

## Thematic Session 22

### Clays in oil & gas applications

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Clay & Clay minerals play a key role in the exploration and development of oil & gas reserves. This session seeks presentations on the following topics:

1. Clay mineralogy in oil & gas exploration - how differences in mineralogy were used to detect new reservoirs/prove existing reserves.
2. Clay mineralogy in oil & gas production – how differences in clay mineralogy impact whether a reserve can be easily produced.
3. Clays in oil sands tailings – how clay mineralogy impacts tailings production & treatment.
4. Techniques of real time identification of clay minerals in a process flow.
5. Organic matter-clay associations in unconventional reservoirs.

Keywords: Oil sands, Shale, Oil & gas, Tailings, Production, Clay-organic interactions, Reservoir.

Potential Journal: Clays and Clay Minerals, AAPG Bulletin