

NERC DTP Conference Schedule

Day 1 - Wednesday 1st June 2016

0900 - 0930	Registration and refreshments	Foyer of the School of the Earth and Environment building.
0930 - 0955	Welcome	Martyn Chipperfield
Session 1	Monitoring the Atmosphere	Chair: Hana Pearce
1000 - 1015	Adam Saint	Atmospheric chemistry at the ocean surface
1015 - 1030	Katie Smith	Using sensor networks to monitor the atmosphere
1030 - 1045	Alex Brennan	A new method for speciated peroxy radical detection
1045 - 1130	Coffee	
Session 2	Regional Modelling	Chair: Jacob Shaw
1130 - 1145	Louise Beverage	Crop - climate modelling for household adaptation to climate change
1145 - 1200	Alessandro Balata	Optimal control of an electric micro-grid: batteries, thermal generators and renewables
1200 – 1215	Eleanor Morris	Human impacts on atmospheric composition over West Africa. Pollution, projections and policy
1215 – 1230	Bethany Woodhams	Severe weather over East Africa
1230 – 1330	Lunch	
Session 3	Atmospheric Modelling	Chair: Oliver Halliday
1330 – 1345	Natasha Aylett	Atmospheric impacts of a close cometary encounter
1345 – 1400	Dan Ellis	Force-Directed graphs, Pretty Birds and the Atmosphere
1400 – 1415	Matthew Rowlinson	Investigating the effectiveness of short-term climate change mitigation through reducing non-CO2 emissions.

Robert Woodward-Massey	Implementation of a chemical background method (OH-CHEM) for measurements of OH using the Leeds FAGE instrument: Characterisation and observations from a coastal location
Victoria Betts	Exploring resilience of protected areas and Adjacent Communities in the Eastern Arc Mountains: Developing a new social-ecological network model
Erietta Mouloupoulou	Benchmark modelling of breaking 1D waves and dynamic shingle beaches

NERC DTP Conference Schedule

Day 2 - Thursday 2nd June

0900 - 0930	Registration and refreshments	Foyer of the School of the Earth and environment building.
Session 1	Geological mechanisms and modelling	Chair: Tom Ingleby
0930 - 0945	Claire Harnett	The mechanics of lava domes - developing new predictive models from dome collapse
0945 - 1000	Maurits Metman	Forecasting changes in Earth's magnetic field
1000 - 1015	Patrick Sugden	Collision-related volcanoes of Armenia
1015 - 1030	Joshua Williams	Examining how earthquakes work: the properties of small earthquakes, their fault zones, and their triggering
1030 - 1115	Coffee	
Session 2	Atmospheric Chemistry	Chair: Robert Woodward-Massey
1115 - 1130	Graham Boustead	Laboratory studies probing gas-phase production of HONO on aerosol surfaces
1130 - 1145	Will Dixon	Development of ultra-high resolution mass spectrometry to study atmospheric aerosol pollution
1145 - 1200	Thomas Speak	Laboratory studies of Amines and related compounds in the troposphere
1200 - 1300	Lunch	
Session 3	Ecosystems and biodiversity	Chair: Jude Lane
1300 - 1315	Catriona Shannon	Slowing the spread of invasive alien species: biosecurity best practice stakeholder engagement
1315 - 1330	Solene Guenat	Urban ecosystem services in sub-Saharan Africa: a multi-scale, cross city comparison
1330 - 1345	Fabio Peruzzo	Spatial stochastic modelling of ecosystems

Traditional	Title
Ruth Amey	Measuring and modelling the earthquake deformation cycle at continental dip-slip faults
Thomas Ingleby	Measuring and modelling the earthquake deformation cycle at continental dip-slip faults
Ben Todd	Stimulating the thermal conduction of Lower Mantle minerals
Jacob Shaw	Lifetime measurements of atmospheric chlorine atoms
Michael Cook	Optimizing enhanced groundwater bio-remediation during pump and treat intervention
Katherine Doyle	Chemical evolution of the neoproterozoic-Cambrian biosphere
Autumn Pugh	The early Toarcian (Early Jurassic) mass extinction event and recovery in the Eastern Tethys
Owen King	Early detection of Himalayan glacial lake development using remote sensing methods
Jude Lane	High flying birds: sex-specific three-dimensional foraging behaviour of a top marine predator