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## Technology transfer and innovation in oil and gas supply chain

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Studying and analyzing the oil and gas industry's supply chain can be complex and sometimes unclear. A supply chain strategy and policy for this industry, comprises the improvement of boundaries and parameters that controls the interactions between different sectors. However, regardless of how good the current supply chain of the oil and gas is and how well the policies, strategies and technologies are placed, it still can be improved. On the other hand, improvement requires innovation especially in the operational environment. Operational innovation can simply be a different procedure in dealing with old problems. Over years, oil and gas companies including the drilling sector, develop through merger, acquisition and business divergence; whereas, growth, development and financial improvement can be achieved through innovation in the operation sector as well. However, the researcher's approach is to review the impact of the value and effect of the technology transfer on organizational policies, operational policies, knowledge based economy and innovation management of the value chain. In this regard the objective of this chapter is to study the extensive technology transfer management issues from the point of knowledge-based economy. The main hypothesis suggests the transformation of the traditional model of the technology transfer to a modern approach. The necessity to improve, grow and expand the knowledge-based economy towards a more efficient system, the lack of transparency amongst operation and knowledge transfer and lack of focus on vertical and horizontal organizational knowledge transfer are profound invitations for the remodeling and reinterpretation of the basics of the technology transfer.

### Biography

Daniel Davoodian is currently pursuing his PhD research at University of Southern Queensland with the research title "The perceived barriers of innovation and technology transfer in Australian on-shore drilling". He has been working for the oil and gas industry for 10 years in different faculties such as business development consultancy, maintenance planning, drilling operations as well as oil and gas trade.

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