

Tuesday 11th

Plenary 3 Chair: Kliti Grice

- 9.00 - 9.25 **O19.** M. Dumitrescu & S. Brassell
Variations in cyanobacterial populations associated with environmental changes during the Early Aptian Oceanic Anoxic Event
- 9.25 - 9.50 **O20.** B. van Dongen, I. Semiletov & Ö. Gustafsson
Contrasting lipid biomarker composition and 14C ages in surface sediments off the five great Russian Arctic rivers
- 9.50 - 10.15 **O21.** P. Mankiewicz, R. Pottorf, M. Kozar & P. Vrolijk
Gas geochemistry of Mobile Bay: thermal controls on gas composition and implications for reservoir connectivity
- 10.15 - 10.40 **O22.** T. Eglinton, N. Drenzek, A. Dickens, E. Schefuss, P. Poussart, D. Montlucon, E. Druffel, G. Dos Santos, J. Southon & K. Hughen
Timescales of terrestrial organic carbon export to the oceans

10.40 - 10.45

Announcements

10.45 - 11.15

Break

Plenary 4 Chair: Lorenz Schwark

- 11.15 - 11.40 **O23.** M. van der Meer, M. Baas, I. Rijpstra, G. Marino, E. Rohling, J. Sinninghe Damsté & S. Schouten
New proxies for paleosalinity based on stable hydrogen isotopic composition of algal biomarkers
- 11.40 - 12.05 **O24.** H.P. Nytoft
Novel "isohopanes" and their use as source markers
- 12.05 - 12.30 **O25.** N. Ohkouchi, Y. Kashiya, Y. Chikaraishi, N.O. Ogawa & H. Kitazato
Treibs' scheme re-evaluated with nitrogen and carbon isotopic compositions of sedimentary porphyrins

12.30 - 13.30

Lunch

13.00 - 14.30

Short Course: Stable Isotopes in Biogeochemistry (Kate Freeman)

Poster Sessions: Gas & Light Hydrocarbons, Petroleum Generation and Migration, Microbial Geochemistry, Terrestrial Biomarkers & Palaeoclimate

13.30 - 15.00

Palaeoclimate (1) Chair: Gesine Mollenhauer

- 15.00 - 15.25 **O26.** M. Elie, A. Noguiera, R. Trindade, A. Nedelec & F. Kenig
Biodiversity collapse and red algal bloom in the Neoproterozoic snowball earth aftermath
- 15.25 - 15.50 **O27.** N. Núñez & A. Rosell-Melé
Reinterpreting the chlorin signal in sediments to decipher past changes in the marine carbon cycle
- 15.50 - 16.15 **O28.** G. Massé, S. Belt, S. Rowland, L. Vare, M. Poulin, M.-A. Sicre & C. Michel
Novel highly branched isoprenoid biomarkers as indicators of sea-ice diatoms: implications for historical sea-ice records and future predictions

16.15 - 16.45

Break

Petroleum Systems (1) Chair: Tony Barwise

- O29.** M. Al-Hajeri, J. Buza, M. Al-Saeed, K. Osman & M. Al-Rashaid
Geochemical evaluation of Tayarat's prospectivity in Burgan field
- O30.** A. Hakami, P. Jenden, A. Fuhrmann & A. Bissada
Petroleum system analysis of the Triassic sequence in central and eastern Saudi Arabia
- O31.** S. İnan
Coalbed gas of biogenic origin in the Miocene Soma Basin (western Turkey)

Environment & Pollution Chair: Francisco González Vila

- 16.45 - 17.10 **O32.** R. Pancost, H. Rowland, B. van Dongen, J. Lloyd & D. Polya
Microbially mediated organic matter degradation releases arsenic into S.E. Asian groundwater
- 17.10 - 17.35 **O33.** J. Gallego, I. Mori, D. Menéndez-Vega, A. Peláez & J. Sánchez
Real-scale biopile remediation of a kerosene-contaminated soil: microbial diversity and geochemical characterization
- 17.35 - 18.00 **O34.** M. Frenzel, A. Booth, A. Scarlett, T. Galloway, A. Lewis, S. Burton, H. Lappin-Scott & S. Rowland
Bioremediation of "the hump": assessment of the biodegradation of a toxic aromatic hydrocarbon unresolved complex mixture (UCM) and measurement of remaining toxicity

18.00 - 18.25

Thermochemical Sulphate Reduction Chair: Michael Erdmann

- O35.** S. Kelemen, C. Walters, P. Kwiatek, M. Afeworki, M. Sansone, H. Freund, R. Pottorf, H. Machel, T. Zhang, G. Ellis, Y. Tang & K. Peters
Characterization and chemical structure modeling of solid bitumens associated with thermal chemical alteration and thermochemical sulfate reduction
- O36.** Chunfang Cai, Hongtao Li, Guanhui Wu, Kaikai Li, Mei Li & Lixin Chen
Sulphur isotopes as markers of oil-source correlation and thermochemical sulphate reduction in central Tarim
- O37.** G. Ellis, T. Zhang, Q. Ma & Y. Tang
Kinetics and mechanisms of hydrocarbon oxidation by thermochemical sulfate reduction

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