



8.30am	Registration opens	
10.30am	Welcome Address	Professor Phil Haygarth
10.40am	Keynote Address – Towards a Theory of Soil	Professor John Crawford
11.15am	Novel approaches to quantifying the micro-topology of soil surfaces by X-ray micro computed tomography	Dr Amin Garbout
11.30am	Approaches to unravelling the fundamental basis of soil biological resilience	Dr Fiona Fraser
11.45am	Dual signature tracer: A new tool for soil management and research	Jack Poleykett
12.00pm	Putting the soil back into digital soil mapping	Dr Jack Hannam
12.15pm	Discussion	
12.30pm	Lunch and Posters	
1.30pm	Profiling soil metabolites associated with mineralisable nitrogen using ¹ H-NMR	Noeleen McDonald
1.45pm	Sites of nitrous oxide production by denitrification as related to residue location	Marianne Kuntz
2pm	Investigating the changes in bacterial community structure at high taxonomic rank across varied crop management	Dr Caroline Orr
2.15pm	Applications of compound-specific mass spectrometry to investigate microbial dynamics in Antarctic soils	Dr Claire Horrocks
2.30pm	Discussion	



2.45pm	Break – Meet the Industry and Posters	
4pm	Testing a new approach to soil sampling for risk assessment of phosphorus loss in the Eden Demonstration Test Catchment	Dr Jennine Jonczyk
4.15pm	Monitoring changes in surface elevation of blanket peat and other land cover types using a novel InSAR processing technique	Dr Barry Rawlins
4.30pm	Grassland Soil Assessment Tool	Dr Paul Newell-Price
4.45pm	Assessing the value of multi-receiver low frequency electromagnetic-induction measurement for assessing variation in field experiments with winter wheat (<i>Triticum aestivum</i>)	Dr Peter Shanahan
5pm	Discussion	
5.15pm	Annual General Meeting commences	
6.15pm	Annual General Meeting closes	
7.30pm	Conference dinner and entertainment	



8.30am	Registration	
9am	Presidential Reflection	Professor Phil Haygarth
9.15am	Determination of root biomass in the field: methodological uncertainties and approaches	Julianne Hirte
9.30am	Root scanning: A tool for assessing grassland soil condition	Dr Anne Bhogal
9.45am	Seeing in the dark: transparent soil as a resource to observe root-soil interactions	Caroline Upton
10am	A comprehensive ¹³ C tracing and particle-size fractionation approach to assess barley genotype specific variations in C deposition and soil organic matter mineralisation	Lumbani Mwafulirwa
10.15am	Discussion	
10.30am	Break – Meet the Industry and Posters	
11.30am	Russell Lecture – Mapping Soil Carbon from Cradle to Grave: C Transformations from plant roots to microbes to mineral surfaces	Dr Jennifer Pett-Ridge
12.05pm	A combination of X-ray tomography and CARD-FISH to quantify the effect of soil structure on growth and spread of bacteria	Archana Juyal
12.20pm	Quantifying the effect of particulate organic matter (POM) distributions on soil respiration	Ruth Falconer



12.35pm	Better understanding of intra-aggregate processes from combining X-RAY computed micro-tomography and phylogenetic composition of bacterial community analyses	Professor Alexandra Kravchenko
12.50pm	Discussion	
1.05pm	Lunch and Posters	
2pm	Slinging mud at soil structure research: understanding dynamics at the wet-end using rheology	Professor Paul Hallett
2.15pm	Do funghi stitch or glue soils? A novel technique to quantify adhesion processes	Mike Ogden
2.30pm	Glowing clay: Real time tracing using a novel clay based fluorescent tracer	Robert Hardy
2.45pm	Researching Soils – Can the New help the Old (and vice versa)?	Willie Towers
3pm	Discussion	
3.15pm	Awards Ceremony	
3.30pm	Meeting closes	