

**Seminario di avvio al lavoro**  
**Martedì 26 aprile 2016 - ore 16.30**  
**aula Arduino - Polo Didattico di Scienze della Terra**  
**Via G. Gradenigo, 6**

**Dott. Geol. Paolo SUDIRO**  
Baker Hughes

**Going unconventional: the downhole technologies which unlocked the gas shales potential**

The development of shale reservoirs was the biggest technical revolution in the oil and gas industry since the move to the offshore plays. Although shale reservoirs were well known, and occasionally developed, since decades, the oil shale and gas shale boomed only in the beginning of the XXI century with the application to the low-budget projects typical of the shale business of expensive state-of-the art directional drilling, logging while drilling, stimulation and completion technologies originally developed for high-budget offshore projects. The application of these technologies to the shale reservoir had disruptive effects on the whole industry, threatening the market dominance of conventional oil and triggering an oil price war. This lecture will briefly cover the challenges posed by the development of unconventional shale reservoirs and the technical solutions adopted to overcome those challenges.

