Process and Systems Engineering Center (PROSYS)
Research Seminar, October 13, 2017
Anker Engelunds Vej 1, Building 101A – 1st Floor, Meeting room 1, Kgs. Lyngby, Denmark

8:30 – 9:00 Registration and Breakfast

9:00 – 9:20 Welcome by Krist Gernaey. Overview about the Process and Systems Engineering Center (PROSYS)

9:20 – 9:40 Bent Sarup, Alfa Laval: Innovation and Development at Alfa Laval Edible Oil Technology

Process synthesis, design and operation
9:40 – 9:50 Multi-scale and multi-purpose modelling for in silico design and optimization of a pharmaceutical crystallization process – Getachew S. Molla
9:50 – 10:00 The power of Monte-Carlo simulations in process models – Jerome Frutiger

Resource recovery from bio-based processes
10:00 – 10:10 Resource recovery from bio-based processes – Seyed Soheil Mansouri
10:10 – 10:20 Chromatographic separations – Kristian Meyer
10:20 – 10:30 Optimization of energy recovery in the Novozymes wastewater treatment plant – Hannah Feldman

10:30 – 10:40 Introduction to Posters
10:40 – 11:30 Poster session + Coffee

11:30 – 11:50 Novozymes – Details to be supplied later

Biocatalysis
11:50 – 12:00 Development of ADH/NOX systems – Mafalda Dias Gomes
12:00 – 12:10 Development of ER/GDH/FDH systems – Rowan Lindeque

12:10 – 13:00 Lunch

Computational methods in Bio-based processes
13:00 – 13:10 Cleaning in Place – Jifeng Yang
13:10 – 13:20 CFD applied to miniaturized bioreactors – Tannaz Tajsoleiman
13:20 – 13:30 CFD applied to pilot- and full-scale fermentation processes – Christian Bach

13:30 – 14:30 Poster session + Coffee
14:30 – 15:00 Final remarks