Sessão Temática: Contribuição do Sensoriamento Remoto para a Exploração Petrolífera em Bacias Terrestres *(Contribution of remote sensing for oil exploration in terrestrial basins).*

Coordenador: Dr. Fernando Pellon de Miranda (Petrobras/Centro de Pesquisas e Desenvolvimento Leopoldo A. Miguez de Mello-CENPES)

The objective of this thematic session is to provide an overview of the value-adding possibilities that remote sensing offers to petroleum exploration in Brazilian terrestrial basins. The issues to be discussed address technological innovations that include (1) the evolutionary utilization of new sensors for identification of subsurface traps, (2) the synergistic use of different techniques for the identification of petroleum systems in outcrop scale, and (3) the use of neural networks and fuzzy logic in developing quantitative predictive models. The results can provide important information for the early stages of oil and gas exploration in onshore areas, such as seismic survey planning, definition of boundary conditions for the computational modeling of petroleum systems, and prospect selection for drilling.

Hora	**Título das Palestras**	**Apresentador**
09:00	Opening	Dr. Fernando Pellon de Miranda (Petrobras/CENPES)
09:10	Evolution of morphostructural interpretation techniques aiming at the detection of subsurface traps: transition from RADAMBRASIL, SRTM, and LIDAR	Dr. Fernando Pellon de Miranda (Petrobras/CENPES)
10:00	Joint interpretation of geomorphometry, structural geology, surface geochemistry, and fluid inclusions for the identification of petroleum systems in outcrop scale	Dr. Delano Menecucci Ibanez (Petrobras/CENPES)
10:50	Application of neural networks and fuzzy logic techniques in the development of quantitative prospective models	Dra. Talita Lammoglia (Petrobras/E&P Exploração)
12:00	Closing	