**SPE Books:**

Data Driven Reservoir Modeling  

**SPE Technical Papers:**

SPE PetroTalk: Shahab Mohaghegh – AI and Machine Learning  
[https://www.youtube.com/watch?v=Simc0Kd4sPY&t=46s](https://www.youtube.com/watch?v=Simc0Kd4sPY&t=46s)

**SPE Young Technology Series (July 2016)**  
OnePetro Library:


- Reservoir Simulation Using Smart Proxy in SACROC Unit - Case Study. Qin He, Saint Francis University, Shahab D. Mohaghegh, Intelligent Solutions, Inc.& West Virginia University, Zhikun Liu, Xi'an Shiyou University. SPE-184069 - SPE Eastern Regional Meeting 2016 (URTeC). Canton, Ohio - September 13 - 15, 2016


- Production Management Decision Analysis Using AI-Based Proxy Modeling of Reservoir Simulations – A Look-Back Case Study. SPE 170664, SPE Annual Technical Conference and Exhibition (ATCE). Amsterdam, the Netherlands, 27-29 October 2014.

- Data-Driven Reservoir Management of a Giant Mature Oilfield in the Middle East. SPE 170660, SPE Annual Technical Conference and Exhibition (ATCE). Amsterdam, the Netherlands, 27-29 October 2014.


- Pattern Recognition and Data-Driven Analytics for Fast and Accurate Replication of Complex Numerical Reservoir Models at the Grid Block Level. SPE 167897, SPE Intelligent Energy Conference and Exhibition. Utrecht, the Netherlands, 1–3 April 2014.


- Application of Well-Based Surrogate Reservoir Models (SRMs) to Two Offshore Fields in Saudi Arabia, Case Study. *SPE 153845* - Western Regional Meeting. Bakersfield, California, USA, 21-23 March 2012.

- Grid-Based Surrogate Reservoir Modeling (SRM) for Fast Track Analysis of Numerical Reservoir Simulation Models at the Grid block Level. *SPE 153844* - Western Regional Meeting. Bakersfield, California, USA, 21-23 March 2012.


