



20th SYMPOSIUM ON PRECISION AGRICULTURE IN AUSTRALASIA

14th & 15th August 2017, at the Refectory,
Science Rd, The University of Sydney

MONDAY 14th AUGUST 2017

PRESENTATION PROGRAM

- 12.00pm **Arrival, Registration & Lunch**
12.55pm **Welcome**
1.00pm **Soil property sensing with VisNIR and XRF.**
Edward Jones (USYD PALab)
1.20pm **From pretty pictures to analytic insight - new approach to applied PA.**
Anastasia Volkova (Flurosar)
1.40pm **Using autonomous systems to guide vegetable decision making on-farm.**
Zhe Xu (ACFR)
2.00pm **Using proximally sensed soil and NDVI data as covariates to inform VR N decisions on heavily modified soils.** *Frank D'Emden (Precision Agronomics)*
2.20pm **Industry news – John Deere**
2.30pm **Afternoon Tea**
3.10pm **Industry news – Case IH**
3.20pm **The art of making Ag Education engaging and useful in the modern era : emerging technologies in PA.**
Kim Bryceson (UQ)
3.40pm **Precision beef production.**
Luciano Gonzalez (USYD)
4.00pm **PA in onions.**
Dan Bloomer (Page Bloomer Associates)
4.20pm **Managing variability in rice production.**
(Riverina LLS)
4.40pm **Data intensive agriculture: recent trends and developments.**
Ian Yule (NZCPA)
5.20pm **Close**
5.30pm ***PA Connections @ Refectory***
7.00pm ***Symposium Dinner @ Grandstand***

TUESDAY 15th AUGUST 2017

PRESENTATION PROGRAM

- 8.25am **Welcome**
8.30am **Industry news – Graingrowers**
8.40am **Telecommunications for PA- evolution or revolution?**
David Lamb (UNE PARG)
9.00am **Improving weed species detection for robotic weed control.**
Alex Olsen (JCU)
9.20am **Practically applying PA in vegetable cropping.** *Ian Layden (NCEA)*
9.40am **Applying the PA thought process at regional scale to promote improved fertiliser management in the sugar industry.**
Rob Bramley (CSIRO)
10.00am **A big data approach to predicting grain crop yield.**
Patrick Filippi (USYD PALab)
10.20am **Morning tea**
11.00am **From individual plants to whole of industry: a review of current remote sensing agricultural research and applications developed by UNE.** *Andrew Robson (UNE PARG)*
11.20am **Data law, governance, survey of drivers and reference architecture for Precision to Decision Agriculture (P2D).** *Rohan Rainbow (Rainbow Consultants), Jay Sanderson (USC), Airong Zhang (CSIRO), Andrew Skinner (D2DCRC)*
11.50am **Developments in precision irrigation.** *John Foley/Craig Baillie (NCEA)*
12.10pm **Practical application of PA in grain cropping.**
(graingrower SPAA)
12.30am **European perspective on PA developments and application**
James Taylor (NUoT - UK)
12.50 pm **Close and Lunch**