

RSPSoc and NERC Technology Cluster UAV Workshop

Provisional Programme

THURSDAY, 7 July, 2011

9:00 am - 11:00 am		Registration in Calman Learning Centre
11:00 am - 11:30 am	Posters and Exhibits Open	<p>Opening Formalities Introduction to NERC Technology Cluster</p> <p>Keynote Address:</p> <p>Rangeland monitoring using imagery from an unmanned aerial vehicles Dr Andrea Laliberte, US Department of Agriculture and New Mexico State University</p>
11:30 am - 1:00 pm		<p>Instrumentation for UAV Platforms</p> <p>Imaging spectrometry instrumentation for precision agriculture - Pablo Zarco-Tajada A novel microslice hyperspectral imager - Daniel Donoghue and Robert Content Micro-Hyperspec systems - John Ferguson</p>
1:00 pm - 1:30 pm		Lunch Break with Posters and Exhibition
2:00 pm - 4:30 pm		<p>Practical demonstrations</p> <p>SmartPlanes - Mr Ole Hagner Blue River Studios - Mr Nigel King 360 Global Ltd - Mr Ray Ryan Helipix - Mr Steve Galvin sUAVe - Mr Greg Colley</p>
4.30 pm - 6.00 pm		Break
6:00 pm - 7:30 pm		<p><u>RSPSoc Annual Lecture and Conversazione</u></p> <p>Sustainable agriculture and new remote sensing technologies Dr Pablo Zarco-Tajada, Director of Institute for Sustainable Agriculture (IAS), Spanish National Research Council</p>
7:30 pm - 10:00 pm		<p>RSPSoc Dinner at Collingwood College Hosted by Dr Samantha Lavender, Chair of RSPSoc</p>

FRIDAY, 8 July, 2011

	Calman Learning Centre		
8:30 am - 9:00 am	Registration		
9:00 am - 10:00 am	Posters and Exhibits Open	<p style="text-align: center;"><u>Applications Session 1</u></p> <p style="text-align: center;">Changing Views, Changing Science: Unmanned Aerial Systems applied to enhanced spatio-temporal geomorphic process studies - Alex Clayton</p> <p style="text-align: center;">Rapid assessment of forest stands from UAV imagery - Olle Hagner</p>	
11:00 am - 11:30 am		Coffee Break with Posters and Exhibition	
11:30 am - 12:30 pm		<p style="text-align: center;"><u>Science Applications Session 2</u></p> <p style="text-align: center;">Unmanned aerial systems in atmospheric research: An introduction and report from COST Action ESO802 - Philip Anderson</p> <p style="text-align: center;">Airborne Search and Recognition of Ground Traffic Behaviour Using Unmanned Aerial Vehicles - Seung-Keun Kim</p>	
12:30 pm - 1:30 pm		Lunch Break with Posters and Exhibition	
1:30 pm - 3:00 pm		Group Discussion on UAV Instrument technology (Geography Dept Room 010)	Group Discussion on Novel Science applications from UAV technology (Calman Learning Centre)
3:00 pm - 3:30 pm		Afternoon Break with Posters and Exhibition	
3:30 pm - 5:00 pm		Roundtable Discussion	
		Workshop Ends	