



LandWISE 2015: The Farm of 2030 PROGRAMME

DAY 1 Wednesday 20 May Robotics, sensing and automation

8:00	Registration		
9:00	Session 1: Introductions		Chair: Hugh Ritchie, Drumpeel Farms
9:00	Welcome and Platinum Sponsor - Looking to 2030	John Deere	
9:10	John Matthews' 1980 Farm of 2030	Dan Bloomer	LandWISE
9:20	Robotics & intelligent systems to improve land & labour productivity	Robert Fitch	University of Sydney
9:50	Gold Sponsors & Trade Displays		
10:00	Morning Tea		
10:30	Session 2: Crop Sensing		Chair: Brendan Powell, Hawke's Bay Regional Council
10:30	Real time machine vision for crop sensing	Cheryl McCarthy	University of Southern Queensland
11:00	Hyperspectral sensing to assess pasture quality	Ian Yule	Massey University
11:30	Instrumentation for crop quality measurement	Peter Schaare	Plant and Food BioEngineering
12:00	Mapping crop development to predict yield & fertiliser need	Dan Bloomer	Centre for Land and Water
12:30	LUNCH		
13:30	Session 3: Automating Agriculture		Chair: Roger Williams, Plant & Food Research
13:30	Platinum Sponsor Looking to 2030	BASF	
13:40	Intelligent Agri-Systems: robots, data and decisions	Tristan Perez	Queensland University of Technology
14:10	Automated Grape Vine Pruning: decisions and control	Tom Botterill	University of Canterbury
14:40	Robotic pasture sensing to identify and treat urine patches	Geoff Bates	Pastoral Robotics
15:05	LandWISE AGM Reports: Chair, Financial, Elections, Manager	Hugh Ritchie	LandWISE
15:30	Afternoon Tea		
16:00	Session 4: Design-a-Bot		Chair: Fenton Hazelwood, BASF Crop Protection
16:00	Technology Transfer to the Primary Sector	Bruce MacDonald	University of Auckland
16:20	The Design-a-Bot challenge	Dan Bloomer	LandWISE
17:00	Wrap up Day 1		
18:30	Pre-Dinner with the Trade Displays		
19:00	Conference Dinner		

Day 2 Thursday 21 May 2015 Managing Variability

8:30	Registration		
9:00	Session 5: Identifying Variation		Chair: Scott Lawson, True Earth Organics
9:00	Welcome, Platinum Sponsor International Year of Soils	Hawke's Bay Regional Council	
9:10	"V" is for variability: origins of variation & contributions to yield	Bruce Searle	Plant and Food Research
9:40	Monitoring peas from greenhouse to paddock	Christina Finlayson	Plant and Food Research
10:10	More adequate or Less better: sensor arrays and wireless networks	Gert Hattingh	Waikato Institute of Technology
10:40	Morning Tea		
11:10	Session 6: Managing Application		Chair: Mark Redshaw, Ballance AgriNutrients
11:10	Planting Precisely: machine settings, technology limitations	John Chapman	Power Farming
11:30	Advances in Precision Planting	John Ahearn	GPS Control Systems
11:50	Fertiliser Spreader Calibrations: results from on-farm testing	Dan Bloomer	LandWISE
12:10	Fertiliser Ballistics: must know facts about fertiliser spreading	Miles Grafton	Massey University
12:30	Summing up - Plans for Field Sessions		
12:40	LUNCH		
13:30	Session 7: Field Sessions		LandWISE MicroFarm, Centre for Land and Water
	Fertiliser spread pattern testing	Cover Crop options	QT strips and Nitrogen
	Soil moisture arrays	International Year of Soils	UAV options
	Trimble Ux5	Mini-ME and Spikey	One pass strip-till and plant
16:00	Conference Close		

20-21 May 2015 - Havelock North Function Centre - 30 Te Mata Rd - Havelock North

www.landwise.org.nz/events/landwise-2015

