

Detailed Course Programme

Tuesday, March 4

	Refresher Lecture: Introduction to Printing Technology - The principles of 4-colour printing and the different printing processes Adj. Prof. Dr. Janet Preston, Åbo Akademi and Imerys Minerals Ltd., UK
10:00-12:00	
12:00-13:00	Registration
13:00-13:15	Opening words Prof. Martti Toivakka, Åbo Akademi, FI
13:15-14:00	<i>Economics of Printing</i> Ann Collander, VF Tryck AB, SE
14:15-15:00	<i>Advertising and media trends - Co-existence of print and digital</i> John Charnock, Print Research International, UK
15:15-16:00	<i>Novel printing technologies: Landa Nanography, printing of non-paper surfaces, 3D-printing</i> John Charnock, Print Research International, UK
16:15-17:00	<i>Printed Electronics on Paper - Towards Paper Electronics</i> Prof. Martti Toivakka, Åbo Akademi, FI
19:00-22:00	Course Dinner

Wednesday, March 5

08:30-09:15	<i>Pre-press, production flow, material and data flow for the production of printed products</i> Jouni Marttila, SAPPI Fine Paper, FI
09:30-11:00	<i>Print and image quality and introduction to offset lithography</i> Jouni Marttila, SAPPI Fine Paper, FI
11:15-12:00	<i>Heatset offset lithography</i> Jouni Marttila, Sappi Fine Paper, FI
12:00-13:00	Lunch
13:00-13:45	<i>Sheet-fed offset lithography</i> Mika Anttila, FI
14:00-15:15	<i>Ink Chemistry</i> Prof. Göran Ström, KTH/Innventia, SE
15:30-16:30	<i>Flexography</i> Dr. Gustavo Gil Barros, TetraPak, SE

Thursday, March 6

08:30-11:00	<i>Digital printing: Electrophotography & Inkjet</i> Dr. Mattias Andersson, MiUn/DPC, SE
11:15-12:00	<i>Rotogravure: Process and advantages</i> Thomas Herbst, Leipa Georg Leinfelder GmbH, DE
12:00-13:00	Lunch

Substrates and printability

- 13:00-14:30 *Prof. Dr. Patrick Gane, Omya Development, CH and Aalto University, FI*
- 15:00-15:45 *Runnability - Construction of paper to survive processing
Thomas Herbst, Leipa Georg Leinfelder GmbH, DE*
- 16:00- *Excursion to a local print house [Hansaprint](#)*
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Friday, March 7

Practical session - Prints and dots! Sources and mechanisms of print defects

- 08:30-10:30 *Adj.Prof. Dr. Jan-Erik Nordström, Åbo Akademi and Stora Enso, SE
Adj.Prof. Dr. Janet Preston, Åbo Akademi and Imerys Minerals Ltd., UK
Lab testing and print trials to evaluate print problems*
- 10:45-11:45 *Adj.Prof. Dr. Jan-Erik Nordström, Åbo Akademi and Stora Enso, SE
Adj.Prof. Dr. Janet Preston, Åbo Akademi and Imerys Minerals Ltd., UK*
- 11:45-12:00 *Closing words
Prof. Martti Toivakka, Åbo Akademi*