

PROGRAM

Advances and Innovations in Agricultural Engineering The 3rd NJF - Agromek- EurAgEng joint seminar

Nov. 27 - 28, 2018 in Herning, Denmark

Tuesday 27 November 2018

Bus leaves 9.00 outside Hotel Propellen, Billund. Please be there in advance. People not showing up at 9.00 are expected to go to Herning on their own.

Arrival to venue at Agromek, Herning expected to be around 10.00.

Registration from 10.00 to 11.30

Time	Topic	Presentations	Speakers
11.30 – 11.40	Information	Introduction and welcome	Nils Bjugstad, NMBU, N
		Agromek 2018, moved to coffee break 15.20	(Claus Hermansen, CEO Agromek, DK)
		What is EurAgEng?	Claus Aage Sørensen, AU, DK
		What is NJF?	Nils Bjugstad, NMBU, N
		<i>Chair of session: Nils Bjugstad</i>	
11.40 - 12.00	Keynote	Robotics and precision farming within the Lely company	Gjis Scholman, LELY, NL
12.00 - 12.20	Keynote	Smart sensors and sensor systems for highly automated and autonomous machines	Jonas Schmid, SICK, DE
12.20 - 12.40	Keynote	Future farming	Jacob Lave, SEGES, DK
12.40 – 13.00	Discussion	Discussion due to topics in keynotes	
13.00 – 14.00		Lunch	
		<i>Chair of session: Nils Bjugstad</i>	
14.00-14.20	Robotics	Strawberry harvesting and transportation assistant robot	Vitālijs Osadčuks, LV
14.20-14.40	Robotics	Robotic activities at NIBIO's center for precision agriculture	El Houssein Chouaib Harik, NIBIO, N
14.40-15.00	Robotics	GrassRobotics – robotization of forage production	Lars Grimstad and Eirik Wormdahl, N
15.00-15.20	Rob. modelling	Simulation of electric autonomous field machinery in agriculture	Oscar Lagnelöv, SLU, S
15.20-15.40		Coffee & Tea break. incl. brief intro about AGROMEK	Claus Hermansen, AGROMEK, DK
15.40-16.00	Rob. modelling	Trends and challenges of modelling and simulation in agriculture	Frederik Foldager AU, DK
16.00-16.20	Soil tillage	Evaluation of residue incorporation for different plowing depths and residue amounts	Alevtina Evgrafova, DK
16.20-16.40	Soil tillage	A novel mouldboard plough system with section control to improve soil inversion and reduce overlapping in headlands	Hans Christian Givard Carstensen, DK
16.40-17.00	Air sampling	Detection of odour from animal production in Finland	Maarit Hellstedt, LUKE, FIN
Ca. 17.30		Bus to Agromek dinner in Herning City	
18.00-23.00		Agromek dinner	
23.00		Bus back to Billund (expected to arrive hotel Propellen around 23.50)	

Wednesday 28 November

Bus leaves 8.30 outside Hotel Propellen, Billund. Please be there in advance. People not showing up at 8.30 are expected to go on their own.

Arrival to venue at Agromek, Herning, about 9.20.

Time	Topic	Presentations	Speakers
		<i>Chair of session: Alastair Ward</i>	
9.30-9.50	Biogas	Environmental impact on use of perennial energy crops for biogas	Kestutis Navickas, ASU, LT
9.50-10.10	Biogas	The future of Danish biogas and its integration into the energy system	Alastair James Ward, AU, DK
10.10-10.30	Biogas	Oil-contaminated soil treatment by herbaceous plants and their subsequent use of biogas	Mantas Rubežius, ASU, LT
10.30-10.50	Electrification	Electrification of non-road mobile machinery	Antti Lajunen, UH, FIN
10.50-11.10		Coffee & Tea break and poster presentation during break	
		<i>Chair of session: Claus Sørensen</i>	
11.10-11.30	Imaging & map.	Grass clover mapping and targeted nitrogen fertilization strategies using image processing	Søren Skovsen, AU, DK
11.30-11.50	Imaging & map.	Autonomous weed mapping in cereal fields	Mads Dyrmann, AU, DK
11.50-12.10	Imaging & map.	Challenges of detecting leaf diseases in wheat using optical sensors for future precision fungicide application	Krzysztof Kusnierek, NIBIO, N
12.10-12.30	Precision farming	CROPMANAGER - a platform for precision farming	Jesper Riber Nielsen, SEGES, DK
12.30-13.30		Lunch	
		<i>Chair of session: Claus Sørensen</i>	
13.30-13.50	Precision farming	Spraying application in future farming	Nils Bjugstad, NMBU, N
13.50-14.10	Precision farming	Economic perspectives of precision agriculture in Denmark	Søren Marcus Pedersen, UC, DK
14.10-14.30	Innovation	How to speed up innovation in agriculture?	Hannu Haapala, Agroinnotech, FIN
14.30-14.40		Closing session	Nils Bjugstad
14.40-16.30		Visit Agromek on your own	All
16.30-17.30		AGROMANIA - Innovation hall and precision farming - two groups	Nils Bjugstad/ Claus Sørensen/Agromek
17.30-20.00	AGROMEK	Visit Agromek free of charge. Agromek closes 20.00	All

There will be arranged bus transport from Agromek area to Billund airport.

POSTER

Greenhouse gas emissions of carrot treatment technology (will be set up close to the conference room)

Kestutis Venslauskas, ASU, LT.

2018-11-25 NB