholmen
Dress code: Casual – warm clothes!
The Event is sponsored by BASF

Guided walk from Scandic Nidelven Hotel to the boat 17.30
Day 2, Tuesday, May 29

9.00–10.30 Session 4: Evaluation Tools, Chair: Antti Fredrikson, A. Fredrikson Research & Consulting Ltd

9.00–9.30 Single Point Morphology instrument yields insight to short term variations in a commercial TMP process – Ola Johansson, Magnus Rydstrand, Niclas Andersson, Henrik Brundin, Maria McGuiness and Rahul Yadav

9.30–10.00 The independent state of fibres in relation to the mechanical pulping world – Olof Ferritsius, Rita Ferritsius, Mats Rundlöf, Birgitta Engberg and Per Engstrand

10.00–10.30 Crill measurements for improved fines material control – Mathias Lundberg, Magnus Norgren and Håkan Edlund

10.30–11.00 Coffee Break & Networking

11.00–11.30 Session 5: Bleaching, Chair: Michel Petit–Conil, Centre Technique du Papier

11.00–11.30 Adlite in (C)TMP for paper and board with high brightness, less specific energy consumption and favorable pulp and paper properties – Martin Schachtl, Stefan Erren, Dieter Schönhaber, Pavel Osipov, James Taft, Steffen Fischer and Christian Bäurich

11.30–12.00 Bleachmag natural Mg(OH)₂ with low CO₂ emissions; Mill operation experiences and cost savings in TMP and PRC–APMP – Henk Don, Elroy Delger, Sergey Gusev, Petri Ratala and Antti Fredrikson

12.00–13.00 Lunch

13.00–14.30 Session 6: Alternative Use of Mechanical Pulp I, Chair: Philip André Reme, RISE PFI

13.30–14.00 Effect of chlorine dioxide treatment on the properties of thermomechanical pulp – Zhaoyang Yuan, Jayg Dimayacyac and Rodger Beatson

14.00–14.30 Deep eutectic solvent treatment to low–energy TMP to produce fibers for papermaking – Juha Fiskari, Rita Ferritsius, Sinke Henshaw Osong, Anders Persson, Tomas Höglund and Magnus Norgren

14.00–14.30 New international standard (ISO 20494) on paper stability: Implications for mechanical and high‐yield pulp producers – Maurice Douek, Xuejun Zou and Yajun Zhou

14.30–15.00 Coffee Break & Networking

15.00–15.30 Session 7: Mill Optimization, Chair: Karl Murton, Scion Research

15.00–15.30 An overview of some efforts to understand CD–refiners – Anders Karlström, Jan Hill and Lars Johansson

15.30–16.00 High quality Eucalyptus CTMP for board grades at the Stora Enso Beihai Mill – Frank Peng, Jason Xing, Göran Olsson, Jesper Nåvik, and Thomas Granfeldt

18.00–23.00 Organ Concert and Dinner with presentation of the Arne Asplund Award

Concert in the cathedral Nidarosdomen, Banquet in the Archbishop's Palace nearby

Dress Code: Formal

Guided walk from Scandic Nidelven to Nidarosdomen 17.20
Day 3, Wednesday, May 30

8.30–10.00  Session 8: Alternative Use of Mechanical Pulp II, Chair: Lars Johansson, RISE PFI
8.30–9.00  Mechanical pulp with added value products and lower COD –
           Oleg Shagaev, Peter Bräuer and Lukas Wiesegger
9.00–9.30  Development of strong and water resistant packaging materials from high yield pulps –
           fundamental aspects –
           Tove Samuelsson, Gunilla Pettersson, Hans Höglund, Sven Norgren, Anna Svedberg,
           Christer Götesson and Per Engstrand
9.30–10.00  TEMPO mediated oxidation effects on thermomechanical pulp components –
            David Myja, Eric Loranger and Robert Lanouette
10.00–10.30 Coffee Break & Networking
10.30–12.00 Session 9: ERGS Award/ Mechanical Pulp in New Products, Chair: Robert Lanouette,
            Université du Québec à Trois–Rivières
10.30–11.00 Industrially relevant in-situ production of high yield pulp based nanocellulose materials
            optimized to improve strength in packing and printing papers – A Comparison
            between CMC and MFC as the anionic component in layer-by-layer technology -
            Tommy Nordin, Anna Svedberg, Sven Norgrén, Gunilla Pettersson and Per Engstrand
11.00–11.30 Production of Microfibrillated Cellulose (MFC) from Chemical and Mechanical Pulps to
            Enhance TMP and DIP Paper Properties–
            Valérie Meyer, Michaël Lecourt, Sandra Tapin–Lingua and Michel Petit–Conil
11.30–12.00 Summing Up of Conference and Closing Remarks – Lars Johansson
12.00–13.00 Lunch

The Keith Kirkpatrick Award
The Keith Kirkpatrick Award is presented to the author(s) of the best paper delivered to the International
mechanical Pulping Conference. Selected from the sub-set of authors who are making their first contribution to
an international conference. The award is given by the ERGS, an association of international mechanical pulping
scientists with the purpose of promoting the science of mechanical pulping and interchanging technical
information among members. The Keith Kirkpatrick Award commemorates the generous concern of its namesake,
a founding member of ERGS, for the professional development of young technologist in the mechanical pulping
industry.

The recipient will be announced on Wednesday during Session 9 at 10.30-12.00.

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