

Janet Watson Meeting 2018:

A Data Explosion: The Impact of Big Data in Geoscience

27 February – 1 March 2018

Poster Programme

Day 1: 27 February 2018
Improved understanding of borehole instability mechanisms through development of an enhanced visualization-numerical modelling approach Abraham Audu (University of Exeter)
The application of imaging IR spectroscopy for mineralogical analysis of core and cuttings. Gavin Hunt (Spectra-Map Ltd)
Improved production decline analysis through the use of Machine Learning techniques Elliot Humphrey (University of Aberdeen & Toby Project Services)
Data Integration: Understanding the Importance of Data and Knowledge Management Helen McKenzie (Sellafield Ltd)
Day 2: 28 February 2018
Virtual Glaciers and Glaciated Landscapes Derek McDougall (University of Worcester)
Understanding and enabling data standards for large environmental data sets Francesca Laws (Sellafield Ltd)
Deciphering the sands of time: a zircon U–Pb age database for the Circum-Arctic region Michael Pointon (CASP)
Development of 3D geological models for the UK low level waste repository John Shevelan (LLW Repository Ltd)
Day 3: 1 March 2018
PCA as an error diagnostic at long-term resistivity monitoring sites Luke Sibbett (British Geological Survey & University of Nottingham)
A Statistical Model for Addressing Uncertainty in the Assessment of Performance of Ageing Retaining Structures to Groundwater Inundation Victoria Stephenson (University College London and The Alan Turing Institute) and Chris Oates (The Alan Turing Institute)
Facilitating the effective application of analogue databases to reservoir models Marijn Van Cappelle (Petrotechnical Data Systems)
A New Approach to Communicating the Science of Natural Hazard Processes in the Terrestrial and Marine Environment using Virtual Reality. An Erasmus Key Action 2 Funded Project. Malcolm Whitworth (University of Portsmouth)