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**