





## Day 3

### **09:00 PSY1 Data Review**

Participants will remotely access the Stem Psychrometers & Sap Flow Meters previously installed and review the quality of their installations using remote data access via the cloud. Participants will be on the lookout for condensation, insufficient insulation, and plant environment interaction.

### **09:30 ICT International Wireless Instrumentation Platform Overview**

An overview of the architecture and capabilities of the ICT Wireless platform will be presented. This will establish the background to the possible applications that ICT Instrumentation can offer that will be performed in the subsequent practical session.

### **10:00 - Practical 7 – Configuring the ICT International SDI-12 Datalogger**

Following a brief introduction, participants will configure an SDI-12 logger with a diversity of instruments based around broad applications - soil, water, light and meteorology.

*10:45 am - Morning Tea*

### **11:30 pm Wireless Signal Surveying for Network Scoping and Design**

Introduction to the ICT International Wireless Survey Kit. Exploring network planning, potential signal constraints within a network and conducting theoretical and active signal surveys.

### **12:00 pm ICT Universal Telemetry Hub Configuration and Networking**

From the box to the mast, setting up an ICT telemetry hub for data collection. Includes an overview of the ICT CIS Customer Account Management Utility, testing GSM signal and logger networking and synchronisation.

### **12:30 pm – Practical 8 - Wireless signal surveying**

Participants will conduct wireless signal survey using the ICT International Wireless Survey Kit. This practical will demonstrate the methodology of wireless signal surveying and highlight the extent to which topographic and vegetative features constrain signal propagation. A monitoring network will be designed around outcomes of the signal survey.

*1:00 pm – Lunch*

### **1:30 pm – Practical 9 - ICT Universal Telemetry Hub: Configuring and Networking**

Participants will install the SDI-12 loggers and sensors configured during Practical 7 and based on a network planned during practical 8. The network will be mapped for remote data collection through a Dual RF Telemetry hub and a GSM Telemetry hub.

### **2:45 pm – Practical 10 - Data View Web – custom dashboards and alarm configuration**

Following a brief introduction, participants will customise dashboards and alarms for the monitoring network installed during Practical 9.

*3:45 pm Afternoon Tea*

### **4:00 pm - Question and answer session covering workshop topics**