

## PERTEMUAN PERSATUAN (Meetings of the Society)

### Ceramah Teknik (Technical Talk)

## THE QUEST FOR ENERGY

14 December 2004  
School of Physics  
Universiti Sains Malaysia

PETER LLOYD

### Report

The Northern Section of the Society, in collaboration with the Geophysics Group of USM and the USM-AAPG Student Chapter, hosted a talk by Peter Lloyd on the Tuesday, 14<sup>th</sup> of December 2004. The talk, which was held at the Conference Room of the School of Physics, was well attended by about forty students and staff. The well-illustrated talk, which summarizes the roles of the different disciplines and professions involved in the search for, and discovery of petroleum, was well received by all the students. Mr Lloyd also clearly highlighted future challenges facing the industry, and the preparation required for the new generation of petroleum geoscientists. It was extended for nearly another hour due to overwhelming questions from the students. Mr Peter Lloyd has made himself very popular among the USM group. We hope to welcome him again in the near future.

Abd. Hadi Abd. Rahman

### Summary

This comprehensive introductory treatment of the Oil & Gas industry starts off by looking at world energy needs, worldwide oil and gas reserves and the challenging careers that are offered as those reserves are found and developed. The importance of technology advances is highlighted.

Different inter-related disciplines in the oil and gas industry will be discussed; geophysics, stratigraphy, sedimentology, geochemistry, petrophysics and reservoir engineering. The importance of data integration will be highlighted.

Petroleum Systems will then be examined with a discussion of source rocks, reservoirs, seals and traps as well as the processes of O&G generation, migration and entrapment. The drilling and production of hydrocarbon accumulations will also be presented.

The presentation concludes with a review of the importance of professional society involvement in ones career.