



Membrane processes for food and biotech industry: Principles, membranes, applications and design

27. – 28. November 2021

Tivoli Congress Centre, Copenhagen, Denmark

Day 1

09:00 Registration

10:00 Welcome with coffee

Frank Lipnizki, Lund University, Sweden

10:15 Introduction to membrane processes with focus on pressure-driven processes

Frank Lipnizki, Lund University, Sweden

12:00 Lunch

13:30 Membranes

Alberto Figoli, Institute on Membrane Technology, National Research Council, ITM-CNR, Italy

15:00 Coffee

15:30 Membrane applications: Biotechnology

Cristiana Boi, University of Bologna, Italy

16:30 Membrane applications: Food industry excluding dairy industry

Frank Lipnizki, Lund University, Sweden

17:30 Membrane fouling and cleaning

Frank Lipnizki, Lund University, Sweden

18:00 End of first day

19:00 Dinner

Day 2

8:30 Processes design and membrane modules including a spiral autopsy

Frank Lipnizki, Lund University, Sweden

10:00 Coffee Break

10:30 Plant economics and how to design a membrane plant including an exercise

Frank Lipnizki, Lund University, Sweden

12:00 Lunch

13:00 Membrane applications: Dairy industry

Lilia Ahrné, University of Copenhagen, Dänemark

14:00 Membrane applications: Biorefineries

Frank Lipnizki, Lund University, Sweden

15:00 Coffee break

15:30 Electro-driven membrane processes

Tomas Kotala, Membrain, Czech Republic

16:15 Emerging membrane processes including forward osmosis, membrane contactors and pervaporation

Wojciech Kujawski, Nicolaus Copernicus University Torun, Poland

17:00 Summing-up and outlook (incl. evaluation)

Frank Lipnizki, Lund University, Sweden