



Versuchs- und Lehranstalt für Brauerei in Berlin e.V.

108TH INTERNATIONAL BREWING & ENGINEERING CONGRESS 2024

Conference for the international brewing and malting industry

13 to 15 March 2024 – MartiniPlaza Event Center, Groningen, The Netherlands

Brewing Industry is moving towards Net Zero – Status and Prospects

Presentation language: English

– with accompanying trade exhibition –

WITH SPECIAL SUPPORT FROM



 www.vlb-berlin.org/en/groningen2024

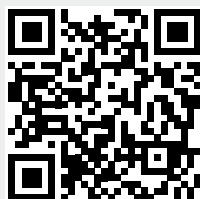
 VENUE: MARTINIPLAZA EVENT CENTER, GRONINGEN, THE NETHERLANDS





WEDNESDAY, MARCH 13, 2024	
12.00	Start registration TWA/TSC Light lunch <i>MartiniPlaza, Springerfoyer</i>
13.00 to 18.00	Meeting Technical Scientific Committee (TWA / TSC) <i>(on special invitation only)</i> <i>MartiniPlaza</i>
17.00 to 18.00	TWA/TSC – Final discussion <i>MartiniPlaza, Springersaal</i>
18.00 to 23.30	Get-together in the exhibition area, buffett & beer <i>MartiniPlaza, Springerfoyer</i>

THURSDAY, MARCH 14, 2024	
TECHNICAL SESSION 1: BREWING INDUSTRY IS MOVING TOWARDS NET ZERO – STATUS AND PROSPECTS (PART 1)	
Chair	Jens Hoffmann (Warsteiner Brewery Group)
8.30	Welcome & opening <i>Jens Hoffmann (Warsteiner Brewery Group), Dr. Josef Fontaine (VLB Berlin)</i>
8.40	Energy supply as a challenge – fossil and renewable sources <i>Prof. Dr. Frank Behrendt (Technische Universität Berlin, Department of Energy Process Engineering and Conversion Techniques of Renewable Energies)</i>
9.30	Energy concept for a sustainable beer production <i>Norbert Ottmann (Krones/Steinecker)</i>
10.05	Realising HEINEKEN's net zero ambitions <i>Jan-Maarten Geertman & Jeroen Schrijvers (Heineken)</i>
10.40	<i>Coffee break & exhibition</i>
11.15	Grolsch's energy transition – road to carbon neutral brewery <i>Susan Ladrak (Grolsche Bierbrouwerij, Sustainability Manager)</i>
11.50	Brewery 4.0 – How to evolutionise the brewing industry <i>Michael Jakob (Carlsberg New Technologies, CH), Dr. Birgitte Skadhauge (Carlsberg Research Laboratory, DK)</i>
13.00	<i>Lunch break & exhibition</i>





THURSDAY, MARCH 14, 2024

13.45 **The sustainable future of Royal Swinkels Family Brewers**
Thomas Swinkels (Royal Swinkels Family Brewers)

14.15 **Electrification of the brewing & malting process**
Jan Eurlings (RWE)

14.50 **Introduction technical visit to Holland Malt's emission-free malthouse in Eemshaven**
Joost van der Biezen (Holland Malt)

GRAND OPENING OF HOLLAND MALT'S ZERO EMISSION MALTHOUSE IN EEMSHAVEN

15.45 *Bus transfer to Eemshaven*

16.00 to 23.00 **Grand Opening of Holland Malt's emission-free malthouse in Eemshaven**



17.00 **Grand opening: Holland Malt 4 the Future**

17.15 **Exclusive guided tour of the malthouse**

18.30 **Dinner and festive evening**

from 21.45 to 23.00 *Regular bus shuttles back to Groningen*

FRIDAY, MARCH 15, 2024

TECHNICAL SESSION 2: BREWING INDUSTRY IS MOVING TOWARDS NET ZERO – STATUS AND PROSPECTS (PART 2)

Chair *Jan Biering (VLB Berlin)*

9.00 **Welcome & opening**
Jan Biering (VLB Berlin)

9.10 **Gas-hopping: a novel and sustainable alternative to dry-hopping of beer**
Prof. Dr. Brian Gibson (Technische Universität Berlin, Chair of Brewing and Beverage Technology)

9.45 **Heat pump application in the brewing industry**
Dr. Mark Schneeberger / Dr. Isabel Osterroth (GEA)

10.20 **Optimized use of resources (water, energy) in brewing water preparation**
Dr. Sven Fleischer / Andreas Pentke (Herco Wassertechnik GmbH)

10.45 *Coffee break & exhibition*

11.15 **Current developments and possibilities of energy generation and use in the brewing industry – the viewpoint of the Bitburger Braugruppe**
Dr. Johannes Hanks (Bitburger Braugruppe)

11.50 **Overcome CO₂ volatility – Become CO₂ self-sufficient!**
Peter Toftegaard Hansen (Pentair)

12.25 *Lunch break & exhibition*

13.15 **Reducing the carbon footprint of malt: Current research on the production and utilisation of withered malt**
Florian Schrickel (VLB Berlin)

13.50 **Returnable Packaging Systems as part of a net zero strategy**
Florian Heukäufer (VLB Berlin)

14.30 *Final words / End of conference*

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GENERAL INFORMATION

Venue:

MartiniPlaza Event Center,
Leonard Springerlaan 2, 9727 KB Groningen/Netherlands
www.martiniplaza.nl

Conference language is English.

Hotel rooms: Information on hotel rooms can be found at
www.vlb-berlin.org/en/groningen2024

Trade exhibition: Information and registration at
www.vlb-berlin.org/en/groningen2024/exhibition

The attendance fee includes:

- + Get-together on Wednesday evening (full conference ticket / dayticket Thursday)
- + Technical visit to Holland Malt's emission-free malthouse on Thursday, including bus transfer from Groningen to Eemshaven and return
- + Dinner and festive evening in Eemshaven
- + Technical presentations (depending on the type of ticket)
- + Drinks and light lunches on Thursday and Friday (depending on the type of ticket)
- + Admission to electronic conference documentation (English)

Participation fees

Total ticket
Day ticket Tuesday
Day ticket Wednesday

Breweries,, beverage manufacturers, maltsters

990* €
790* €
660* €

all others

1350* €
990* €
850* €

* 10 % discount for VLB members / all prices plus VAT.

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