

## **General Theme 2**

### **2.4**

Lacustrine basins are important oil&gas-productive areas in the world. In recent years, lacustrine sedimentology has made great achievements in term of source-sink system analysis, shallow-water delta, beach bar, deep-water sediments, fine-grained deposits, lacustrine carbonate, events deposits, deep reservoir forming mechanism and seismic sedimentology. However, problems and challenges of the lacustrine sedimentology are still present and need novel approaches. The main idea of this session is to bring innovation and new exploration fields for the study of lacustrine deposits. Specific papers may be referenced but not limited to the following eight topics:

- the gravity flow of lacustrine basins (hyperpycnal flows, MTDs, debris flow, sublacustrine landslide, turbidity flow),
- fine-grained deposition and unconventional resources,
- beach and bar of lacustrine basins,
- shallow-water delta,
- lacustrine carbonate, mixed deposits and reservoir,
- modern lacustrine analogs,
- lacustrine hydrodynamics (waves, alongshore currents, bottom currents) and related sediments,
- other new field of exploration and development.