



22nd SYMPOSIUM ON PRECISION AGRICULTURE IN AUSTRALASIA

9th & 10th September 2019,
at the Tramsheds Function Centre, Launceston, Tasmania

MONDAY 9th September 2019

PRESENTATION PROGRAM

- 10.00am **Arrival and Registration**
- 10.30pm **SPAA AGM**
- 11.00am **Opening** *Jessica Koch (SPAA)*
- 11.10pm **Mapping soil moisture with an L-Band radiometer on irrigated dairy pastures in Tasmania.** *James Hills (TIA)*
- 11.30pm **Root crop yield forecasting using satellite remote sensing.** *Angelica Suarez (UNE PARG)*
- 11.50pm **The Monash-Bosch AgTech LaunchPad.** *Christoph Rüdiger (Monash Uni)*
- 12.10pm **PA and soil management techniques.** *Michael Nichols (TAS grower)*
- 12.30pm **Industry news – John Deere**
- 12.40pm **Lunch**
- 1.30pm **Developing soil sensor normalisation over seasons.** *Edward Jones (PALab USYD)*
- 1.50pm **Connectivity within an innovation ecosystem: Convergence of data and technology for regional benefit.** *Stephen Cahoon (Sense-T)*
- 2.10pm **A strategy to instigate SSCM in Australian potato production.** *Frank Mulcahy (Simplot)*
- 2.30pm **Site-specific weed management mapping system using an unmanned aerial vehicle (UAV).** *Livia Faria Defeo (CAE USQ)*
- 2.50pm **SwarmFarm robotics: small machines, big technology.** *Angus Hogan (SwarmFarm)*
- 3.10pm **Industry news – Case IH**
- 3.20pm **Afternoon Tea**
- 4.00pm **Industry news – Vantage**
- 4.10pm **Innovation in vegetables: putting PA into practice.** *Julie O'Halloran (DAF QLD)*
- 4.30pm **A vegetable growers journey with PA.** *(QLD grower)*
- 4.50pm **High resolution satellite imagery to map pasture biomass in real-time.** *Iffat Ara (TIA)*
- 5.10pm **Monitoring internal parasites in sheep with on-animal sensors.** *Jamie Barwick (UNE PARG)*
- 5.30pm **Industry news – Echelon (sponsors of PA Connections)**
- 5.40pm **Close**
- 5.45pm **PA Connections @ Trade Displays** 7.00pm **Symposium Dinner @ Tramsheds**

TUESDAY 10th September 2019

PRESENTATION PROGRAM

- 8.35am **Welcome**
- 8.40am **Progress in using off-site and on-site data for PA.** *Mario Fajardo (PALab USYD)*
- 9.00am **Soil moisture monitoring and prescription irrigation for growing lucerne in sandy soils.** *Joe Cook (Keith, SA)*
- 9.20am **An update on developing a code of practice for agricultural field machine autonomy.** *Rohan Rainbow (Crop Protection Aust)*
- 9.30am **Field-scale estimation of water use efficiency using historical yields and climate data.** *Fiona Evans (Murdoch Univ.)*
- 9.50am **An approach to sensor-based N decision: updates from the first year of 'Future Farm' field trials.** *André Colaço (CSIRO)*
- 10.10am **Industry news – Farmers Edge**
- 10.20am **Morning tea**
- 10.50am **Industry news – GRDC.**
- 11.00am **SBSA GNSS for horticulture.** *Dan Bloomer (Page Bloomer)*
- 11.20pm **Practical data management in the cloud.** *Rob Wade/Joe Cook (Sprayer Barn/grower)*
- 11.40pm **Practising precision: a basis for making precision pay.** *Jon Medway (CSU)*
- 12.00pm **Close and Lunch**
- 12.30pm **Optional PA in Practice tour leaves the Tramsheds**
- 3.30pm **Tour bus @ Launceston Airport** 4.00pm **Tour bus @ Tramsheds**