

Program

Tuesday, 7 December 2010

TECHNOLOGIES

- 08:30 *Transfer from hotel to TTC*
- 08:45 *LogIN*
- 09:00 Introduction *Klaus Eichler*
- 09:15 Pan Coating *Philip Parmentier*
- 10:00 Fluid bed spray coating *Atul Mehta*
- 10:45 *Coffee break*
- 11:15 Dry powder coating *Caroline Kablitz*
- 12:00 Encapsulation by prilling *Samira El Mafadi*
- 12:45 *Lunch and factory tour to look at production size coating equipment*
- 14:00 Coacervation and interfacial polymerization *David Hunkeler*
- 14:45 Encapsulation with cyclodextrines *Helmut Viernstein*
- 15:30 *Coffee break*
- 16:00 Hot and cold lipid coating *Axel Kuschik*
- 16:45 Opportunities and challenges for functional filmcoating *Ian Robertson*
- 17:30 *Transfer to hotel*
- 19:30 *Workshop dinner*

Wednesday, 8 December 2010

MATERIALS

- 08:45 *Transfer from hotel to TTC*
- 09:00 Physico-chemical properties of coatings - measurement and application to improve product performance *Frank Thielmann*
- 09:45 Overview on the most popular coating materials for pharmaceuticals, food and feed *Dirk Schmalz*
- 10:45 *Coffee break*
- 11:15 Coating quality and functionality of film coatings: Do they go hand in hand? *Gabrie Meesters
Frédéric Depypere*
- 12:15 *Lunch*
- 13:15 Important film coating and formulation parameters in processing Eudragit polymers *Wolfgang Weisbrod*
- 14:15 Modelling the Wurster process *Stefan Heinrich*
- 15:00 Process demonstrations:
● Pan coating *Philip Parmentier*
● Bottom spray film coating *Atul Mehta*
● Top spray lipid coating *Axel Kuschik*
- 17:30 *Transfer to hotel*
- 19:30 *Workshop dinner*

Thursday, 9 December 2010

APPLICATIONS

- 08:45 *Check-out from hotel and transfer to TTC*
- 09:00 Moisture protection for pharmaceutical products *Florian Wildschek*
- 09:45 Enteric coating *Krisanin Chansanroj*
- 10:30 *Coffee break*
- 11:00 Continuous coating in the food and detergent industry *Jens Boshold*
- 11:45 Impact of compression on film-coated micropellets *Katrin Ooppel*
- 12:30 *Snack buffet and LogOUT*
- 13:30 *Transfer to Badischer Bahnhof Basel / Airport*



Workshop no. 161

Functional Filmcoating

**barrier coating
enteric coating
controlled release
target release**



Binzen, 7 - 9 December 2010

Background

For many years the powder processing industries have been working in the field of protecting valuable substances for improved stability or for achieving a defined function, without sharing their individual experiences. Nowadays however it has been realized that all sections of the industry have more or less been working with the same technologies, just using other core materials and excipients.

This workshop strives to deliver a state-of-the-art overview on the most popular industrial techniques, the principles of which are theoretically explained by internationally renowned experts. During the practical sessions the co-extrusion process and some spray coating techniques are also demonstrated, providing the attendees with practice-orientated advice for future preventative trouble-shooting.

Who should attend

Anyone from fine chemical, cosmetic, feed, food, nutraceutical and pharmaceutical industry, responsible for adding value to products by a functional coating or encapsulation process, i.e. odor or taste masking, protection against moisture, oxygen, light or chemical reaction, and for controlled or targeted release of active ingredients.

Speakers

Jens Boshold

Glatt Ingenieurtechnik, Germany

Dr. Krisanin Chansanroj

University of Basel, Switzerland

Dr. Frédéric Depypere

Ghent University, Belgium

Prof. Dr. Stefan Heinrich

Hamburg Technical University, Germany

Dr. David Hunkeler

Aqua+Tech, Switzerland

Dr. Caroline Kablitz

Novartis Animal Health, Switzerland

Axel Kuschk

IPC, Germany

Dr. Samira El Mafadi

ENITIAA, France

Dr. Gabriele Meesters

DSM Food Specialties, The Netherlands

Dr. Atul Mehta

Mehta Consulting, USA

Dr. Katrin Oppel

ADD, Switzerland

Philip Parmentier

Glatt AG, Switzerland

Ian Robertson

Colorcon, UK

Dr. Dirk Schmalz

HARKE Pharma, Germany

Dr. Frank Thielmann

Novartis, Switzerland

Prof. Dr. Helmut Viernstein

University of Vienna, Austria

Wolfgang Weisbrod

Evonik, Germany

Dr. Florian Wildschek

BASF SE, Germany

Moderation

Klaus Eichler

Technology Training Center, Germany

Details

- The participation fee is € 1.640,- (exclusive of VAT). This fee includes participation, accompanying course notes, daytime catering and dinner. Any other expenses are to be borne by the attendee.
- Free attendance granted to a limited number of students.
- Participation is limited. Registrations will be confirmed on a first come first serve basis.
- Courses taking place in Germany are subject to Value Added Tax (VAT).
- Each participant will receive a certificate of attendance at the end of the course.

Organisation

TTC (Technology Training Center)

Klaus Eichler / Bianca Nowak

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For further information or online-registration please visit

www.ttc-binzen.de

Place of venue

Technology Training Center

Binzen, Germany

Registration TTC 161

Functional Filmcoating

7-9 December 2010

First name _____

Last name _____

Company _____

Dept. _____

Function _____

Street _____

City _____

Zip Code _____

Country _____

Phone _____

Fax _____

Email _____

- Accommodation required - we will make the hotel reservation for you.

Check-in-day _____

Check-out-day _____ = _____ Nights

Approx. Euro 95,00 / Night incl. breakfast

 [Click here to register online](#)