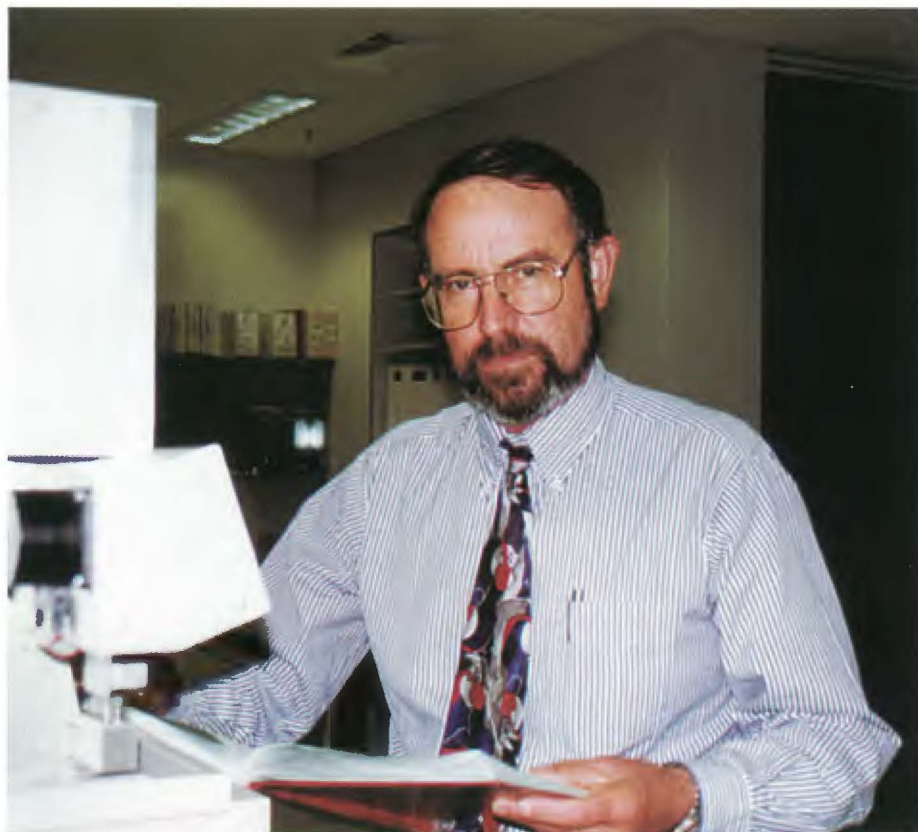


1998 PESA Australian Lecturer - Roger Summons

Title: "Oils of Australia: Uses for Petroleum Geochemistry in Exploration" and a one day course on "The Cutting Edge of Hydrocarbon Geochemistry". The course and lecture will be held in June 1998; please contact your branch for details.



Roger Summons

Outline:

- Introduction to geochemical tools
- Bulk properties, light hydrocarbons, isotopes, compound-specific isotopes, biomarkers, fluorescence etc
- New oil or gas? What to analyse for and how
- Controls on the composition of petroleum
- Source, maturity, migration and in-reservoir alteration
- Methods and uses for oil correlation
- Compositional databases, chemometrics and mapping oil families
- Making the best use of geochemical data
- Australian oil families and petroleum systems

Author's Biography

Roger Summons is a Chief Research Scientist at the Australian Geological Survey Organisation and is research coordinator for organic geochemistry. He holds B.Sc. (1969) and Ph.D. (1972) degrees in organic chemistry from the University of NSW (Wollongong University College) and joined BMR, AGSO's predecessor, in 1983 after periods of employment at Stanford University and ANU. Roger is a Fellow of the Royal Australian Chemical Institute and a Member of the Geochemical Society, European Association of Organic Geochemists and PESA. His research activities are in the chemistry of petroleum hydrocarbons as well as in isotope biogeochemistry and Earth history.