



9th INTERNATIONAL CONFERENCE Ghent, Belgium

2 Sep pm: Seminar: Freeze Dry Fundamentals
3 Sep am: Process Development / QbD / PAT
3-6 Sep: Conference, Exhibits, Posters

Dear Lyo Professional,

On behalf of the International Society for Lyophilization and Freeze-Drying (ISL-FD Inc.), I would like to cordially invite you to attend our 9th International Conference in Ghent, Belgium. We will have a weeklong event filled with presentations given by some of the leading academic and industrial researchers in lyophilization science. In addition to the Conference technical presentations, there will be a seminar, a workshop, student and professional posters, vendor exhibits, and plenty of time allotted during breaks and lunch for networking opportunities. We plan on visiting industrial facilities, touring the area's fine beer purveyors, and we will have a gala dinner as well.

ISL-FD is an all-volunteer, non-profit organization dedicated to promoting and advancing the field of lyophilization (lyophilisation). I hope to see you in Belgium!

Kevin. R Tebrinke, PE. President, ISL- FD Inc.

Our Conference will provide value for **Business, Science, Engineering, and Operations Leaders and Technicians** for those involved in the art and science of lyophilization:

- Freeze-drying process
- Cycle Development
- Optimization
- Product Modeling
- Quality by Design
- Infrastructure Design
- Process Chemistry
- Cells and Organisms
- Latest Concepts in Development
- Freeze Drying Equipment
- Regulatory Aspects and Compliance
- Medical Devices
- Sterile Manufacturing
- Pharmaceutical Production
- Engineering Considerations
- Measurements
- Formulation Chemistry



<http://islyophilization.org>



LinkedIn ISL-FD Group

2 September: Seminar: Fundamentals of Freeze Drying and Formulation

14:00 – 17:00

Course leader: Dr. Steven Nail

This session is mainly dedicated to those professionals from the pharmaceutical industry involved who are newer to the industry. The one-day Freeze Drying Seminar will provide training and discussion of practical aspects, including Freeze Drying Basics, Equipment Design and Functionality, and Process and Machine Concepts

What does it include?

- ✓ Interactive Seminar Environment
- ✓ Related materials
- ✓ Internet connection into meeting room



3 September – Workshop: From drug to process development, QdD, PAT

8:30-11:30

Workshop leader: Prof. Thomas De Beer

This session will be of interest to those professionals who are experienced in the development process and wish to gain insight into advanced concepts and current thinking in the industry.

Main topics:

- ✓ Modeling of the process
- ✓ Scale up parameters
- ✓ Optimize the process
- ✓ Verification of the process
- ✓ How to satisfy the authorities
- ✓ Cases

What does it include?

- ✓ A morning of lecturing
- ✓ Workshop materials
- ✓ Internet connection into meeting room
- ✓ Morning coffee break
- ✓ Lunch



3 September: Conference, Exhibits, Poster Presentations

11:30 - 12:40 Registration & Welcome lunch

12:40 - 12:50 Kevin Tebrinke & Jos Corver. Symposium Introduction

12:50 - 13:30 KEYNOTE: Steve Nail. Past, present, and future in lyophilization

SESSION 1. Formulation & Chemistry

13:35 - 15:00 Selected Speakers

15:05 - 15:20 Panel discussion

15:20 - 16:00 Coffee & Networking break

SESSION 2. Biopharmaceuticals, biologics & medical applications

16:00 - 17:25 Selected Speakers

17:30 - 17:45 Panel discussion

17:45 - 18:00 Kevin Tebrinke & Jos Corver. Day 1 wrap up

19:00 - ... ***Ghent & "Beer" tour***



4 September: Conference, Exhibits, Poster Presentations

8:20 - 8:30 Kevin Tebrinke & Jos Corver. Reflections on Day 1

8:30 - 9:10 KEYNOTE: Model-based tools for cycle development and scale-up

SESSION 3. Process development, monitoring & scale-up

9:15 - 10:40 Selected Speakers

10:45 - 11:00 Panel discussion

11:00 - 11:30 Coffee & Networking break

SESSION 4. Equipment & design & control

11:30 - 12:55 Selected Speakers

12:30 - 12:45 Panel discussion

13:00 - 13:15 Lunch box

13:15 - 14:00 Visit to Pharma facilities



5 September: Conference, Exhibits, Poster Presentations

8:20 - 8:30 Kevin Tebrinke & Jos Corver. Reflections on Day 2

8:30 - 9:10 KEYNOTE 3. Challenges in continuous lyophilization

SESSION 5. Competing technologies for lyophilization

9:15 - 10:40 Selected Speakers

10:45 - 11:00 Panel discussion

11:00 - 11:30 Coffee & Networking break

SESSION 6. Emerging technologies & process intensification

11:30 - 12:55 Selected Speakers

12:55 - 13:15 Panel discussion



5 September: Conference, Exhibits, Poster Presentations

13:15 - 14:45 Lunch

SESSION 7. Industrial session

14:45 - 16:05 Selected Speakers

16:05 - 16:25 Panel discussion

16:25 - 16:30 Kevin Tebrinke & Jos Corver. Day 3 wrap up

18:30 - ... Gala dinner



6 September: Conference, Exhibits, Poster Presentations

8:20 - 8:30 Kevin Tebrinke & Jos Corver. Reflections on Day 4

8:30 - 9:10 KEYNOTE 4. Factory for the future

SESSION 8. Regulatory & PAT

9:15 - 10:40 Selected speakers

10:40 - 10:55 Panel discussion

10:55 - 11:15 Coffee & Networking break

SESSION 9. Young Researcher in Life Sciences & Lyophilization

11:15 - 12:50 PhD STUDENTS

12:55 -13:10 Kevin Tebrinke & Jos Corver.

Awards & Symposium conclusions & proposed next steps



FEES (€)

Packages	Standard Rate	Before 1 April	Special (Gov / Academic)	Special Before 1 April
Seminar	600	500	450	350
Workshop	600	500	450	350
Conference*	1500	1400	1125	1025
Seminar + Workshop, no conference	800	700	600	500
Conference* (Poster Discount)^	1300	1200	975	875
Seminar or Workshop + Conference*	1800	1700	1350	1250
Seminar or Workshop + Conference* (Poster Discount)^	1600	1500	1200	1100
Full Package*	2000	1900	1500	1400
Full Package* (Poster Discount)^	1800	1700	1350	1250

* - The Gala Diner is included with all Conference Packages!

^ - We provide a financial incentive to those who are Poster Presenters!

VERY IMPORTANT NOTE: It is the intention of ISL-FD to maximize the possibility to learn, share, and impart knowledge on freeze drying through the Society's meetings, therefore, the ISL-FD can possibly offer financial support for those who may be eligible for a fee reduction based on need. So please, consult us for a possible reduction at: islfd.inc@gmail.com

You can pay by wire transfer or credit card, but please fill the registration form on: <http://islyophilization.org/>
For payment details please contact Zhongping Huang: zhuang@mail.widener.edu

SPONSORS

The ISL-FD is inviting potential sponsors to contribute with our 9th International Conference on Lyophilization and Freeze Drying to be celebrated in **Ghent, Belgium on 2-6 September, 2019**. Sponsors may contribute in many ways; however, those who make relevant contributions will get special benefits from the conference. The Organizing Committee will include the logo of every Sponsor in our publications concerning the Conference.

SPONSOR BENEFITS

Supporting partner: € 5,000:

- ✓ Promotion on Conference brochure as Supporting Partner.
- ✓ 1 free registration for Conference.

Silver Sponsor: € 10,000:

- ✓ Promotion on Conference brochure as Silver Sponsor.
- ✓ 1 free registration for Conference and 50% discount for Registered Staff.
- ✓ 1 free stand in the exhibition hall.

Gold Sponsor: € 20,000:

- ✓ Promotion on Conference brochure as Gold Sponsor.
- ✓ 1 free registration for Conference and 50% discount for Registered Staff.
- ✓ 1 free stand in the exhibition hall.
- ✓ 1 oral presentation of 30 min in Conference + free registration of the speaker.
- ✓ A copy of full list of attendees to Conference.

To become a Sponsor, please contact:

Jorge Sassone

Email: jorge@improved.com.br

Phone: 00 55 11 4056-5193 or 4048-2818



HOTELS

We are very excited to be in Belgium this year. It is a very popular place, so it is important that you make reservations early to attend the event! We've collected information on suggested hotels, with discounts where possible.

1. **Hotel Ibis Gent Kathedraal**

- single room: € 117 per room per night (breakfast + city tax included)
- double room: € 135 per room per night breakfast + city tax included)
- Please make reservation before July 26
- *email:* H0961-re@accor.com
- Mention booking code **ISLFD2019**

2. **Pillows Grand Hotel Reylof** (Book ASAP)

- Luxury Room Middle: € 165,00 per room, per night
- Luxury Room Grand: € 185,00 per room, per night
- Pillows Suite: € 225,00 per room, per night
- Supplement breakfast: € 25,00 per person
- Supplement city tax: € 3,00 per person, per night
- *email:* groupsandevents.grandhotelreylof@pillowshotels.com
- Mention booking code **ISLFD2019**

3. **NOVOTEL Gent Centrum**

- *website:*

http://www.accorhotels.com/accorhotels/fichehotel/gb/nov/0840/fiche_hotel.shtml

- Mention booking code: **SC372063412**

4. **Erasmus hotel Gent**

- *email:* info@erasmushotel.be
- *website:* www.erasmushotel.be

5. **Historic Hotels Belgium – Monasterium Poortackere**

- *email:* peter@monasterium.be
- Mention booking code ISLFD2019

6. **Europahotel Gent**

- *website:* www.europahotel-gent.be
- *email:* Monique@europahotel-gent.be

7. **Holiday Inn Express**

- UGent

8. **1898 The Post**

- *website:* <http://www.zannierhotels.com/1898thepost/en/>
- Booking code: **UGHENT**

9. **Hotel Gent Marriott (hotel where speakers will stay)**

- Book your group rate for FFW Universiteit Gent

10. **Park hotel**

- *website:* www.parkhotelgent.be
- *email:* parkhotel@telenet.be
- Booking code: **ISLFD2019**