



# Course Book 2019

The Mondri Academy



IN TOUCH EVERY DAY

[www.mondigroup.com](http://www.mondigroup.com)



# Preface Peter Oswald



Dear partners,

The Mondi Academy offers training and professional know-how to our partners, suppliers and customers. Our attractive portfolio of technical seminars offers you the opportunity to gain insights into our production processes, learn about our technologies and get first hand information about our products, their applications and markets.

We wish you another successful business year with the support of The Mondi Academy.

Regards,

Peter Oswald

**“The Mondi Academy offers you a breadth of training opportunities. I encourage you to find out more.”**

**Peter Oswald**  
Group Chief Executive Officer

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# Table of Contents

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Preface Peter Oswald	3
Good to know...	5
Programme planner - cluster overview	6
<b>TECHNICAL EXCELLENCE</b>	7
From Fibre to Office Paper	8
From Fibre to Sack Kraft Paper	9
Introduction to Consumer Packaging	10
Introduction to Corrugated Packaging	11
Introduction to Industrial Bag Technology	12
Release Liner	13
Extrusion Coating Technology	14

# Good to know...

## Application procedure

### Application form

In order to receive the information on The Mondi Academy admission policy or request the application form please contact The Mondi Academy office or visit our website at [www.mondigroup.com](http://www.mondigroup.com). Please understand that The Mondi Academy reserves the right to exclude external participants from attending in case of a potential conflict of interests. Return the application form with the mandatory information to The Mondi Academy office via fax or as a scanned pdf-copy via email.

### Confirmation and admission

The receipt of the application will be confirmed via email. Details regarding the final admission and organisational issues (e.g. invitation letter, information about location, etc.) will follow in a separate email in due time before the seminar.

### Hotel accommodation and travel bookings

A contingent of rooms will be pre-booked in one of our partner hotels for the required number of nights at the respective location. After receiving the details of the bookings, each participant has to confirm the booking or advise otherwise in due time to The Mondi Academy.

**Please note:** the entire travel and transfer organisation as well as all costs related to travelling and accommodation (night & breakfast) have to be covered by each participant and are not included in the training fee and in the services of The Mondi Academy, respectively.

Information, however, on preferred travel and transfer partners with special Mondi rates is provided in the invitation letter.

**Please understand:** seminar material will be handed out to attending participants only.

## Pricing

The prices are indicated in EUR and listed next to each detailed seminar description. All prices are excluding VAT.

Please understand that the indicated prices do not cover individual travel expenses to/from the hotel, accommodation

costs (overnight & breakfast), parking/garage fees, special hotel services such as telephone, internet, fitness/wellness and personal consumption of mini bars or drinks at the hotel bar.

### Early booking discounts

- For bookings up to 8 weeks prior to the seminar a discount of 10% can be granted.

## Cancellation

### Changes and cancellation by the participant

Please understand that only written cancellations (email, fax) can be accepted.

- Cancellations received **up to 28 days** prior to the seminar: **free of charge**
- Cancellations received **27 to 15 days** prior to the seminar: **50% of the seminar fee**
- Cancellations **less than 15 days** prior to the seminar: **full seminar fee**
- Cancellation in **case of illness**: if an **official medical confirmation** of illness is submitted - **no cancellation costs**

Costs of the hotel will be charged according to the hotel's cancellation terms. No costs are charged if an appropriate substitute participant is enrolled for the same course at the same date.

### Changes and cancellation by The Mondi Academy

The Mondi Academy reserves the right to reschedule trainings or change locations, slightly modify course content and exchange announced trainers with advance notice. Should the participant be unable to attend as a result of the organisational change, he/she is entitled to rebook the same seminar at a later stage (within 18 months after the shifted date), provided the seminar is still offered.

### Contact information

- Mondi AG, Marxergasse 4a, 1030 Vienna, Austria  
Tel: +43 1 790 13 4546  
Email: [mondi.academy@mondigroup.com](mailto:mondi.academy@mondigroup.com)

# Programme planner - cluster overview

Seminar title	Spring/Summer 19	Autumn/Winter 19
<b>TECHNICAL EXCELLENCE</b>		
Introduction to Consumer Packaging		27 - 28 November
From Fibre to Office Paper	5 - 6 June	
From Fibre to Sack Kraft Paper	7 - 8 May	
Introduction to Corrugated Packaging	3 - 4 April	
Extrusion Coating Technology		13 - 14 November
Release Liner		9 - 10 September
Introduction to Industrial Bag Technology		29 - 30 October

## Technical Excellence

The seminars within the area of Technical Excellence were the core idea of the foundation of The Mondi Academy in 1998. They offer a very specific overview about Mondi's products, technologies and markets; albeit they are generic enough to address non-technicians in Mondi. All technical trainings are conducted on site in a Mond plant/mill or in a partner plant.

In this area introductory seminars are offered as well as specific seminars on a more advanced level.

As all seminars are conducted in English language using technical terms, **hence participants need to have a satisfying level of English** to benefit from the content. Applicants are invited to challenge their English language knowledge against the seminar descriptions before applying.

### Introductory seminars

These seminars offer a generic overview of the respective Mondi product ranges, the technology and processes and cover market aspects.

The trainings are not specifically tailored to a predefined target group, hence open for all functions and levels in Mondi. Particularly newcomers to the business will benefit from the introductory seminars which comprise:

- From Fibre to Office Paper
- From Fibre to Sack Kraft Paper
- Introduction to Industrial Bag Technology
- Introduction to Consumer Packaging
- Introduction to Corrugated Packaging

### Specific/advanced seminars

The specific seminars are offered on an advanced level which require a good basic knowledge in the respective technical area, hence address a smaller target group and are not always offered every year. The target group of each seminar as well as necessary prerequisites are indicated in each description. Applicants are kindly asked to check on these before applying.

The specific seminars comprise:

- Extrusion Coating Technology
- Release Liner
- Flexoprinting for the Packaging Industry (on demand)
- Introduction to Bag Filling Technology (on demand)

### Contact for Technical Excellence

For details about these seminars as well as organisational questions please contact:

Mondi AG - The Mondi Academy

- **Natalie Klein-Übbing**  
Mondi AG, Marxergasse 4a, 1030 Vienna, Austria  
Tel: +43 1 790 13 4546  
Email: [natalie.klein-uebbing@mondigroup.com](mailto:natalie.klein-uebbing@mondigroup.com)



# From Fibre to Office Paper

## The programme

In this seminar a comprehensive introduction to the manufacturing of paper - from the raw material to the finished good of uncoated fine paper - is imparted on the participants. A tour through the mill complements the theoretical input.

## Benefits of attending

Participants will get to know the key processes and machines involved in pulp and paper manufacturing and will experience how a paper mill works in practice.

## Who should attend?

This seminar is not specifically tailored to a predefined profile, hence open for all functions and levels in the paper business. Particularly newcomers to the business will benefit from this seminar.

## Topics include

- **Mondi uncoated fine paper:** Mondi structure, production sites, production volumes; markets, distribution channels, customers, market development and growth rates; Mondi key competitors
- **History of papermaking:** overview, production process in history, technological milestones, influence of copy technology on papermaking
- **From wood to pulp production:** raw materials, wood yard, pulping process, chemical cycle of a pulp mill, energy
- **Stock preparation:** bale handling & feeding, slushing, cleaning, screening, storing, refining, etc.; quality control; pulp testing; physical properties
- **Paper machine:** types; approach system, wire section, head box, press and drying section, surface treatment, calendaring, reeling; quality control
- **Finishing & warehousing:** winding, sheeter, cutting, wrapping, logistic centre
- **Testing & paper quality:** quality process and parameters, physical and optical properties, lab testing devices, online control systems,
- **Customer requirements:** uncoated fine paper products and customer requirements, end uses, possible problems and appropriate solutions, paper and print quality; ColorLok™ technology; benefits for end users
- **Plant tour through Hausmening**

### Programme Manager:

**Franz Aigner**

Former Operational Manager in paper production for Mondi SCP, now internal consultant

### Trainers:

Internal Mondi experts

### Location:

Hausmening, Austria

### Number of participants:

18

### Dates:

June 5 - 6, 2019

(Start on day 1: 9 a.m.,

End on day 2: 3.30 p.m.)

### Duration:

2 days

### Registration fee:

€590.00



# From Fibre to Sack Kraft Paper

## The programme

In this seminar participants gain a thorough overview about the manufacturing process from the raw material to the pulp production process and the end use of sack kraft paper.

## Benefits of attending

Participants will get to know the key processes and machines involved in the production process as well as a historical overview of papermaking. They will experience how a paper mill producing sack kraft paper works in practical.

## Who should attend?

This training is not specifically tailored to a predefined target group, hence open for all functions and levels in the paper industry. Particularly newcomers to the business will benefit from this seminar.

## Topics include

- **From wood to pulp production:** raw materials, wood yard, pulping process, chemical cycle of a pulp mill, energy
- **Unbleached market pulp:** speciality pulp lines and production, pulp qualities
- **Pulp bleaching:** aims and trends in the bleaching technology, technical terms, different ways of bleaching, ECF (Elementary Chlorine Free) and TCF (Total Chlorine Free) pulp, environmental aspects
- **Paper production and technology:** stock preparation, wood grades; head box, wire part, drying and press section, Clupak unit; winding
- **High quality paper:** customer requirements, characterisation of paper and sack constructions, development of Advantage One
- **MG (Machine Glazed) production:** history and development, different concepts, technology: fibres, stock preparation, refining; cleaning process, dilution system and head box; press section; drying process, winding and cutting, wrapping; MG production volumes; end uses, quality & lab parameters, main properties; quality control systems
- **Paper testing:** online quality control systems, test equipment, properties of sack kraft paper
- **Packaging solutions:** customer requirements, possible problems and appropriate solutions; tubing machine & bottomer
- **Plant tour** through **Mondi Frantschach**

### Programme Manager:

Reinhard Kainz  
Technical Service and Claim  
Management, Customer Service  
Mondi Frantschach GmbH

### Trainers:

Internal Mondi experts

### Location:

Frantschach, Austria

### Number of participants:

18

### Dates:

May 7 - 8, 2019  
(Start on day 1: 8:30 a.m.,  
End on day 2: 4:30 p.m.)

### Duration:

2 days

### Registration fee:

€590.00



# Introduction to Consumer Packaging

## The programme

This training gives a profound insight into the capabilities of Consumer Packaging. It demonstrates the needs of flexible packaging, its respective applications as well as the entire production process, including a plant visit.

## Benefits of attending

Participants will gain a comprehensive overview about the variety of CP products and technologies, learn about the production process and will be aware of the broad field of applications and market possibilities.

## Who should attend?

This course is open to all functions, levels and businesses interested in the production process, the capabilities and applications of Consumer Packaging.

## Topics include

- **Packaging - problem or solution?:** purpose of packaging, packaging needs
- **Raw materials:** typical materials and their properties
- **Extrusion and Converting Processes:** how to produce a film; blown film, cast film process, further converting steps as laminating, printing etc.
- **Applications:** Mondi film in final end user products
- **Analytics:** lab tour including laser station and mock-up building
- **Overview of products and markets of all 4 segments of Consumer Packaging:** Consumer Goods packaging (CGP), Technical Films (TF), Personal Care Components (PCC and Release Liner (RL)
- **Innovations:** drivers and players for innovation, packaging trends, market solutions
- **Plant tour** through **Mondi Gronau**

### Programme Manager:

**Marita Schmid**  
BU Coordinator  
Mondi Consumer Packaging

### Trainers:

Internal Mondi experts

### Location:

Gronau, Germany

### Number of participants:

18

### Dates:

November 27 - 28, 2019

(Start on day 1: 9 a.m.,  
End on day 2: 5 p.m.)

### Duration:

2 days

### Registration fee:

€590.00



## Introduction to Corrugated Packaging

### The programme

This seminar gives a thorough introduction to the manufacturing processes and technologies of corrugated packaging as well as the Mondi corrugated business with its markets and applications.

### Benefits of attending

Participants will gain knowledge about how corrugated packaging operates as a business and organisation, what processes and products are involved and build networks within the Mondi organisation.

### Who should attend?

The seminar is designed to be a comprehensive programme for all functions and levels within Mondi. Particularly newcomers to the business will benefit from this training.

### Topics include

- **Mondi corrugated packaging:** Mondi structure and production sites, main production lines and product portfolio, European market and end users; market players and competitors; market trends and equipments
- **Paper production:** history of papermaking, raw materials, pulp production, waste paper, paper production process, chemical technology
- **Corrugated paper production:** history of corrugated board, paperboard grades, production of corrugated board properties and testing; printing techniques (flexographic, offset, etc.)
- **Environmental aspects:** regulations, virgin fibre vs. recycled fibre
- **Corrugated board packaging:** customer needs, functional specifications, flexibility, value analysis, logistics functions
- **Quality control:** parameters and properties, possible defects, quality control systems
- **Product life cycle:** internal sales, design process, cost breakdown, graphics/artwork, origination, production planning, corrugator, printing, converting, palletisation, delivery, end use
- **Plant tour** through **Mondi Swiecie**

#### Programme Manager:

Jan Blankiewicz  
Product Innovation Manager  
Mondi Corrugated Packaging

#### Trainers:

Internal Mondi experts

#### Location:

Świecie, Poland

#### Number of participants:

18

#### Dates:

April 3 - 4, 2019  
(Start on day 1: 9 a.m.,  
End on day 2: 4 p.m.)

#### Duration:

2 days

#### Registration fee:

€590.00



# Introduction to Industrial Bag Technology

## The programme

This training gives a comprehensive introduction to the Mondi bag converting business and includes a plant tour to experience the theoretical input in real life.

## Benefits of attending

Participants will gain a good understanding of the process of bag making as well as the technology, markets and respective end uses.

## Who should attend?

The seminar is not specifically tailored to a predefined profile, hence open to all levels and functions within Mondi. Particularly newcomers to the bag business will benefit from the training.

## Topics include

- **From pulp to paper:** pulp production, paper technology (stock preparation, head box, wire & press section, Clupak unit); customer requirements of sack kraft paper, characterisation of paper and sack construction, development of Advantage One
- **Bag construction:** fundamental requirements and specifications, bag construction and types from ONE ply to multiwall bag (benefits, applications); layout of a typical bag production plant
- **Tubers:** overview, production steps, facilities of in-line printing, perforation, pasting and tube forming
- **Bottomers and automation:** principals of bag construction, different concepts of bottomers, feeders; automatic transfer as the connection between tuber and bottomer; palletisers
- **Glue:** basics about adhesives, classification and terminology, function of adhesives, factors influencing adhesion, water-based and hot-melt adhesives, properties, housekeeping, Mondi databook: glues
- **Flexoprinting technology:** overview, basic flexoprinting and stamp making technologies, ink supply systems, colour to colour register, CI, printing cylinders and sleeve systems, printing machines, full colour printing
- **Mondi developments:** Bags: ONE&ONEPLUS, Airstream, Sheekan, Mini, World, Window, Splash Hybrid PRO, Zalando, I-Food and water soluble bag. Features: Double handle, easy open, effusion opening and Easy Seal valve.
- **Plant tour through Mondi Bags Austria Zeltweg & Frantschach Paper Mill**

### Programme Manager:

**Uwe Vogelskamp**  
Head of Application Engineering  
Industrial Bags  
Mondi Hammelburg GmbH

### Trainers:

Internal Mondi experts

### Location:

tbd

### Number of participants:

18

### Dates:

October 29 - 30, 2019  
(Start on day 1: 8:30 a.m.,  
End on day 2: 4 p.m.)

### Duration:

2 days

### Registration fee:

€590.00



## Release Liner

### The programme

This seminar gives a profound overview about the manufacturing of release liners and adhesives as well as the Mondi product portfolio, its markets and applications.

### Benefits of attending

Participants will gain specific knowledge on coating and siliconisation and see two different machines in the plant which are solely dedicated to the making of release liners.

### Who should attend?

This seminar designed for participants who have a good basic technical knowledge in this area.

### Topics include

- **Overview of release liners:** glassine and film silicone; silicone chemistry; silicone coating methods, conversion of release liners to PSA (Pressure Sensitive Adhesive) products, end-use market areas
- **Raw materials:** (coated or machine glazed) papers, glassine; films
- **Silicone for release liners:** history, manufacturing, delivery forms, components and their functions, curing reactions, advantages/limitations of each delivery form/technology, coating processes; markets and suppliers; other silicone applications
- **Machines for release liners:** coating and process equipment, coating line solutions, technologies
- **Adhesive coating:** PSA products, adhesive coating process, adhesives and their respective properties
- **End uses:** graphic art, labels, hygiene & medical applications, sealants, tapes, fibre composites
- **Market overview:** world & European markets and growth, merchant market;
- **Properties and testing:** testing methods, properties and parameters
- **Mechanism of release:** silicone properties, influencing factors, effects on release, delamination mechanism, low and high speed release mechanism
- **Digital liner:** problems and requirements, appropriate solutions, technology and efficiency
- **Structured release liners:** processes, developments and products, specialities and their applications
- **Plant tour** through **Mondi Inncoat**

#### Programme Manager:

Wilhelm Munninger  
Technical Director  
Mondi Inncoat GmbH

#### Trainers:

Internal Mondi experts

#### Location:

Raubling, Germany

#### Number of participants:

18

#### Dates:

September 9 - 10, 2019  
(Start on day 1: 8:30 a.m.,  
End on day 2: 4 p.m.)

#### Duration:

2 days

#### Registration fee:

€590.00



# Extrusion Coating Technology

## The programme

Participants get a comprehensive insight into one of Mondi's core competencies and get well acquainted with the extrusion coating process and methodology.

## Benefits of attending

In this training participants gain in-depth knowledge about the material, the polymers used in the process, the extrusion coating technology itself, the techniques applied as well as an overview about the respective end products.

## Who should attend?

The seminar is designed to be a secondary training for sales staff, production managers, engineers and other functions who have already gained technical know-how.

## Topics include

- **Introduction to extrusion coating:** plastic granulates, extruder, production lines, production process, corona treatment, lamination; typical products
- **Polyethylene (PE):** from mineral oil to polymers; overview of chemical properties; low/high density; technology, characterisation, critical processing parameters
- **PE product segments:** melt flow rate, density, testing methods
- **Extrusion techniques:** injection and blow moulding, sheet and cast extrusion
- **Extrusion coating line:** process system, roll coating vs. extrusion coating, mono- and co-extrusion coating, typical extrusion coating line layouts, process and production control, technology, trouble shooting
- **Corona treatment:** treatment methods, corona system, parameters, electrode configuration, cast film, coating and laminating
- **Market examples:** substrates, copolymers, polymers extrusion coating, application matrix, extrusion line equipment, product examples
- **Plant tour** through **Mondi Belcoat**

### Programme Manager:

Falk Paulsen  
Business Solutions Director  
Mondi Inncoat GmbH

### Trainers:

Internal Mondi experts  
External experts

### Location:

Duffel, Belgium

### Number of participants:

16

### Dates:

November 13 - 14, 2019  
(Start on day 1: 9 a.m.,  
End on day 2: 3 p.m.)

### Duration:

2 days

### Registration fee:

€590.00



