



Stowarzyszenie
Techników
Cukrowników



3rd ESST Conference

Programme

Joint meeting with
Verein Deutscher Zuckertechniker and
Stowarzyszenie Techników Cukrowników
NOT Building, Ulica T. Czackiego 3/5

Warsaw, 5 to 8 May 2013

Registration

Sunday, 5 May 16 to 19 h
Sofitel

Monday, 30 May 10 to 14 h
NOT Building, 2nd floor

Sunday, 5 May 2013

- 15 h ESST Board
Sofitel, Salon Saski
- 16 h 30 ESST Council
Sofitel, Salon Saski
- 19 h ESST Reception
Sofitel

Monday, 6 May 2013

- 8 h 30 VDZ-Ausschuss für Preisarbeiten
Sofitel, Salon Królewski A
- 10 h VDZ-Vorstandssitzung
Sofitel, Salon Królewski A
- 9 h 30 ESST Scientific Committee
Sofitel, Salon Saski
- 17 h ISSCT Landesverband Deutschland
NOT Building

Monday, 6 May 2013

- 14 h Opening
Marek Derezinski (President of Polski Cukier and PL Association of Sugar Producers – ZPC),
Presentation of the Polish Sugar Industry

Waste water treatment – Chairman: P. Wawro

- 14 h 35 H.-J. Jördening, W. Klosterhalfen, E. Kriesten:
Optimization of the anaerobic waste water
treatment plant in Lage sugar factory
- 15 h Coffee Break
- 15 h 30 A. van der Veen and T. van der Weg: Experiences
with anaerobic digestion and green gas
production
- 15 h 55 L. Diego, F. Martín, J. Sagristá, M. Hernández:
Sugar beet factory performance improvement
through anaerobic digestion (AD)
- 16 h 20 M. Spapens-Oerlemans, A. Wittenberg, J. Struijs:
Approach to better beet-washing
- 16 h 55 End

Evening Programme

- 19 h Marble Hall of Palace of Culture and Science
Plac Defilad 1, 00-901 Warszawa

Poster Session – Chairman: M. Bruhns

9 h Presentation of Posters

10 h 20 Coffee Break

Scale formation – Chairman: J. M. de Bruijn

10 h 55 J. M. de Bruijn: The origin of scale and lime salts control (Introduction)

11 h 15 S. Frenzel, T. Michelberger: A new test method to investigate and predict the scale potential of juices

11 h 40 D. Grossmann, J. Gryc, F. Stanjek: Composition, formation, removal and avoidance of scales in evaporators and heat exchangers of sugar factories

12 h 05 E. Abdel-Rahman, E. Flöter: Physico-chemical characterization of particles that cause turbidity of beet sugar solutions

12 h 25 Lunch

Deteriorated Beet – Chairman: J. Jensen

14 h D. Vermeulen, P. Gulden, A. Wittenberg: Experiences with the invert determination in the beet lab

14 h 25 W. Hein, F. Emerstorfer, T. Neururer: Experiences with the objective detection of deteriorated beet

Tuesday, 7 May 2013

14 h 50 M. Wojtczak, A. Papiewska, E. Chmal-Fudali, A. Antczak: Determination of the microbiological activity during the processing of damaged sugar beets

15 h 20 Coffee Break

Nitrite – Chairman: S. Frenzel

15 h 50 S. Frenzel: Overview of activities and preliminary results of the ESST Nitrite Study Group

16 h 15 D. Martin: Precision of the determination of nitrite in feed and status of the CEFS monitoring

16 h 40 F. Emerstorfer, W. Hein, C. Bergwall, M. Bengtsson, J. P. Jensen: Investigation of Nitrite Pathways in Sugar Beet Extraction – Evaluation and Characterization in the Laboratory Scale

17 h 10 End

Guest Programme

8 h 45 Sightseeing tour of Warsaw by bus
Old city – Lunch – Jagiellonian Rooms of the Royal Castle, Warsaw – Viewing terrace “30th floor” of Cultural Palace – Including Lunch and Coffee Break

Bus leaves from Sofitel

16 h Return

Evening Programme

19 h Centrum Nauki Kopernik (Technical Museum)
Wybrzeże Kosciuszkowskie 20
00-390 Warszawa

9 h VDZ-Hauptversammlung
(only for VDZ members)

Tagesordnung

1. Begrüßung und Bericht des Vorstandes
2. Bericht des Geschäftsführers
3. Bericht der Rechnungsprüfer
4. Entlastung des Vorstandes
5. Wahl der Rechnungsprüfer
6. Bericht aus dem Ausschuss für Forschung und
Prüfung von Preisarbeiten
7. Bekanntgabe des Tagungsortes 2014
8. Verschiedenes

General Sugar Technology – Chairman: T. Frankenfeld

- 10 h T. Koch: Operating a beet yard without antifoam agents
- 10 h 25 V. Kochergin: Evaluation of energy cane and sweet sorghum as feedstocks for conversion into fuels and chemicals
- 10 h 50 A. Antczak, K. Lisik, M. Wojtczak: The content of organic acids in cane and beet white sugars
- 11 h 15 Coffee Break

General Sugar Technology – Chairman: G. Schrevel

- 11 h 45 P. Wawro: Possible improvements of lime utilization efficiency
- 12 h 10 F. Hinson: Managing change in ABSugar's Chinese beet sugar factories
- 12 h 35 M. Carter, St. Heppner, T. B. Andersen: Theoretical and practical experiences with molasses exhaustion in Nordzucker
- 13 h Closing remarks

Poster Session – Chairman: M. Bruhns

1. J. A. Jiménez Hernández, A. García Zamarreño, G. Maté Araus: Azucarera Carbocal (carbonation mud) utilization for mushroom culture optimization
2. F. Rousset: Update on beet juice softening by ion-exchange
3. T. J. Koch, J. Venus, M. Bruhns: Sugar beet thick juice in lactic acid fermentation
4. M. Wojtczak, A. Papiewska: Microbiological purity of raw and refined white cane sugar
5. P. Blundell, J. Warner, C. Bryant: New developments in decolourisation using activated carbon that reduce operating costs and improve efficiency
6. P. Blundell, T. Gourinath, D. Reeves: The use and advantages of air cooled vacuum steam condensers in sugar refining applications
7. G. Caspers, K. Nammert, H. Fersterra, H. Hafemann, A. Lehnberger: Fluidised bed and steam drying news
8. F. Bartocci: Grape sugars production – Description of a new industrial plant installed in Sicily (Italy)
9. S. Stauer: Revival of the low temperature belt dryer for sugar beet pulp
10. O. Vidal, H. Mhemdi: Extraction of juices using pulsed electric field technology at industrial pilot
11. M. Pierotti: A presentation on the integration of all-welded, one-piece Johnson Screens® Vee-Wire® screen baskets for continuous centrifugal operation in the sugar industry

Organizers

ESST – European Society for Sugar Technology
www.esst-sugar.org

VDZ – Verein Deutscher Zuckertechniker
www.zuckertechniker.de

ESST Programme Committee

J. M. de Bruijn (President)

M. Bruhns

T. Frankenfeld

J. Jensen

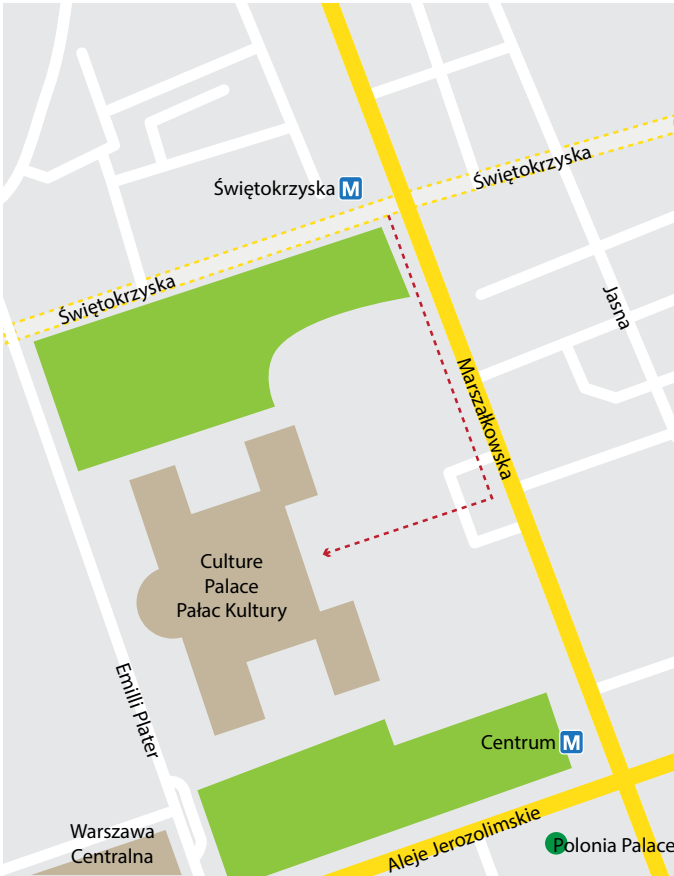
G. Schrevel

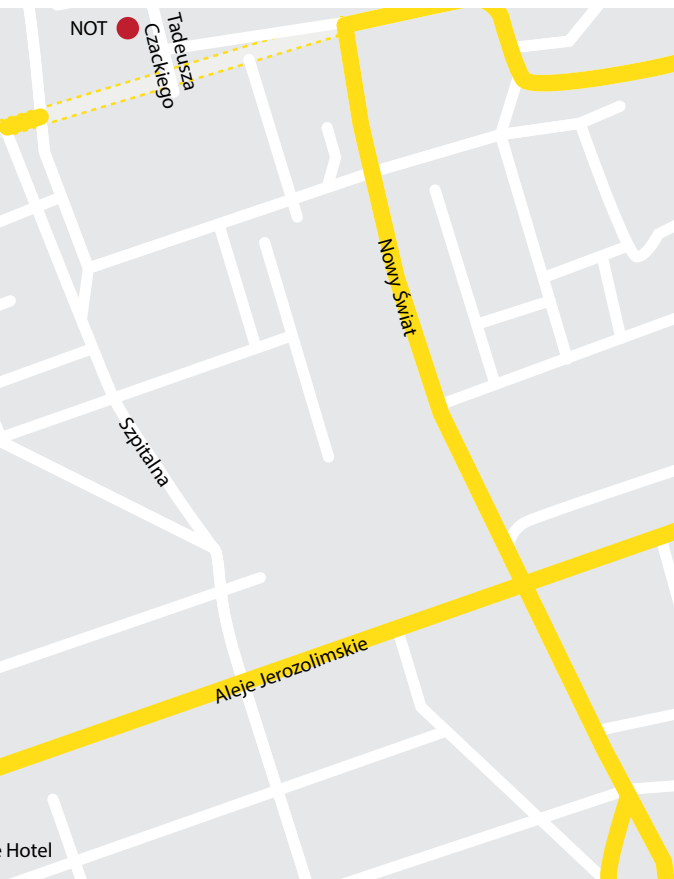
Directions Monday Evening

Directions to entry of Cultural Palace.

Please walk from Sofitel to NOT Building and take a right at Ulica Świętokrzyska

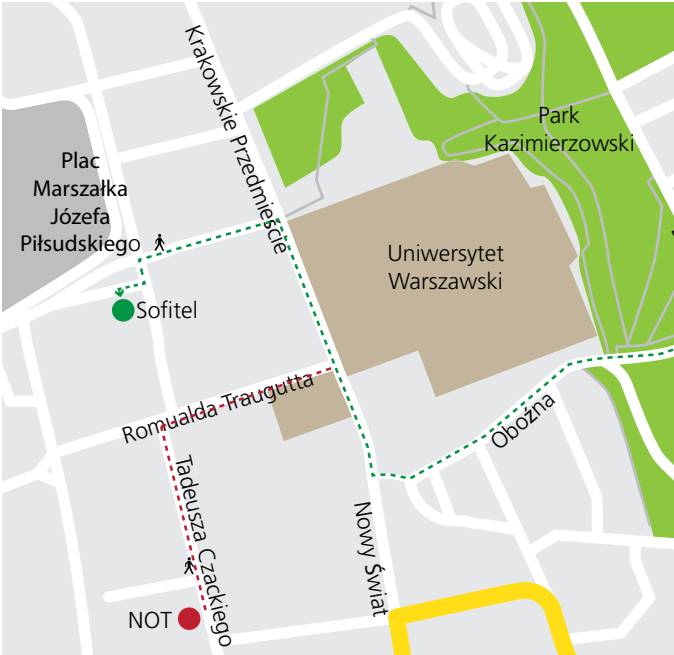
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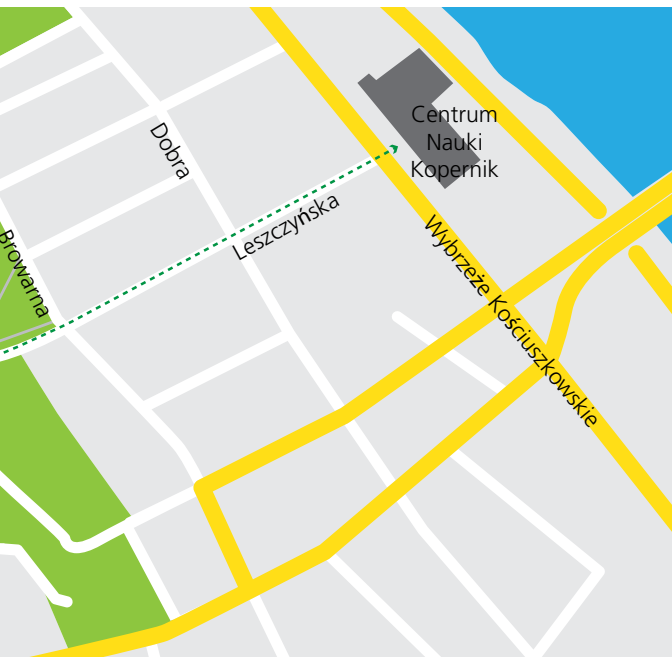




Directions Tuesday Evening

Route from Sofitel and NOT Building
to Centrum Nauki Kopernik (Technical Museum)





ESST Members

Sugar producers

Acor
AGRANA Zucker GmbH
The Andhra Sugars Ltd
Azucarera Iberia, S.L.
British Sugar plc
Co.Pro.B.
Cristal Union
HSI – Hellenic Sugar Industry S.A.
Krajowa Spółka Cukrowa S.A.
Lantic Sugar Inc.
Nordzucker AG
Pfeifer & Langen GmbH & Co. KG
Shakarganj Mills Limited
Südzucker AG
Suiker Unie
Zuckerfabriken Aarberg und Frauenfeld AG

Sugar Technologists Associations

American Society of Sugar Beet Technologists
Associazione Nazionale fra i Tecnici dello Zucchero e dell'Alcole
Fachverein der Zuckerfabriken Österreichs
SNFS – Syndicat National des Fabricants de Sucre de France
Stowarzyszenie Techników Cukrowników
Verein Deutscher Zuckertechniker

Suppliers

A.Krüss Optronik GmbH
ARi Amalgamated Research Inc.
AVANCE
Anton Paar OptoTec GmbH
BMA Braunschweigische Maschinenbauanstalt AG
BWS Technologie GmbH
Barriquand Technologies Thermiques
BetaTec Hopfenprodukte GmbH
Broquet Pumps G. Briere S.A.
Büttner Energie- und Trocknungstechnik GmbH

ESST Members

Cemsan Dis Tic. Ltd Sti.
DEFOTEC Entschäumer Vertriebs GmbH
EATON Technologies GmbH
ESCON Engineering Services & Consulting GmbH
Eberhardt GmbH
EnerDry ApS
FLSmidth Wiesbaden GmbH
GEA Ecoflex GmbH
Gaudfrin
Germaines Seed Technology
Herold & Co. GmbH
IKB Industrieplanung GmbH
IPRO Industrieprojekt GmbH
ITECA SOCADEI
JVK Filtration Systems GmbH
Johnson Screens
KS Klemens Senkowski
KWS SAAT AG
Keller & Bohacek GmbH & Co. KG
MAUSA S.A. Equipamentos Industriais
Maguin S.A.S.
Nalco Europe BV
Neltec Denmark A/S
Novasep Process SAS
Optical Activity Ltd.
pro/M/tec Theisen GmbH
Putsch GmbH & Co. KG
Rotex Europe Ltd.
SESVANDERHAVE N.V./S.A.
SIEMENS AG
Sadam Engineering srl
Schill + Seilacher „Struktol“ GmbH
Schmidt + Haensch GmbH & Co. KG
Silver Weibull Sweden AB
Solex Thermal Science, Inc.
Stord International AS
Stork Veco B.V.
Sugars International LLC
Sulzer Pumps Finland Oy
Swiss Combi, W. Kunz dryTec AG
Venema Automation B.V.

Exhibitors

Barriquand

BMA

Eberhardt

EnerDry

ESCON

FISCHBEIN S.A.

I PRO Industrieprojekt GmbH

ITECA

JOHNSON SCREENS

Kemira

Maguin

MAHLE Industry

Neltec Denmark

Novasep

NPI Sp. z o.o.

Polimex-Cekop

Pol-Inowex S.A.

Progress Eco S.A.

pro/M/tec

Putsch Group

Schmidt + Haensch

Silver Weibull

VRL Automation