

ZELCOR SUMMER SCHOOL

2 – 6 September 2018
Wageningen International Congress Centre (WICC)
Wageningen, The Netherlands



Zero waste biorefineries: technical advances and sustainability assessment

The 1st Summer School on waste biorefineries in the context of bioeconomy, with a focus on valorization of recalcitrant side streams. A panel of specialists in the biorefinery field will provide an up-to-date state-of-the-art overview based on the latest advances in terms of scientific knowledge, techno-economical developments and life cycle assessment methodologies.

10/2016 - 09/2020

www.zelcor.eu

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Daytickets for industry participants are available upon request, email to: cornelia.vanbree-evers@wur.nl

Registration & course fee

To register please visit www.zelcor.eu/summerschool-registration
Applicants will receive further course details and instructions for payment after registration.

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Wageningen International Congress Centre (WICC)
Lawickse Allee 9, 6701 AN Wageningen
Wageningen, The Netherlands

Course fee includes materials, coffee/tea during breaks, lunches, an excursion and 2 course dinners but does not cover accommodation. The course fee depends on the participant's affiliation:

Course fee	
PhD candidates affiliated with VLAG	€ 250
other PhD candidates + ZELCOR members	€ 450
University staff / Non-Profit	€ 750
Industry / For-Profit	€ 1500 (*)

18-07-21

Contact

Summer School Coordination


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Day 0

Sunday September 2, 2018

18:30-19:00

Registration

19:00-20:00

Welcome drinks & preparing poster exhibition

Day 1

Monday September 3, 2018

09:00-09:30

Registration

09:30-10:00 Plenary session

Welcoming and introductory presentation

Stéphanie Baumberger &
Richard Gosselink
Stephan Piotrowski

10:00-11:00 Plenary session

Lignocellulosic feedstocks for biorefineries

11:00-11:30

Coffee/tea break & Poster Presentation

11:30-12:30 Plenary session

Feed markets for waste valorization

Alex Obach

12:30-12:45

Group photo!

12:45-13:30

Lunch

13:30-14:30 Plenary session

Lignocellulosic biorefineries with integrated side stream valorization: reality or future?

Ed de Jong

14:30-15:30 Plenary session

Functionalities and markets for lignins

Jairo Lora

15:30-16:00

Coffee/tea break & Poster Presentation

16:00-17:00 Plenary session

Cosmetics needs in active biomolecules

Fabio Apone

17:00-18:00 Plenary session

Use of biomolecules for extending food shelf-life through Active Packaging

Jérôme Vachon

18:45-20:30

Dinner @ 'Beau' Hotel Restaurant

Day 2

Tuesday September 4, 2018

08:45-09:45 Plenary session

Potential of bacteria and synthetic biology for lignin conversion

Tim Bugg

09:45-10:45 Plenary session

Microbial consortia and waste valorization

Guillerma Hernandez

10:45-11:15

Coffee/tea break & Poster Presentation

11:15-12:15 Plenary session

Insect potential in biorefineries

Nathalie Berezina

12:15-13:15 Plenary session

Thermochemical processes for the production of platform biomolecules

Daan van Es

13:15-14:00

Lunch

14:00-15:00 Plenary session

Technical and "green" potential of ionic liquids

Guy Marlair & Betty Cottyn

15:00-16:00 Plenary session

Tool box for tuning lignin structure

Stéphanie Baumberger

16:00-16:30

Coffee/tea break & Poster Presentation

16:30-17:30 Plenary session

Analytical tools review for lignin characterization

Richard Gosselink

17:30-18:30 Plenary session

Humins: production and progress in structural investigation

Annelie Jongerius

Day 3

Wednesday September 5, 2018

08:45-09:45 Plenary session

Value-chain environmental assessment

Harriëtte Bos

09:45-10:45 Plenary session

Taking into account techno-economic criteria in the design of biomass conversion processes

Elke Breitmayer

10:45-11:15

Coffee/tea break

11:15-12:15 Plenary session

LCA and environmental aspects

Xun Liao

12:15-13:15 Plenary session

"Closing the loop" in the context of an integrated biorefinery: A sweet sorghum-based discussion.

Iulian Zoltan Boboescu

13:15-14:00

Lunch

14:30-15:00

Travel to Heelsum

15:00-17:00

Site visit @ Schut Paper – Heelsum

17:00-17:30

Travel to Wageningen Campus – Wageningen University and Research

17:30-19:00

Course Dinner @ Impulse Wageningen Campus

19:00-20:00 Plenary session

Bio-based Economy

Rafael Luque

20:00-20:30

Travel to WICC

18:45-20:30

Dinner @ 'Beau' Hotel Restaurant

Day 4

Thursday September 6, 2018

08:45-09:15 Case studies

Introduction

Richard Gosselink

09:15-10:30 Case study 1

Pulp & paper mill including full valorization of side streams

09:15-10:30 Case study 2

Lignocellulosic biorefinery with focus on production of biochemicals including full valorization of side streams

10:30-11:00

Coffee/tea break

11:00-12:00

Continue on the case studies

12:00-13:00

Short presentation on the case study per group

13:00-13:45

Lunch

13:45-14:15

Closing Session

Stéphanie Baumberger &
Richard Gosselink