

## **Exercise F1: Soldering and continuity testing**

**Tues., 13:05 - 16:50 (Time for two to three exercises)**

**Instructors:** Matt Conley and Allan Knopf

### **Logistics for Participants**

- Teams of 1 to 3 people.
- This activity will be conducted inside the Ag Engineering building.
- This exercise is in parallel with Exercise D (sensor position) and E (data logging).

### **Objectives**

- I. Introduce very basic procedures for connecting sensors and for diagnosing and repairing instrument problems.
  - A. How to solder
    1. Two wires
    2. A wire to a connector
  - B. Testing for continuity or correct voltage

### **Activity 1: Soldering**

- I. Introduction
  - A.
- II. Soldering two wires
- III. Soldering a wire to a connector

### **Activity 2: Continuity testing**

### **Logistics for lecturers**

1. Soldering stations
2. Solder
3. Wire
4. Multi-meter ...