



a recognised centre of geoscience excellence



GWL Cluster Meeting
Thursday June 20, 2019. 18:00 for 18:30
at the Royal Cambrian Academy Crown Lane, Conwy, LL32 8AN

Application of a Recent Analogue to the Ancient Petroleum System: A Virtual Field Trip to the coastline of the Tethys Ocean

Abstract:

The southern shoreline of the Arabian Gulf has long been recognised as offering one of the best and most accessible examples of extensive coastal sabkha settings available to us today. Rarely did geologists visit the Arabian Peninsula without making a pilgrimage to this oft-quoted instance of the perfect setting in which to study the processes of mixed carbonate-evaporite deposition. However, coastal infrastructure development and security concerns have made access to the coastline increasingly difficult over the past few years. This presentation offers a virtual 'field trip' to the coastal sabkha system of Abu Dhabi, discussing the sedimentological characteristics and preservation potential of each of the depositional settings and comparing them to equivalent facies preserved within the ancient petroleum system of the Jurassic Arab Formation.

About the speaker:

Stephen recently returned to the UK after working for the previous 16 years in the Middle East, most recently as Associate Professor of Carbonate Sedimentology at the Petroleum Institute of Khalifa University in Abu Dhabi. Since his return, he has held the position of Honorary Lecturer within the School of Ocean Sciences at Bangor University where he has been





a recognised centre of geoscience excellence



undertaking experiments focusing on the transport of carbonate sediments. Stephen has over 18 years of applied experience in the field of carbonate sedimentology, working within both industry and academia with a particular focus on carbonate sedimentology, carbonate system sequence stratigraphy and applications of carbonate sedimentology to the hydrocarbon system. He has been the author and co-author of 24 publications in peer-reviewed journals and is currently the General Secretary of the International Association of Sedimentologists. Stephen is the Subject Editor for Carbonate Sedimentology for the Journal of the Geological Society of London, and is also an Associate Editor for the journals Sedimentology and Facies.

Venue:

The talk will be held at The Royal Cambrian Academy, Crown Lane, Conwy, LL32 8AN (located behind Plas Mawr).

It will begin at 18:30 promptly. Refreshments will be served from 18:00

For further information please contact us: on 01492 592425 or admin@geoscience.wales

Geoscience Wales Limited
9 Connaught House, Riverside Business Park, Benarth Road, Conwy, LL32 8UB
Phone and Fax; 01492 592425
Email: info@geoscience.wales Web: www.geoscience.wales
Company Registered in Wales No. 4433728.