

TECHNOLOGICAL INNOVATIONS IN PHARMACEUTICAL INDUSTRY

9 November 2017 at 8:30-17:00

Technological Innovations in Pharmaceutical Industry - a Glance of the Future

The pharmaceutical industry has a poor track record when it comes to adoption of new technologies and smarter ways to bring new medicines to the market. The industry is facing several challenges:

- Patients expect innovations in not only the drug efficacy but also the devices and applications used to administer the drug.
- The regulatory bodies are increasing their expectations to the level of product and process understanding demonstrated not only during development but throughout the entire life cycle of the drug.
- The commercial environment is getting harsher, as healthcare payers impose new cost constraints on healthcare providers, now linking cost to the value of the medicine.

These challenges should not be seen as obstacles by the pharmaceutical industry but rather as opportunities to implement newest technological innovations and streamline their work processes, ultimately creating a more sustainable business.

We want the audience to have a good time, feel inspired and leave the conference with an optimistic look at the future and the opportunities it provides us.

**So come join us at ISPE Nordic Annual Meeting 09.11.2017
in the beautiful city center of Stockholm.**

To be held at: Radisson Blu Waterfront, Nils Ericsons Plan 4, 111 64 Stockholm, Sweden



ISPE NORDIC AFFILIATE 2017 ANNUAL CONFERENCE

Technological Innovations in Pharmaceutical Industry

Thursday 09 November 2017

Radisson Blu Hotel Waterfront, Nils Ericsons Plan 4, 111 64 Stockholm, Sweden

- 08:30 - 09:15 Registration, coffee & Visit table top exhibition
- 09:15- 09:30 **Welcome and setting the scene, ISPE Nordic intro**
Ylva Ek (Vice Chair of ISPE Nordic Affiliate)
- 09:30 - 10:10 **A roadmap to building a new site with new technology**
Bill Wilson, Programme Director, AstraZeneca Global Biologics Operation, Sweden
-  10:10 - 10:50 **Free flowing sensors in bio production – what can we use this new technology for?**
Niels Jensen, CEO, Freesense, Denmark
- 10:50 - 11:30 **Your projects are your future business**
Kasper Iven Skjold, Chief Revenue Officer, Forecast ApS, Denmark
- 11:30 - 12:00 Coffee break – Visit table top exhibition  
- 12:00 - 12:40 **How to adjust a SMART future for people. Challenges with designing good smart systems for humans.**
Karin Eklund, Team Manager User Experience, Semcon, Sweden 
- 12:40 - 13:40 Coffee break – Visit table top exhibition
- 13:40 - 14:20 **Lab-on-the-Chip in Chemical and Biochemical Engineering**
Ulrich Krühne, Assoc. Prof., Chemical & Biochemical Engineering, DTU
- 14:20 - 15:00 **Continuous manufacturing from a technical and business perspective**
Eric Jayjock, Director of Continuous Manufacturing, Patheon, USA
- 15:00 - 15:30 Coffee break – Visit table top exhibition 
- 15:30 - 16:00 **ISPE Nordic Affiliate Annual General Meeting – election of new board**
Henrik Goldschmidt, Chair of ISPE Nordic
- 16:00 -17:00 **Technologies of the Future and People - innovation, disruption and how we all react**
Jesper Bo Jensen (keynote speaker), Owner of Fremforsk – Center for Fremtids forskning, Denmark
- 17:00 -17:15 **Rounding up and adjourn**
- 17:15 -18:30 Networking & refreshments
- 18:30 Dinner with entertainment

SPEAKERS AT THE CONFERENCE

Synopsis for Conference:

The theme for this year's annual meeting is New Technologies. The theme is broad which is reflected in the program, including topics such as innovations in PAT for scale-up of bioprocesses, miniaturized lab-on-a-chip, development of medical devices, and effective digital project execution. Joining the speaker panel, will be representatives of smaller start-up companies who have given themselves full degrees of freedom when developing their innovative solutions and ultimately commercializing these. A futurist will close the formal part of the program by giving us an inspirational look into the future.



Bill Wilson, Operations Programme Director, AstraZeneca, Sweden

He is an Electrical Engineer by background and have worked for AstraZeneca for 15 years in a range of roles in Engineering, Project and Change Management, Procurement and Supply Chain. For the last 4 years Bill has been part of the AstraZeneca Global Biologics Operations function. He is currently the Operations Programme Director for the new Sweden BioManufacturing Centre being built in Södertälje, Sweden. New technology, accelerating process development and a desire to increase the pace of new products into commercial production continues to be a challenge to those involved in facility build projects. How can the programme be effectively delivered with new technology whilst ensuring commercial and compliance to regulatory requirements are built in from the start? The presentation will provide an overview and update on the programme to establish a new manufacturing capability within AstraZeneca.



Niels Jensen, Chief Executive Officer, Freesense, Denmark

Niels Jensen has a background as master from the business business school and have worked as a business consultant with large international companies such as Flextronics, ITW and L'Oréal. Further he has been part of the senior management of technology companies such as Philips and GN where applying new technology to customers have been an integral part of his work. We will show process data from fermentation tanks bringing new insights to the production process with data never available before. Among other things we will show actual data about circulation time in large scale bioreactors. We will also show the perspectives of the technology in terms of mapping stagnant regions in large scale bioreactors. Finally we will touch upon the perspectives of the technology in terms of better understanding scale up process and optimizing existing production processes.



Kasper Iven Skjold, Chief Revenue Officer, Forecast ApS, Denmark

Kasper has sales background from Berlingske, IBM and SAS Institute. He is experienced doing inside as well as solution sales. His everyday job is to lead all commercial and customer aspects at Forecast.it. This is done by having a great team of both project, sales, marketing, and customer success professionals. Everyone of them focused on getting clients successful with Forecast! He has been fortunate to learn from the best within the IT industry and the media industry. This combined with his education in Supply Chain Management and economics sets a solid foundation for solving complex challenges. Business' are increasingly introducing programs and projects as a method to secure future business. The presentation demonstrates how the use of AI can enable predictability and simplify the complexity of having multiple large projects and programs running simultaneously.



Karin Eklund, Team Manager User Experience, Semcon, Sweden

Karin Eklund has 20 years of experience in working with User Experience and design of digital solutions and support companies in their business, technical and user experience strategies. Companies she has worked for during her career are for instance Volvo Cars, GE, Ericsson, Jaguar Land Rover and Ascom. She is now manager for one of the biggest User Experience teams in Sweden at Semcon. A burning question in user experience is: How stupid are smart products and production anyway? There are a lot of challenges with designing good smart, systems for humans. One of the main difficulties is to understand the intention of the user and interpret that correctly for the system to be able to correspond accurately. Connectivity requires new design patterns and new ways of validate the different solutions".



Ulrich Krühne, Assoc. Prof., Process and Systems Engineering Center (PROSYS), Department of Chemical and Biochemical Engineering, Technical University of Denmark (DTU) / Denmark

He received his PhD degree in process control at the Technical University of Denmark at the department of Chemical Engineering in 2001. He has been working throughout the last years with microfluidic technology. From 2001 to 2003 he was administrative director of the Danish entity of a startup company (Celtor Biosystems A/S) developing microfluidic based bio sensors and worked afterwards for 8 years at a private Danish research institute (Danish Technological Institute) in the field of chemical, biochemical and medical microfluidic developments. His field of expertise is along with microtechnological prototyping CFD based activities at the PROSYS research group.



Eric Jayjock, PhD, Director of Continuous Manufacturing, Patheon, USA

Eric Jayjock performed his graduate studies at Rutgers University where he was a part of the NSF Center for Structured Organic Particulate (C-SOPS) systems. During his time at Rutgers, one of his main areas of research was the development of scalable manufacturing processes for oral solids dosages. As a culmination of this work he designed and coordinated the construction of the C-SOPS continuous direct Compression line in collaboration with Janssen, a Johnson & Johnson company. Upon the completion of this work Eric join the Janssen team and worked on bringing the continuous manufacturing approach to the industry. For the past several years, Eric been the Director of Continuous Manufacturing at Patheon where he is focused on developing highly flexible, highly capable continuous manufacturing framework to serve the diverse needs of the Pharmaceutical Industry.



Jesper Bo Jensen, PhD, Owner of Fremforsk – Center for Fremtidsforskning, Denmark

He is a well-known lecturer with many years of experience in combining the communication of knowledge with a captivating and humorous presentation. He has held lectures about the future since the beginning of the 1990's and has since then made it his virtue to adapt each seminar to the client in question by the specific combination of knowledge and challenges that is required in each specific case. People are the uncertain factor in relation to the future. Everything else - including the technological development - we can more or less predict for the next 10-25 years. But people change direction all the time. This is the pivotal point in Jesper Bo Jensen's work with the future and is recaptured in the topics that he is most known for working with: Customers and the retail trade, residential development, financial customers, employees and management, the spirit of the times, trends and new tendencies, population trends, use of time and the modern family.

REGISTRATION

Please register online: [REGISTER NOW](#)

Category	ISPE Member Conference	Non-member Conference + 1 year membership
Industry	500 €	750 €
Young Professional	300 €	400 €
Regulatory Authority	100 €	100 €
Academic (teacher)	300 €	400 €
Students/Retired	75 €	150 €
Dinner only	150 €	150 €

Early Bird Discount of 15% on the conference if you register before 01. October 2017.

Cancellation policy: Refunding in case of cancellation is possible until 01. October, against service fee of € 50. 0% refund in case of cancellation after this date. The conference registration can be transferred to other participant within same category (but not from member to non-member), that will cost a service fee of € 25.

Annual General Meeting will be held in the afternoon and it will be possible to participate in this and the last presentation free of charge. Participation in the dinner afterwards is sold separately.

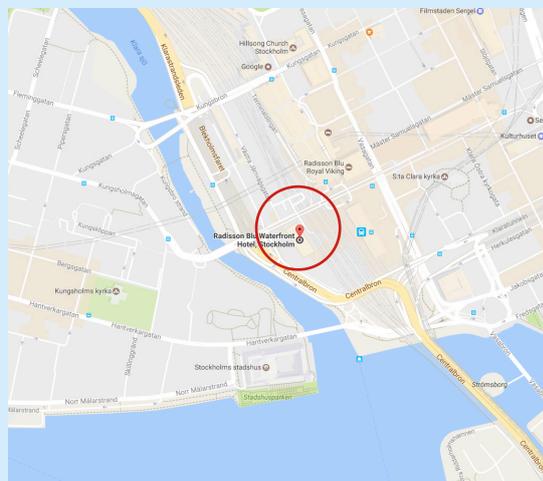
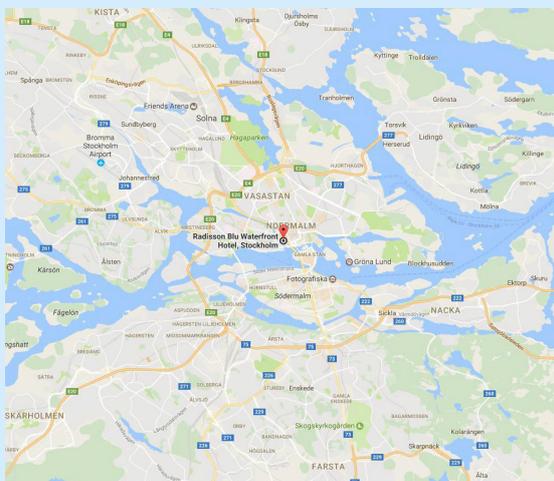
Table Top Exhibition:

This conference is an excellent opportunity to meet people working with all kinds of aspects within Pharmaceutical Production. We can offer a limited number of Table Top Exhibition possibilities **for only € 650** (please observe that the conference fee is not included). Contact us for further information.

Questions regarding the event:

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Venue: Hotel Radisson Blu Waterfront, Nils Ericsons Plan 4, 111 64 Stockholm, Sweden



Conference sponsor: