

Thursday 13th

Plenary 7 Chair: Linda Stalker

9.25 - 9.50 **O55. S. Larter**, B. Bennett, H. Huang, J. Adams, C. Jiang, T. Koksalan, Y. Liao, R. Rodgers, G. Klein & A. Marshall
The impact of in-reservoir biodegradation processes on non GC-amenable fractions of crude oil and advanced thermal recovery processes for heavy oil

9.50 - 10.15 **O56. V. Grossi**, C. Cravo-Laureau, D. Raphel, R. Guyoneaud & A. Hirschler-Rea
New insights into the metabolism of n-alkenes and n-alkanes in anaerobic bacteria

10.15 - 10.40 **O57. J. Volkman**, F. Prah, P. Bonin, I. Jameson & J.-F. Rontani
Optimization of the paleobiomarker applications of alkenones

10.40 - 10.45 **Announcements**

10.45 - 11.15 **Break**

Plenary 8 Chair: Cliff Walters

11.15 - 11.40 **O58. Z. Wei**, M. Moldowan, J. Dahl, D. Jarvie & R. Hill
The lifecycle of diamondoid cage hydrocarbons in nature

11.40 - 12.05 **O59. A. Bradley**, C. Marx & R. Summons
Assessing the role of sterol methyltransferase homologues in the methylhopanoid synthesis pathway of *Methylobacterium extorquens* AM-1

12.05 - 12.30 **2007 Alfred E. Treibs Award**

12.30 - 13.30 **Lunch**

13.00 - 14.30 **Short Course: To be announced**

13.30 - 15.00 **Poster Sessions: Petroleum Biodegradation, Petroleum Composition, Soil Biogeochemistry, Organic Matter Preservation, Biomarkers, Palaeoclimate Reconstructions in Continental Settings**

The Deep Biosphere Chair: Gordon Love

15.00 - 15.25 **O60. K. Mangelsdorf**, K.-G. Zink, A. Vieth, B. Horsfield, R. Sykes, B. Cragg, J. Rinna, G. Kim, A. Weightman, J. Parkes & J. Fry
The DEBITS project: Investigation of deep microbial ecosystems in a terrestrial environment

15.25 - 15.50 **O61. J. Fichtel**, J. Köster, J. Rulkötter & H. Sass
Analysis of spore dipicolonic acid contents for estimating the number of endospores in sediments

15.50 - 16.15 **O62. J. Lipp** & K.-U. Hinrichs
Intact polar lipids in the marine deep biosphere - structural diversity and quantities

Coal Geochemistry Chair: Maria Mastalerz

O63. R. Sykes, V. Dieckmann, B. Horsfield, T. Vu & P.E. Johansen
Maturation characteristics of the New Zealand Coal Band: Part 2 - kerogen restructuring and implications for modelling petroleum formation

O64. A. Bechtel, R. Sachsenhofer, R. Gratzner, A. Lücke & W. Püttmann
Biomarker and carbon isotope systematic in Cenozoic coal and fossil wood of Central Europe

O65. M. Ahmed, H. Volk, S. George, M. Faiz & L. Stalker
Oil sourced from Permian coals - geochemical evidence from Sydney Basin oil seeps and shows

16.15 - 16.45 **Break**

Global Events Chair: Tom Wagner

16.45 - 17.10 **O66. Y. Kashiyama**, N. Ogawa, Y. Chikaraishi, J. Kuroda, H. Kitazato & N. Ohkouchi
Physiology of photoautotrophs and paleoenvironment during the Cretaceous Ocean Anoxic Events based on nitrogen and carbon isotope analyses of individual sedimentary porphyrins

17.10 - 17.35 **O67. F. Smith**, K. Freeman & S. Wing
How large was the "true" carbon isotope excursion at the PETM?

17.35 - 18.00 **O68. L. Handley**, R. Pancost, E. Hawkins, C. Bennet, P. Pearson, E. Crouch & P. Bown
Biomarkers and isotopic records of climate change across the Paleocene-Eocene Thermal Maximum

Petroleum Systems (3) Chair: Peter Nederlof

O69. O. Samuel, C. Cornford, M. Jones, L. Pratt, A. Schimmelmann & C. Eneogwe
Improved understanding of Tertiary deltaic petroleum systems based on CSIA: an example from the Niger Delta, Nigeria

O70. Maowen Li, Shuichang Zhang, L. Snowdon & D. Issler
Pitfalls and potential remedies of the current oil-source correlation approach: case studies in two of the world's largest Tertiary deltaic systems

O71. D. Edwards, C. Boreham, J. Hope, J. Zumberge & R. Summons
Changes in the bulk and compound-specific stable isotopes (¹³C/¹²C and D/H) of Western Australian crude oils through time

18.00 - 18.45 **EAOG General Assembly**