



Stratigraphy in Modern Geoscience: methodologies, application and future relevance

23rd January 2024

Burlington House and Virtual via Zoom

Programme

Day One	
08.30	Registration
09.00	Welcome
	Session One: Is traditional stratigraphy still useful?
09.10	KEYNOTE: Stratigraphy at the forefront of geoscience Sietske J. Batenburg, <i>University of Barcelona</i>
09.40	Stratigraphy into the future Mark Brownless, <i>CTO, Geoteric</i>
10.00	Long and short term glacio-eustasy as potential key driver for deposition of reservoirs in the Moray Firth Basin Douwe G. van der Meer, <i>CNOOC Europe Petroleum Limited</i>
10.20	BREAK
10.50	Digital Biostratigraphy: Data-driven Techniques and Tools for Biostratigraphic Interpretation Peter Kiss, <i>CGG</i>
11.10	Bringing Realistic Stratigraphy into Evolutionary Biology through Age-Depth Modeling Niklas Hohmann, <i>Utrecht University</i>
11.30	Revisiting the stratigraphic modelling component of the geomodelling workflows for CCS projects such as the Decatur Project in the Illinois Basin Thomas Jerome, <i>University of Calgary</i>
11.50	Discussion & debate - Future directions in stratigraphy?
12.20	LUNCH
	Session Two:
13.20	KEYNOTE: Quantitative Virtual Outcrop Geology John Howell, <i>University of Aberdeen</i>
13.50	The Unfulfilled Potential of Digital Outcrop Data in Stratigraphy Dave Hodgetts, <i>VRGeoscience Limited</i>
14.10	CarboKitten: a forward models of carbonate platform growth for testing hypotheses on time - and - space completeness of the stratigraphic record Johan Hidding, <i>Netherlands eScience Center</i>
14.30	BREAK
	Session Three: Digital outcrop models: potential unfulfilled?
15.00	KEYNOTE: Descriptive Geology using Deep-Learning: What's the Catch? Cedric John, <i>Imperial College</i>



15.30	Digitalization and artificial intelligence applications to biostratigraphy – a new world? Gil Machado, <i>Chronosurveys</i>
15.50	Automated correlation of chemostratigraphic well data from the Rockall Basin, UK Kilian Eichenseer, <i>University of Durham</i>
16.10	Discussion & debate - Future directions in stratigraphy?
16.40	Closing
16.50 – 17.50	Drinks Reception
	End of Conference

Posters	
	Seismic Stratigraphy Interpretation of Late Albian-Early Turonian Successions in Southwest Iran: Implications for Reservoir Characterization and the Potential Stratigraphic Petroleum Play Mostafa Sabouhi
	The influence of subaerial denudation on carbonate platform stratigraphy architecture Xianyi Liu
	Long-Term Phanerozoic Global Mean Sea Level: Insights from Strontium Isotope Variations and Estimates of Continental Glaciation Douwe G. van der Meer

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