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
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
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
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
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 continuously 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
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

Awards & Symposium conclusions & proposed next steps
# FEES (€)

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<tr>
<th>Packages</th>
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* - 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: isld.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
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**
   - 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**
   - 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