



VLB
BERLIN

Versuchs- und Lehranstalt für Brauerei in Berlin (VLB) e.V.

14 TO 16 OCTOBER 2018, BERLIN, GERMANY

105th VLB October Convention

International Congress for the Brewing and Beverage Industry

Program:

Technical Session

47th International Malting Barley Seminar

SUPPORTED BY



www.vlb-berlin.org/en/oct2018



VENUE: HOTEL BERLIN, BERLIN, LÜTZOWPLATZ 17, 10785 BERLIN, GERMANY



LANGUAGES: GERMAN AND ENGLISH



TECHNICAL SESSION

- + Saving of water and energy using flexible water treatment by means of reverse osmosis
- + Trends in brewing technology

GENERAL MEETING VLB BERLIN

WELCOME PARTY

- + VLB Berlin, Seestrasse 13, 13353 Berlin

TECHNICAL SESSION

SUNDAY, 14 OCTOBER 2018

18:00 to 23:30 Get-together for all participants
Lobby of the convention hotel

MONDAY, 15 OCTOBER 2018

8:30 to 13:00 **Meeting of VLB's Technical Scientific Committee (TSC)**
(Members only)

13:00 to 14:00 Lunch break and exhibition

14:00 *Start Technical Session*

SAVING OF WATER AND ENERGY USING FLEXIBLE WATER TREATMENT BY MEANS OF REVERSE OSMOSIS – RESULTS OF A JOINT RESEARCH PROJECT

Chair Dr. Alfons Ahrens (VLB Berlin)

14:00 **Welcome and introduction**

14:05 **Application of reverse osmosis in the brewery***
Michael Eumann (EUWA)

14:40 **Optimized operation of reverse osmosis by prompt prognosis of the water demand***
Stefan Reimann (VLB Berlin)

15:15 **Optimized operation of reverse osmosis by flexible output***
Prof. Dr. Stefan Schildbach (Hochschule Fulda)

15:50 Break and exhibition

TRENDS IN BREWING TECHNOLOGY

Chair Dr. Roland Pahl (VLB Berlin)

16:15 **The Brewery of the Future – starts now!**
Peter Gattermeyer (Krones)

16:50 **On-line and off-line measurement of diacetyl in beer – state of technology and prospects***
*Jan Biering (VLB Berlin) /
Dr. Anika Bockisch (TU Berlin)*

17:25 **Innovative and efficient CO₂ recovery for the brewing and beverage industry***
Dr. Uwe Kikillus / Dr. Roland Folz (Pentair)

18:00 to 19:00 Break and exhibition

18:15 bis 19:15 **General Meeting of Versuchs- und Lehranstalt für Brauerei in Berlin (VLB) e.V.**
Hotel Berlin

from 19:00 Bus transfer to the VLB Berlin

EVENING PROGRAM MONDAY

19:30 to 0:00 **Welcome Party**
VLB Berlin

GENERAL INFORMATION

The 105th VLB October Convention takes place at the Hotel Berlin, Berlin, Lützowplatz 17, 10785 Berlin, Germany. www.hotel-berlin.de

Presentation language is mainly German. A simultaneous translation German-English will be provided. In addition, English handouts are available.

Attendance fees	Breweries, Bottlers,	
	Maltings	other
Full congress ticket	940* €	1250* €
Day ticket Tuesday	600* €	800* €
Day ticket Wednesday	600* €	800* €
Malting Barley Seminar	350* €	460* €

* all prices plus German VAT / 25 % discount for VLB members

We have reserved a contingent of rooms under the reference "VLB" in the hotels which are in walking distance to the conference venue. www.vlb-berlin.org/en/oct2018

* PRESENTATION IN GERMAN – SIMULTANEOUS TRANSLATION WILL BE PROVIDED



TECHNICAL SESSION

TUESDAY, 16 OCTOBER 2018

BEER AND BEVERAGES IN FOCUS: MICROBIOLOGICAL ASPECTS, DRINKABILITY, FERMENTED BEVERAGES

Chair Dr. Martin Senz (VLB Berlin)

8:30 **Welcome and introduction**

8:35 **Application of PCR technology in the brewery: Experiences, demands and new challenges***

*Dr. Florian Priller / Markus Fandke
(BIOTECON Diagnostics GmbH)*

9:10 **The concept „drinkability“ – more than just tasting***

Dr. Roland Pahl (VLB Berlin)

9:45 **Acidic fermented beverages – between hype and functionality***

Dr. Martin Senz (VLB Berlin)

10:20 *Break and exhibition*

REDUCTION OF SUGAR IN BEVERAGES

Chair Dr. Thomas Hens (Gerolsteiner Brunnen)

10:50 **Introduction**

11:00 **Sugar containing beverages and health***

*PD Dr. med. Thomas Ellrott
(Georg-August-Universität Göttingen)*

11:35 **Reduction of calories and sugar in beverages: National and international developments, political and public discussions, solution concepts***

Dr. Detlef Groß / Manuela Windhausen (Wirtschaftsvereinigung Alkoholfreie Getränke (wafg))

12:20 **Technological measures for the reduction of sugar content in soft drinks and ready to drink beer mixtures***

David Rugies (Döhler, Darmstadt)

13:00 *Lunch break and exhibition*

TECHNICAL SESSION

- + Beer and beverages in focus: Microbiological aspects, drinkability, fermented beverages
- + Reduction of sugar in beverages

47TH INTERNATIONAL MALTING BARLEY SEMINAR

MALTING BARLEY SEMINAR

Chair	Henrike Vorwerk (VLB Berlin)
14:00	Welcome and introduction
14:10	Developments in the German and international barley markets after the crop 2018* <i>Winfried Manke (Avangard Malz AG)</i>
14:45	Between drought and constant rain – the importance of climate change for the cultivation of cereals in Europe <i>N.N. (Deutscher Wetterdienst)</i>
15:20	CRISPR & Co. – Chances and risks of modern breeding technologies* <i>Dr. Jon Falk (Saaten-Union BioTec GmbH)</i>
16:00	<i>Break and exhibition</i>
16:30	PCR-based identification of varieties in barley and malt – analysis, relevance, first results <i>Henrike Vorwerk (VLB Berlin)</i>
17:05	Danish Preferred – The New Danish Quality Evaluation Programme <i>Birger Eriksen (Sejet Plantbreeding/Danish Preferred)</i>
17:40	Characterisation of the amylolytical properties of malting barley – current insight from research* <i>Henrike Vorwerk (VLB Berlin)</i>
ca. 18:15	<i>Closing words</i>
18:00	<i>Farewell in the convention hotel</i>
21:00	<i>End of convention</i>



REGISTRATION

105th VLB October Convention
14 to 16 October 2018, Berlin, Germany

Versuchs- und Lehranstalt
für Brauerei in Berlin (VLB) e.V.
Veranstaltungsorganisation
Seestraße 13 / D-13353 Berlin

FAX: +49 30/450 80-210 or +49 30/453 60 69

ONLINE REGISTRATION: www.vlb-berlin.org/en/oct2018

I would hereby like to submit my binding registration:

- | | |
|--|--|
| <input type="checkbox"/> Congress ticket (940* € / 1250** €)
<input type="checkbox"/> I attend also to the Malting Barley Seminar*** | <input type="checkbox"/> Dayticket Monday
(600* € / 800** €) |
| <input type="checkbox"/> Dayticket Tuesday (600* € / 800** €)
<input type="checkbox"/> I attend also to the Malting Barley Seminar*** | <input type="checkbox"/> Malting Barley Seminar only
(350* € / 460** €) |

* Brewery, bottler or malthouse employee
** all others
*** the Malting Barley Seminar is included
in this ticket

All prices plus German VAT / 25 % discount for VLB members

TYPE OF PARTICIPANT

- Brewery, bottler or malthouse employee others

CERTIFICATE OF ATTENDANCE*

- I need a certificate of attendance no

* The VLB Berlin is an accredited body according to the Accreditation and Licensing Ordinance Employment Promotion (AZAV). Participation is recognized as a training or further education measure.

BY-PROGRAMM

Sunday, 14 October 2018

- Get-together at the Hotel Berlin (from 18:00)

Monday, 15 October 2018

- Welcome Party (19:30 to 0:00)

Tuesday, 16 October 2018

- Farewell at the Hotel Berlin (18:00 to 21:00)

Name, First name, Title	
Company	
VAT no.	
Street	ZIP, City, Country
Email	
Phone	Fax

Invoice to the address given above
 separate invoice address

VLB member yes
 no

Method of payment Invoice and bank transfer
 Mastercard Visa Amex

Card owner	Valid until
Card number	Card ID no

Date, signature, stamp

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CANCELLATION POLICY: For cancellations a service charge of 50 € plus VAT applies in general. Cancellations after September 21, 2018 are not subject to refund, but the ticket can be transferred to another person at any time.

Please fill out a separate form for each participant.
This registration does not include accommodation.