

PROGRAM

Tuesday 29 November 2022

Bus to Agromek leaves 8.45 outside DGI Hotel, Herning. Please be there in advance.

People not showing up at 8.45 are expected to go to the Agromek conference venue on their own. Arrival to venue at Agromek, Herning expected to be around 9.00.

Venue: Sydsalen, Entrance Agromek West Registration from 09.00 to 11.10

Time	Topic	Presentations	Speakers
09.00 -11.10		Registration / networking/ visit Agromek on your own	
11.10 -11.30		Introduction and welcome	Nils Bjugstad, NMBU, N
		What is EurAgEng?	Claus Aage Sørensen, AU, DK
		What is NJF?	Nils Bjugstad, NMBU, N
		<i>Chair of session: Nils Bjugstad</i>	
11.30 – 12.00	Keynote	Agricultural robots for new sustainable crop productions	Hans Griepentrog, University Hohenheim, DE
12.00 - 12.20	Smart farming	Pilot project on Precision Farming	Michael Nørremark, AU, DK
12.20 - 12.40	Smart farming	Reducing the climate impact of Swedish agriculture - Field tractor electrification	Oscar Lagnelöv, SLU, S
12.40 – 13.00	Smart farming	Robot lab and student innovation at NMBU	Robert Braunschweig, NMBU, N
13.00 – 14.00		LUNCH	
		<i>Chair of session: Alastair Ward</i>	
14.00-14.20	Smart farming	Smart Farming Sustainable arena established at NMBU	Nils Bjugstad, NMBU, N
14.20-14.40	Imaging	Impact of Sun Elevation Angle and Type of Sensor on Multispectral UAV Imagery Data	Sahameh Shafiee, NMBU, N
14.40-15.00	Imaging	Spectral imaging in crop fields- research activities at NMBU	Ingunn Burud, NMBU, N
15.00-15.20	Solar energy	Exploring solar energy combined with a fleet of electrical vehicles and precision agriculture for reduced GHG-emissions	El Houssein Chouaib Harik, NIBIO, N
15.20-15.40		Coffee & Tea break. incl. brief intro about AGROMEK	Claus Hermansen, AGROMEK, DK
15.40-16.00	Sensor technology	Sensor technology for optimal strawberry harvesting	Siv Fagertun Remberg, NMBU, N
16.00-16.20	Smart farming	Safety concept for robotic silage harvest system	Ari Ronkainen, LUKE, FIN
16.20-16.40	Smart farming	Data infrastructure requirements for Robotics and Smart Farming Research	Annimari Hartikainen, LUKE, FIN
16.40-17.00	Smart farming	Experimental study of laser weed control approach with full canopy area treatment	Vitālijs Osadčuks, LBTU, LV
Ca. 17.30		Bus to Agromek dinner in Herning City	
18.00-23.00		Agromek dinner	

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		<i>Chair of session: Claus Sorensen</i>	
09.00-10.00		Short visit of Agromek on your own	
10.00-10.40	Keynote	Can agtech innovation dissolve goal contradictions?	Per Frankelius, LiU, SE Jonas Engström, RISE, SE
10.40-11.00	Sustainability	Measures for reductions of greenhouse gas emissions in agriculture	Sven Bernesson, SLU, S
11.00-11.20	Biogas energy	Ensiling of straw as a pre-treatment and storage method for biogas production	Alastair James Ward, AU, DK
11.20-11.40		Coffee break	
11.40-12.00	Energy efficiency	Energy efficient grain drying processes	Jens Møller Andersen, AU, DK
12.00-12.20	Soil compaction	Soil compaction from using agricultural robots in complex arable operations	Alvaro Calleja Huerta, AU, DK
12.20-12.40	Soil compaction	Soil compaction	Mathieu Lamandé, NMBU/AU, DK
12.40-13.00	Soil tillage	Drawbar Pull Testing for Machine Soil Interaction Characterization	Ole Balling, AU, DK
13.00-13.10		Closing session	Nils Bjugstad, NMBU, N
13.10-14.00		LUNCH	
14.00-15.00		Visit Square meter farm and other involved partners	Claus Sørensen, AU, DK
15.00-16.15		Visit Agromek on your own	
16.15-17.00		How to successfully implement artificial intelligence in your business	Tomas Borovicka, CEO at Datamole ¹ , Fremtidens dage, hall E
15.00-20.00	AGROMEK	Visit Agromek free of charge. Agromek closes 20.00	All

Frequently shuttle buses from Agromek fair to Billund airport.

The Agromek buses are leaving 8.45 outside the DGI hotel, thus we are fixed to this departure time. However, that gives us the possibilities to see more of the agromek fair in advance of the seminar.

¹ <https://www.agromek.dk/events-og-netvaerk/events-og-webinarer/event/how-to-successfully-implement-artificial-intelligence-in-your-business>