Course: Non Woven- From fundamentals to processing

Course leader: Prof. Lars Wågberg

Date: May 14-16, 2018

Place: KTH, Stockholm

Monday 14 th of May
What are nonwovens and how are they made?

9-11 Nonwovens introduction-Overview of processes, fibers and properties Lars Fingal, Essity

Nonwoven technologies

11-13 Wet laid processes Kai Poehler, Voith

14-17 Dry laid processes, Spunbond, Meltblown and hydroentanglement Heike Illing-Guenther, STFI*
Tuesday 15th of May
Raw materials for nonwovens-Innovation in raw materials
(Historical-Today-Future)

9-9.20 Introduction to fibres in non-woven  Lars Fingal
9.30-11 Manmade fibres from natural polymers  Stephan Kulka, Lenzing
11-14 Manmade fibres from synthetic polymers and renewable resources including polylactide fibres Anna Nihlstrand, Essity AB, Eamonn Tighe, NW
14-16 Polymer requirement for fibre spinning  Bengt Hagström, Swerea
16-17.30 Wood-based fibres  Lars Wågberg, KTH
17.30-18 Nonwovens in a historical perspective  Bernt Johansson

Buffet Dinner

Wednesday 16th of May
9-11 Binders used in nonwoven  Dr Holger Poths, Wacker Chemie alt. Celanese
11-12 The link between fibre properties-processing and material properties Lars Fingal, Essity

Future possibilities with nonwoven

11-12 How can long fibres be used in wet-laid nonwoven production? The fundamental challenge Daniel Söderberg, KTH
13-15 Innovation textiles  Heike Illing-Guenther, STFI*
15-17 Possibilities in sensors and energy storage  Max Hamedi, KTH

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