The impact of fine-scale reservoir geometries on streamline flow patterns in submarine lobe deposits using outcrop analogues from the Karec Basin
M Hofstra, A S M Pontén, J Peakall, S S Flint, K N Nair & D M Hodgson

Integration of facies architecture, ooid granulometry and morphology for prediction of reservoir quality, Lower Triassic Khuff Formation, Saudi Arabia
H A Eltom, O M Abdoolatif, L O Babalola, M A Bashari, M Yassin, M S Osman & A M Abdulraziq

Depositional environment and age determination of oils and condensates from the Barents Sea
B Lerch, D A Karlsen, R Seland & K Backer-Owe

History-matching surface-based property models using the ensemble Kalman filter
M Trani & G H Graham

Fluid-flow effects of compartmentalized distribution of compaction bands in an aeolian sandstone in three dimensions
S Deng, R Jiang, M Karimi-Fard & A Aydin

Causes and mitigation strategies of surface hydrocarbon leaks at heavy-oil fields: examples from Alberta and California
R A Schultz

Quantifying remaining oil saturation using time-lapse seismic amplitude changes at fluid contacts
E Alvarez, C MacBeth & J Brain

Coal architecture, high-resolution correlation and connectivity: new insights from the Walloon Subgroup in the Surat Basin of SE Queensland, Australia
J R Morris & M A Martin

Softening of organic matter in shales at reservoir temperatures
S Emmanuel

Data-driven surrogates for rapid simulation and optimization of WAG injection in fractured carbonate reservoirs
S Agada, S Geiger, A Elsheikh & S Oladyshkin

CONTENTS – Volume 23, No 2
Petroleum Geoscience

Petroleum Geoscience transcends disciplinary boundaries and publishes a balanced mix of articles covering exploration, exploitation, appraisal, development and enhancement of sub-surface hydrocarbon resources and carbon repositories. The integration of disciplines in an applied context, whether for fluid production, carbon storage or related geoenery applications, is a particular strength of the journal. Articles on enhancing exploration efficiency, lowering technological and environmental risk, and improving hydrocarbon recovery communicate the latest developments in sub-surface geoscience to a wide readership.

Published by both The Geological Society of London and EAGE, Petroleum Geoscience is a peer-reviewed journal providing a multidisciplinary forum for those engaged in the science and technology of the rock-related sub-surface disciplines. The journal reaches some 8000 individual subscribers, and a further 1100 institutional subscriptions provide global access to readers including geologists, geophysicists, petroleum and reservoir engineers, petrophysicists and geochemists in both academia and industry. The journal aims to share knowledge of reservoir geoscience and to reflect the international nature of its development.

European Association of Geoscientists & Engineers

The objectives of the European Association of Geoscientists & Engineers (EAGE) are to promote the application of geosciences and related engineering subjects, and to foster communication, fellowship and co-operation between those working in, studying, or who have an interest in these fields. The EAGE’s journal is First Break (monthly). Currently the Association has two Divisions; the Oil and Gas Geoscience Division and the Near Surface Geoscience Division. All EAGE members are entitled to receive the monthly journal First Break, and have online access to it. In addition, all members may choose to receive (free of charge) an online version of one of the following journals: Geophysical Prospecting, Petroleum Geoscience, Basin Research or Near Surface Geophysics. Additional journals can be obtained by all members at reduced rates. Members are also entitled to reduced fees at meetings sponsored by the Association (if applicable). Prospective members can obtain membership application forms online from www.eage.org or from the EAGE Head Office, PO Box 59, 3990 DB Houten, The Netherlands, eage@eage.org. Annual dues are EUR 50.00. Student members pay annual dues of EUR 25.00. The Head Office should be notified of any change of address.

The Geological Society

The Geological Society of London was founded in 1807. It is the oldest national geological society in the world and the largest in Europe. It was incorporated under Royal Charter in 1825 and is Registered Charity 210161. The Society is the UK national learned and professional society for geology with a worldwide Fellowship (FGS) of more than 11 000. The Society confers Chartered status on suitably qualified Fellows, and about 2000 of the Fellowship carry the title CGeol. Chartered Geologists may also obtain the equivalent European title, European Geologist (EurGeol). One fifth of the Society’s fellowship lives outside the UK. To find out about the Society and how you can join, contact the Fellowship Department at: The Geological Society, Burlington House, Piccadilly, London W1J 0BG Tel +44 (0) 20 74349944; Fax +44 (0) 20 74398975; emails to: enquiries@geolsoc.org.uk
For information about the Society’s meetings, consult Events on www.geolsoc.org.uk. To find out more about the Society’s Corporate Affiliates Scheme, write to: enquiries@geolsoc.org.uk