



ASPS 2021

Adelaide – Brisbane – Canberra –
Hobart – Melbourne – Perth – Sydney



9:00 am

Session 1

David Ellsworth
Yuki Tsujii
Haiyang Zhang

Convergence in phosphorus constraints to photosynthesis in forests around the world
Leaf phosphorus economics based on the partitioning of phosphorus among different functional fractions
Ecological stoichiometry and fungal community turnover reveal variation among mycorrhizal partners in their responses to warming and drought

Will Cornwell

Closing the carbon cycle: ecological dynamics within a 5-year wood decomposition experiment

10:20 am

Coffee break and interactive session

10:50 am

Session 2

Sharon Robinson
Renee Marchin
Brendan Choat
Lina Teckentrup
Arjunan
Krishnananthaselvan

Antarctic terrestrial communities in a time of change
Surviving 50 °C – How hot is too hot for plant function?
Mechanisms of xylem hydraulic recovery after drought in *Eucalyptus saligna*
Pandora's box: How to constrain regional projections of the carbon cycle
The co-ordination of stomatal, hydraulic, and leaf browning responses of grass species to experimental drought

12:20 – 1:20pm

Lunch

1:20 pm

Session 3

Rose Andrew

Understanding admixture in eucalypt species: introgression, adaptive genetic variation and muddy taxonomy

Shubham Chhajer
Robert Sharwood

Spend it or save it: water budgets and hydraulic coordination to optimize photosynthetic gains
Altering the primary carboxylase of C4 photosynthesis to improve crop resilience to future climates

2:00-4:15 pm

ASPS joint Awards session

Goldacre Award Seminar: Joanna Melonak (UWA)

Unlocking the genetic secret of cytoplasmic male sterility and fertility restoration in cereals

Jan Anderson Award Seminar: Kim Johnson (La Trobe)

Developing a passion for cell walls

FBP Best paper: Ximeng Li (Western Sydney)

Water regulation of cotton plants and its response to climate change

Education and Outreach: Kim Johnson and Monika Doblin (La Trobe)

A taste of tomorrow

RN Robertson Lecture: Christine Beveridge (UQ)

Network thinking for shoot architecture and path to impact in food production

4:20 pm

Session 4

David Coleman
Pankaj Kumar Singh
Maketalena
Aleamotu'a
Yuzhou Wu

Applications of low-field NMR to the ecophysiology of eucalypts
Deciphering the ecological processes that underpin microbial colonization of plants
Genetic analysis of phi thickening development in *Brassica* roots
Control of plant development by cell-type boundaries

Sponsored by:



Institutional Support

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