



# Nonwovens essentials



ONLINE

**The comprehensive technical and commercial foundation for nonwovens professionals.**

This online multi-day course moves beyond terminology to provide a detailed survey of all major manufacturing processes (drylaid, spunmelt, wetlaid), bonding techniques, raw materials, and applications. Ideal for new engineers, R&D, procurement, and marketing managers who need a functional understanding of the entire value chain.

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## WHO SHOULD ATTEND

If you are asking yourself questions such as:  
 What is the difference between spunlaid and spunlace?  
 Is drylaid the same as carding?  
 Where can I get a simple and clear explanation of the various technologies?  
 Which materials can be used to manufacture sustainable nonwovens?  
 then you should consider taking this extensive course.

## THIS COURSE OFFERS:

- a unique overview of all aspects of nonwovens, technologies, raw materials and applications
- a mix of presentations and Q&As
- a right balance between theory and practical exercises
- a set of samples

The sessions are designed to strengthen the understanding and the technical knowledge of any professional of the nonwovens industry involved with producers, suppliers, converters and retailers.

The course language is English.

For any questions please contact  
**Anaëlle Schütz**  
 anaelle.schutz@edana.org

For more information about EDANA, please visit our website: [www.edana.org](http://www.edana.org)



## COURSE FORMAT

The course takes place online and comprises 4 sessions of 3 hours each.



## DAY & TIME

Four consecutive mornings from 09.30 to 12.30 CET



## DATES & REGISTRATION FEES

Check the EDANA website for more information about the next dates and current registration fees.

EDANA members benefit from discounted rates.



## PROGRAMME

This course is based on the same content as the in-person Nonwovens Essentials course, and is intended for participants who cannot travel to Brussels.

### SESSION 1 ⇒ **Introduction**

- Welcome
- Round of introductions
- Nonwoven definitions
- Nonwoven applications
- Fibre basics
- Fibre opening
- Carding

### SESSION 3 ⇒ **Web consolidation**

- Chemical bonding
- Calendering
- Through-air
- Ultrasonic
- Hydroentanglement
- Needlepunching
- Stitchbond

### SESSION 2 ⇒ **Web formation**

- Carding
- Short-fibre airlaid
- Wetlaid
- Long-fibre airlaid
- Spunlaid
- Meltblown
- Submicron spinning

### SESSION 4 ⇒ **The nonwoven world**

- Common technology combinations
- Tests & standards
- Raw material trends
- Market data overview



## CERTIFICATE

EDANA delivers a completion certificate upon request. An active webcam is required to confirm attendance.



## INSTRUCTORS

**Marines Lagemaat** is the Scientific and Technical Affairs Director for EDANA.

He is responsible for managing the internal and external activities related to scientific and technical affairs in order to support the nonwoven industry, in all its applications. Marines manages various training and education programmes designed to provide technical and application-oriented support.

**Olivier Guichon** holds a Master's degree in Material Sciences and started his career as R&D Project Manager & Process Engineer at Rieter / Andritz Perfojet in France.

Oliver now works as Consultant Nonwoven Process Expert at RH Solutions, supervising the start-up of new spunbond and spunlace lines and bringing his support for production worldwide.