



The
Geological
Society

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Lyell Meeting 2019:

Carbon: Geochemical and palaeobiological perspectives

28 June 2019

Programme

| Friday 28 June 2019 | |
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| 09.30 | Registration & tea & coffee (Main foyer and Lower Library) |
| Session 1 | |
| 10.00 | Keynote 1: Reconstructing intermediate and deep ocean circulation during the Pliocene warm period Heather Ford (Queen Mary University of London, UK) |
| 10.40 | Candidate Sulphide-oxidising Microbial Mats in a Mississippian Black Shale Joe Emmings (British Geological Survey, Nottingham, UK; School of Geography, University of Leicester, UK) |
| 11.00 | Variations in modern carbonate hardground formation in Abu Dhabi in relation to associated biogeochemical drivers Hazel Vallack (School of Geographical science, University of Bristol, UK) |
| 11.20 | Tea, coffee and refreshments and posters (Lower Library and Arthur Holmes room) |
| Session 2 | |
| 11.50 | Keynote 2: Repurposing a paradigm: Enhanced chemical weathering as a strategy to combat climate change Grace Andrews (University of Southampton, UK) |
| 12.30 | Tectonic and palaeoclimatic controls on black shale distribution and richness in Europe Foivos Spathopoulos (Praxxis Ltd & Imperial College London, UK) |
| 12.50 | Lunch and Posters (Lower Library and Arthur Holmes room) |
| Session 3 | |
| 14.00 | Draining the swamp: how much do peat channels contribute to carbon loss from tropical peatlands? Matthew Kent (School of Agricultural and Environmental Sciences, University of Nottingham, UK; School of Environment, Earth and Ecosystem Sciences, The Open University, Milton Keynes, UK) |

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| 14.20 | The Fossil Record of Land Plant Origins as a Proxy Record of the Establishment of the Modern Carbon Cycle Paul Strother (Earth and Environmental Sciences, Boston College Weston Observatory, US) |
| 14.40 | Tea, coffee and refreshments and posters (Lower Library and Arthur Holmes room) |
| | Session 4 |
| 15.15 | Keynote 4: Carbon release during the early Toarcian Oceanic Anoxic Event David Kemp (State Key Laboratory of Biogeology and Environmental Geology and School of Earth Sciences, China University of Geosciences (Wuhan)) |
| 15.55 | Quantifying transient carbon emissions in the geologic past Sarah Greene (University of Birmingham, UK) |
| 16.15 | Developing a multi-proxy modelling framework to assess carbon cycle perturbations in the geological past Markus Adloff (School of Geographical Sciences, University of Bristol, UK) |
| 16.35 | Concluding remarks |
| 16.45-18.00 | Wine reception (Lower Library) |