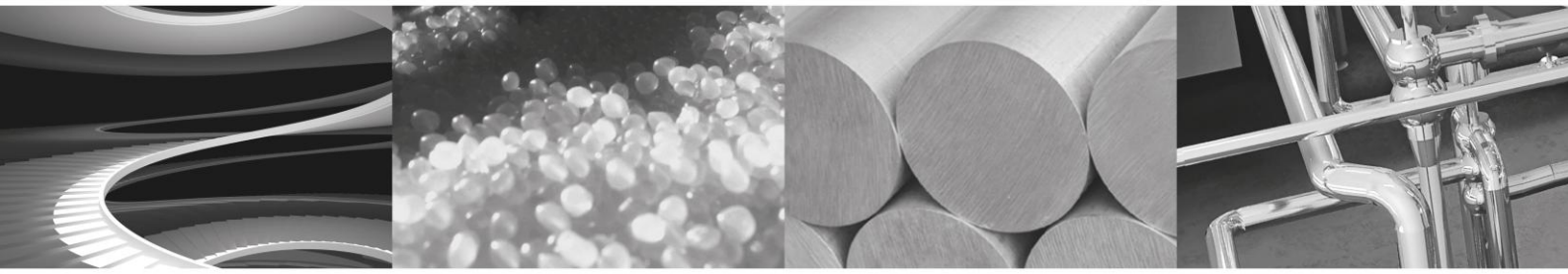


Course 3- Recycling technologies in the plastic industry

28 January 2025

Introduction to the Course

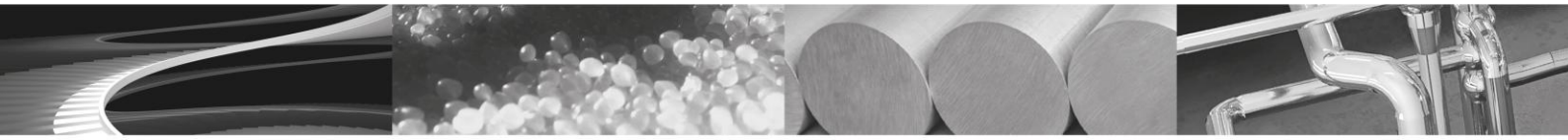
The recycling of plastics is pivotal in addressing the environmental challenges posed by plastic waste. As awareness of the plastic pollution crisis grows, the need for effective recycling technologies has never been more urgent.

This 2-day course aims to provide a thorough understanding of the various recycling technologies employed in the plastic industry, emphasizing their applicability to different polymers.

Participants will start with a foundational overview of plastics, their properties, and the importance of recycling in creating a sustainable future. The course will then transition into a detailed exploration of specific recycling technologies, including precipitation and dissolution technologies, solvolysis, pyrolysis, and mechanical recycling.

Through expert presentations, case studies, and interactive discussions, attendees will gain practical insights into selecting and implementing the most suitable recycling methods for various types of plastics. By the end of the course, participants will be equipped with the knowledge and necessary to enhance recycling practices within their organizations, ultimately contributing to a more circular economy.

Kontakt
DANSK MATERIALE NETVÆRK
T: 60 35 19 90 · www.dmn-net.com



Lecturers:

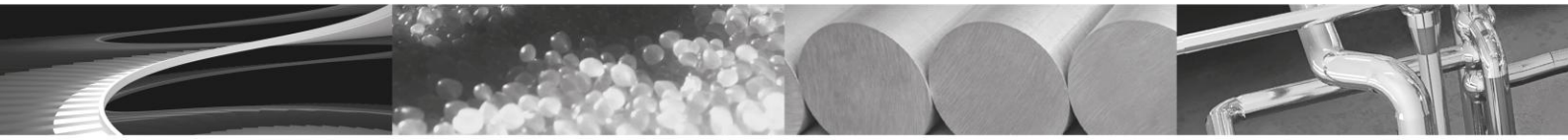
Hülya Ucar
PhD, Circularity/Recycling

Nadja Damtoft
PhD, Sustainability accounting

Course Program

09:00 - 09:15: Welcome and Introduction to the Course
09:15 - 10:00: Understanding Plastics: Types (thermoplastic and thermoset), Properties, and Environmental Impact
10:00 - 10:45: The Importance of Recycling in the Plastic Industry: Challenges and Opportunities
10:45 - 11:00: Coffee Break
11:00 - 12:00: Mechanical Recycling: Processes, Techniques, and Limitations
12:00 - 12:45: Lunch Break
12:45 - 13:15: Precipitation and Dissolution: Mechanisms and Applications in Plastic Recycling
13:15 - 14:00: Solvolysis: Principles and Industrial Applications for Specific Plastics
14:00 - 14:45: Pyrolysis: Transforming Plastic Waste into Valuable Resources
14:45 - 15:00: Coffee Break
15:00 - 16:00: Comparing Recycling Technologies: Selecting the Right Method for Different Polymers

By the end of this course, participants will have a comprehensive understanding of various recycling technologies and their applications, enabling them to make informed decisions in their organizations to improve sustainability and reduce plastic waste.



Practical information:

Place:	Forsknings- og Udviklingsparken Vest A/S, Niels Bohrs Vej 6, DK-6700 Esbjerg
Facilitator:	Dansk Materiale Netværk, DMN
Language:	Danish
Registration:	Latest registration is latest 21 January 2025
Price:	EUR 730,00, ex VAT SMEs awarded with a POLREC training sub grant can use this as payment Registration is binding after 21 January 2025 Bill will be sent directly by the training service-provider, Reccura

Registration via the registration module on the home page under "Events" or at:

Tanja Bødker Pedersen
Controller

Plast Center Danmark
Sekretariat & facilitator af DMN
Niels Bohrs Vej 6
DK-6700 Esbjerg

Phone: +45 60 35 19 94
E-mail: tbp@dmn-net.com

If you have any questions regarding the event please contact:

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Materials & recycling specialist

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E-mail: huc@reccura.com