

IPPS 2018 Preliminary Program

DAY 1 – Tuesday 2 October

08:00 - 12:00	<u>IPPN General Assembly</u>
9:00	Exhibitor bump-in
9:30 - 17:00	Registrations open
12:45 - 14:45	<u>Affordable Phenotyping WG Workshop</u> <i>Speakers: David Rousseau (University of Angers, France) and Noah Fahlgren (Danforth Center, United States)</i>
15:00 - 17:00	<u>Controlled Environment WG Workshop</u>
17:00 - 19:00	Welcome reception

DAY 2 – Wednesday 3 October

08:00 - 08:30	Registration
08:30 - 08:40	Welcome and opening remarks
08:40 - 09:10	<i>Keynote speaker: Prof Mark Tester, Centre for Desert Agriculture, King Abdullah University of Science & Technology, Saudia Arabia</i>
09:10 - 10:40	<u>FROM PLANT</u> - <i>How can we measure large numbers of plants in varying environmental conditions to identify the traits that will make them more tolerant to our changing climate? How can we use latest camera and sensor technology to get a better understanding of plant physiological processes and the environment in which they grow?</i> <u>Session 1: What's going on underground? (root phenotyping)</u>
10:40 - 11:05	Networking refreshments
11:05 - 12:30	<i>Keynote speaker: Dr Christina Walters, USDA-ARS National Laboratory for Genetic Resources Preservation, United States (11:05 – 11:35)</i> <u>Session 2: Phenotyping small things (seed phenotyping)</u>
12:30 - 13:20	Lunch
13:20 - 14:50	<u>Session 3: Under control (controlled environment phenotyping)</u>
14:50 - 15:15	Networking refreshments
15:15 - 15:25	Sponsor presentation
15:25 - 16:55	<u>Session 4: Out of control (field phenotyping)</u>
16:55 - 17:00	Closing remarks and day close

DAY 3 – Thursday 4 October

08:00 - 08:30	Registration open
08:30 - 08:35	Welcome and opening remarks
08:35 - 10:05	<u>TO DATA</u> - <i>As data acquisition improves rapidly in volume and complexity, the phenotyping bottleneck is shifting to data. How do we ensure the data we capture is high-quality and relevant? How do we combine different data sources to enrich the phenotyping measurement information? How do we annotate and manage data so it can be shared, re-used and queried?</i> <u>Panel Discussion: Data management</u>
10:05 - 11:00	Networking refreshments

11:00 - 11:10	Sponsor presentation
11:10 - 12:35	<u>Session 5: Scrutinising the data - information management and pipelines</u>
12:35 - 13:30	Lunch
13:30 - 15:00	<i>Keynote speaker: Prof Seishi Ninomiya, Institute for Sustainable Agro-ecosystem Services, University of Tokyo, Japan (13:30 – 14:00)</i> <u>Session 6: A picture's worth a thousand words (image-based phenotyping)</u> <i>Session Chair: Prof Tony Pridmore, University of Nottingham, United Kingdom</i>
15:00 - 15:25	Networking refreshments
15:25 - 16:55	<u>Poster session</u>
16:55 - 17:00	Closing remarks and day close
	Free time
19:00 - 23:00	Symposium dinner

DAY 4 – Friday 5 October

08:00 - 08:30	Registration open
08:30 - 08:35	Welcome and opening remarks
08:35 - 09:05	<i>Keynote speaker: Dr Rajeev Varshney, International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India</i>
09:05 - 10:35	<u>TO IMPACT</u> - <i>Plant phenomics brings together a whole suite of expertise, from plant biologists to engineers and statisticians. Working collaboratively, these disciplines can advance our understanding of plant performance and resilience, and we can make progress towards identifying the genetics of stress tolerance and breeding higher yielding crops.</i> <u>Session 7: Perfecting plants - selection and phenotyping (breeding)</u>
10:35 - 11:00	Networking refreshments
11:00 - 12:30	<u>Session 8: From fungi, to cockatoos, to kangaroos (biotic stress)</u>
12:30 - 13:20	Lunch
13:20 - 14:50	<u>Session 9: When soils and weather don't cooperate (abiotic stress)</u>
14:50 - 15:15	Networking refreshments
15:15 - 15:25	Platinum sponsor presentation
15:25 - 16:50	<u>Session 10: From idea to reality - developing novel tech for future challenges</u> <i>Keynote speaker: Dr Nicole Jensen, Grains Research & Development Corporation, Australia (15:25 – 15:55)</i>
16:50 - 17:10	Summary / Looking to the future
17:10 - 17:15	Closing remarks and thanks

DAY 5 – Saturday 6 October

TBA	<u>Social trip</u> <i>Proposed itinerary (subject to change)</i> Day trip to Mt Lofty lookout, Cleland Wildlife Reserve then to McLaren Vale for lunch at the Currant Shed followed by visits to D'Arenberg's Cube and Hugh Hamilton Wines before returning to Adelaide. <i>*May include a visit to the Australian Plant Phenomics Facility's Adelaide node</i>
TBA	<u>Root phenotyping field trip</u> Coordinated by Trevor Garnet and Root Phenotyping WG - details TBA