

Department of Electrical & Computer Engineering

Airborne Sampling/Sensing of Distal Volcanic Ash

Project Group Meeting #17

Agenda

Date: Friday August 12th 2016

Time: 10.30am

Venue: VH 457

Chair: Ryan Taylor

Secretary: Jamie Van de Laar

**1. Apologies**

No apologies

**2. Minutes**

(Attached)

**3. Matters arising**

* Ryan and Parth have made and tested a basic prototype ash disperser for the wind tunnel.
* Jamie has tested OPCN2 flow rate and pressure drop.

**4. Correspondence**

All CC’d in all correspondence

**5. Progress Reports:**

* Ryan – Ash sample capture – cyclone separator
* Mike – Telemetry
* Jamie – Sensor testing
* Jake – Energy requirements
* Parth - Electrostatic sensor

**6. Other business:**

NIL

Minutes from last meeting below:



Department of Electrical & Computer Engineering

Airborne Sampling/Sensing of Distal Volcanic Ash

Project Group Meeting #16

Minutes

**Minutes of the weekly meeting 29 July 2016**

**Present:**

Maan Alkaisi, Adrian Weller (briefly), Jamie Van de Laar, Jake Campbell, Parth Thakur, Mike Shanaher

**1. Apologies:**

**-**

**2. Minutes from last meeting**

* (look at Minutes, July 22 2016)

**3. Matters arising**

**4. Correspondence**

* All are CC’d in emails

**5. Progress Reports:**

* Jamie Van de Laar
  1. SAG calibration was unsuccessful this week but will try next week.
  2. Jamie has now got the OPC-N2 talking to the PI, which then relays the data to his laptop
* Jake Campbell
  1. Wind speed modelling, and our max wind speed may be 70m/s (from NIWA data)
  2. Waiting on 3D printed parts
* Mike Shanaher
  1. Mike broke his laptop, so will try get mission planner on a ECE computer.
  2. Put forward the idea of not having I2C interface to the PI but instead using the PIXHAWK telemetry port (UART)
* Parth Thakur
  1. DTA information regarding Parth’s circuit has useful and Parth now has a heading for the next stage
* Ryan Taylor
  1. Pitot-static tube has arrived

6. **Other business:**

**Meeting ACTION LIST**

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| **ACTION** | **ASSIGNED TO** | **DUE DATE** |
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**Next meeting date: 5th August, Adrian is down from DTA**