Name: Ali Asghar Taghavi

Tel: +47 97 64 70 33, **Fax:**

Address:
Department of Petroleum Technology and Applied Geophysics, S. P. Andersens Vei 15A, N-7491 NTNU, Trondheim, Norway

Education: PhD student (Petroleum Geosciences)

Research areas:

My research focuses on carbonate sequence stratigraphy and reservoir modelling in a case study from southwest Iran. Sequence stratigraphy studies are used as a preliminary part to construct the framework for modelling purposes. In the sequence stratigraphy part, an interval is studied from Upper Sarvak Formation deposited mid- Cenomanian-early Turonian to define main third order sequences as well as sequence boundaries and maximum flooding surfaces. Small scale sequences mainly 4^{th} orders are defining for using in reservoir modelling.

Rock Facies (RF) are defined based on original texture and digenetic effects to see porosity and permeability distribution. These rock facies act as a background to model reservoir properties including porosity, permeability and saturation.

The modelling part which is the main part of this study focuses on mapping rock facies and reservoir properties in un-drilled area between wells. Heterogeneity coming from original depositional environment and diagenesis may create different reservoir properties laterally and vertically. In the modelling part, it is tried to find this heterogeneity and defining flow units.
