



6th ESST/VDZ Conference

Programme

Pavillon 15 (Earth Hall) of
Poznań International Fair
Poznań, 26 to 29 May 2019

Internet Access

1. Start Wi-Fi on Your device
 2. Select the wireless network MTP FREE WI-FI.
 3. Open any web browser (if the login window does not appear automatically enter address: www.wifi.mtp.pl)
 4. Select „Register” and fill out a short form. You will receive a login and password on Your mobile phone number.
 5. Log in to use MTP FREE WI- FI network.
- Your login and password can be used simultaneously on two devices.

Access for voting

Registration

Sunday, 26 May 16 to 19 h Pavillon 15 (Ground level)

Monday, 27 May 10 to 14 h Pavillon 15 (Ground level)

Sunday, 26 May 2019

15 h ESST Board
Pavillon 15, Level 2, Room 2.3

16 h 30 ESST Council
Pavillon 15, Level 2, Room 2.3

19 to 21 h ESST Reception
Pavillon 15, Ground level

Monday, 27 May 2019

8 h 30 VDZ-Ausschuss für Preisarbeiten
Pavillon 15, Level 2, Room 2.3

9 h 00 Arbeitskreis Junge Mitglieder
Pavillon 15, Level 2, Room 2.1

9 h 30 ESST Scientific Committee
Pavillon 15. Level 2, Room 2.2

10 h VDZ-Vorstand (Vorstand und Beirat)
Pavillon 15, Level 2, Room 2.3

Monday, 27 May 2019

14 h Opening
 B. Fetter, T. Kuhlmann

14 h 10 Explanation Voting Programme

Beet and cane – Chairman: F. Emerstorfer

14 h 15 Peter Rein
 Developments in the processing of sugarcane
 over the past 15 years

15 h 00 Th. de Witte, S. Balieiro, A. Lehnberger
 International competitiveness of value chains for
 sugar beet and sugarcane: a combined approach
 to estimate production and processing costs in
 Brazil and Germany

15 h 25 Coffee break

General Sugar Technology – Chairman: Stefan Frenzel

16 h 00 M. Wojtczak, R. Gruska, A. Antczak-Chrobot
 Influence of exopolysaccharides on juice viscosity

16 h 25 M. Wojtczak, R. Gruska, A. Antczak-Chrobot
 The impact of exopolysaccharides on purification
 process — filtration and sedimentation

16 h 50 K. Hulak, J. Iciek, R. Gruska
 Innovative energy and mass balance of a
 continuous vacuum pan

Monday, 27 May 2019

- 17 h 15 B.M. Muir, Stefan D. Schöpf, C. Meade,
V. Chaignon
Filtration of stored thick juice for the syrup
campaign
- 17 h 40 P. Baka, I. Błaszczka, A. Antczak-Chrobot,
M. Wojtczak
Effects of extraction temperature and sugar
beets' origin on conversion of nitrites and
nitrates during sucrose extraction
- 18 h 05 End

Evening Programme

- 18 h 15 Get-to-together in exhibition hall
- 20 h 15 End

Posters – Chairman: Piotr Wawro

9 h Introduction to Posters
10 × 5 Min Poster

10 h 00 3 × 10 min short presentation

G. Strüncmann

Alternatives for the utilization of 3D scanning as a part of “Virtual Plant Asset Management”

T. Koehorst

Sugar antiscalant optimization studies

U. Schwanke, A. Lehnberger

Digitalization and sugar industry. Impact of user experiences from around the globe on developments in automation and digitalization

10 h 30 Coffee break

Beet – Chairman: Maciej Wojtzak

11 h 00 Ch. Hoffmann
Future requirements on sugar beet quality – going beyond the basics

11 h 25 T. Grootsholten, J.L.M. Struijs
Effects of improved beet quality in recent decades on juice purification

11 h 50 B. Langebeck, Ch. Pipper, J. Jeppesen
Tops and tails as the biogas source

12 h 15 Lunch

Juice purification – Chairman: John Jensen

- 14 h 00 M. Adjari Rad, R. Dandar
Practical application of the SZ/RT-juice purification in industrial scale in the factory of Drochia (Moldova)
- 14 h 25 E. Flöter, K. Abraham
Comprehensive analyses on targeted dextranase applications in sugar manufacture
- 14 h 50 Coffee break

General Sugar Technology – Chairman: Timo Koch

- 15 h 20 M. Hünerlage, O. Arndt, M. Piplies
Lime kiln conversion from coke to natural gas operation – An option in direction of sustainable energy
- 15 h 45 C.K. Kohout, C. Ukowitz, F. Emerstorfer, W. Hein, W. Kneifel, K.J. Domig
Modern molecular biological methods for microflora characterization in sugar beet factories
- 16 h 10 Ch. Bergwall
Legionella in sugar factory water systems – a regulated future
- 16 h 35 F. Emerstorfer, A. Kogler, M. Omann, W. Hein
UV irradiation to control microorganisms in sugar production – developments at Agrana
- 17 h 00 End

Tuesday, 28 May 2019

Guest Programme

- 9 h 00 1000 years of Poznań,,
Guided sightseeing tour of Poznan by bus and
on foot
Lunch
Visit of Old Brewery (shopping and art center)
- 16 h 00 Return to Conference center

Evening Programme (at the Conference Center)

- 18 h 30 Reception
- 19 – 23 h Dinner

Tuesday, 28 May 2019

- 17 h 00 ISSCT-Landesverband Deutschland
Pavillon 15, Level 2, Room 2.3

9 h **VDZ-Mitgliederversammlung**
(nur für VDZ-Mitglieder / only for VDZ members)

Tagesordnung

1. Eröffnung
2. Bericht des Vorsitzenden
3. Bericht des Geschäftsführers
4. Bericht der Kassenprüfer
5. Entlastung des Vorstandes
6. Wahl der Kassenprüfer
7. Bericht aus dem Ausschuss für Forschung und Prüfung von Publikationen
8. Bekanntgabe des Tagungsortes 2020

Digitalization – Chairman: Eckhard Flöter

- 10 h I. Graessler, A. Poehler
Potentials of digitalization in the sugar industry
- 10 h 40 A.-K. Mahlein
Innovations in agriculture – how can sensors and robots support growing sugar beets?
- 11 h 20 Coffee break

General Sugar Technology – Chairman: Barbara Muir

- 11 h 45 Z. Bubnik, P. Kadlec, E. Sarka, V. Pour,
A. Hinkova, S. Henke
Evolution of the research on physico-chemical properties of sugars and sugar crystallization at the University of Chemistry and Technology in Prague
- 12 h 10 F. Geisendörfer, E. Flöter
On the challenge of increased inhomogeneities in industrial vacuum pans – the role of steam bubbles and their nucleation
- 12 h 35 A.G. Degenhardt, Th. Häbler, T.J. Koch
From bulk good to speciality sugar: The biotechnological development of sucrose to allulose
- 13 h 00 Voting for Best Paper Award
Closing remarks
- 13 h 15 End of conference