



INTERMEDIATE COURSE

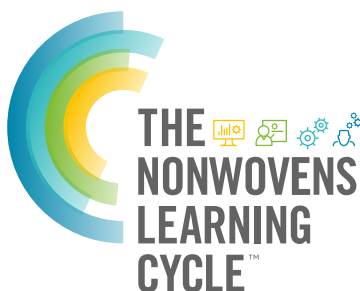


26 – 28 FEBRUARY 2019

21 – 23 MAY 2019

17 – 19 SEPTEMBER 2019

BRUSSELS



Keep abreast of developments in the manufacture, conversion and applications of nonwovens.

The Nonwovens Learning Cycle™, organised in collaboration with CETI, offers an integrated approach to nonwovens from the basics, to intermediate, to advanced courses in Meltblown, Spunlaid, Carding, to guided development.

ORGANISED BY



IN COOPERATION WITH





PROGRAMME & TIMING

DAY 1

Registration on the 1st day opens at 8.30

Each days the course starts at 9.00 and finishes at 17.00

09.00

introduction and welcome

Welcome from EDANA, introductions of tutors and delegates

INTRODUCTION OF NONWOVENS

Definition and applications of Nonwovens, review of the overall programme

10.30

 **coffee break**

WEB FORMING TECHNOLOGIES

Overview of background, process concepts and recent developments

DRYLAI D NONWOVENS

Carding and long fibre airlaid, including fibre characterisation and fibre opening

12.30

 **lunch**

WETLAI D AND SHORT FIBRE AIRLAI D

Development of wetlaid nonwovens from paper technology, comparison with short fibre airlaid

15.00

 **coffee break**

WEB FORMING TECHNOLOGIES – POLYMER TO WEB

Evaluation of the principal concepts of spunlaid, meltblown, and submicron spinning

19.30

delegates' get-together

This get-together dinner is offered by EDANA



PROGRAMME & TIMING

DAY 2

09.00

WEB CONSOLIDATION TECHNOLOGIES

Overview of background, process concepts and developments in bonding technologies

CHEMICAL BONDING

Binders used

THERMAL BONDING

Calendering, through-air

10.30

coffee break

MECHANICAL BONDING

Needlepunch, hydroentanglement

FINISHING

Winding, slitting, post treatments

12.30

lunch

RAW MATERIALS FOR NONWOVENS

Introduction of fibres and fibre classification, properties of different fibres

Choice of fibres in relation to product characteristics

Introduction of different polymers used for 'in situ' fibre production

Additives for special properties

15.00

coffee break

NONWOVEN TEST METHODS

Introduction of the Nonwoven Standard Procedures (NWSP)

NONWOVEN MARKET

Presentation of the latest available EDANA Statistics

GROUP EXERCISE

Analyse a nonwoven based product

DAY 3

09.00

departure to R&D installations by bus

Visit to CETI (Centre Européens des Textiles Innovants) in Roubaix (France)

10.30

tour at CETI

The visit will allow the participants to actually see most of the concepts they have been explained during the course

13.00

lunch

14.30

end of the visit and departure

Arrival at Brussels Airport around 16.30 hrs

Arrival at EDANA offices around 17.00 hrs



FACT FILE

WHO SHOULD ATTEND?

Both technical and marketing persons will benefit from attending this course. As they are likely to be involved with producers, suppliers, converters and retailers within the industry.

COURSE ORGANISER

This course is organised by EDANA. The association is sponsor of INDEX, the world's largest nonwovens exhibition. EDANA has over 240 member companies in 36 countries.

COURSE TUTOR

Marines Lagemaat (Scientific and Technical Affairs Director) will host the course and deliver the training together with external experts.

LANGUAGE

The course language is English. The tutor will speak clearly and make extensive use of visual aids, videos and samples. Active participation is encouraged from all delegates.

CERTIFICATE

Delegates completing the course will receive a certificate.

NUMBERS

Each course is limited to around 24 delegates.

VENUE

This course will take place at EDANA, Avenue Herrmann Debroux 46 – 1160 Brussels, 4th floor.

ACCOMMODATION

EDANA has reserved a number of single rooms at the NH Collection City Centre at a special rate about of €170 per night, including breakfast. In order to receive this special rate, an hotel booking form will be provided to you once we have received your registration for the course.

REGISTRATION FEE

The fee includes comprehensive delegate notes, a glossary of terms, samples, visit of pilot lines in Lille, lunches, one evening meal and coffees.

- EDANA members: € 1600
- Non-members: € 1900

For further information, please contact:

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For more information about edana, please visit our website: www.edana.org



REGISTRATION FORM

To be returned to: EDANA
Avenue-Herrmann Debroux 46
B-1160 Brussels | Belgium
P. + 32 2 740 18 11
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anaelle.schutz@edana.org

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Please register the following delegate. (Please TYPE/PRINT clearly and complete ALL sections in capital letters)

- Mr. Ms Other

First name Last name

Company

Job Title

Website e-mail

Direct phone

Address

Postcode City

Country VAT number (mandatory)

Date > 2018 Signature

COURSE REGISTRATION Fee to be paid before course starts. (Please tick appropriate boxes)

- EDANA member €1600 Non-member €1900

METHOD OF PAYMENT

- Payment will be made by bank transfer to ING, after receipt of the invoice
Agency Val d'Or, 270 Avenue de Tervueren | B-1150 Brussels | Belgium
ACCOUNT N°: 310-0760708-23 | IBAN: BE92 3100 7607 0823 | SWIFT CODE: BBRUBEBB

- Credit Card AMEX DINERS MASTERCARD VISA

Card Number Expiry Date >

CVV Code

Card holders's name Signature

Registrations will be taken in chronological order. After reaching 24 delegates, any other delegates registering will be put onto the waiting list and given priority for the next course.

Payment must be received 10 working days before the start of the course. Any substitutions within a company must be received no later than 10 working days before commencement.

Cancellations will only be accepted in writing and must be received no later than 10 working days before the course starts.