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EDUCATION AND TRAINING

2008 PhD., Petroleum Engineering, Texas A&M University

2003 M.S., Petroleum Engineering, Texas A&M University

1998 B.Tech, Electrical Engineering, Indian Institute of Technology

RESEARCH AND PROFESSIONAL EXPERIENCE

Organization: School of Petroleum and Geological Engineering, University of Oklahoma.

Designation: Associate Professor, July 2014-

Organization: School of Petroleum and Geological Engineering, University of Oklahoma.

Designation: Assistant Professor, Aug 2008-July 2014

Organization: Occidental Oil and Gas Corporation, Houston, TX.

Designation: Reservoir Engineering Intern, Summer 2006

Organization: Dept. of Petroleum Engg, Texas A&M U.

Designation: Graduate Research Assistant, Spring 2004-Spring 2008.

Organization: Halliburton Company, Egypt and India.

Designation: Technical Project Leader, Wire-line Services, 1998-2001

SELECTED PUBLICATIONS

1. Verma, S., Zhao, T., Marfurt, K. and **Devegowda, D.** 2016. Estimation of Total-Organic-Carbon and Brittleness Volume. Accepted for publication in *SEG Interpretation*.
2. Chang, Y., Bouzarkouna, Z. and **Devegowda, D.** 2015. Multi-Objective Optimization for Rapid and Robust Optimal Oilfield Development Under Geological Uncertainty. *Computational Geosciences*, **19**(4), 993-950.
3. Hu, Y., **Devegowda, D.**, Striolo, A., Phan, A., Ho, A.T., Civan, F. and Sigal, R. 2015. The Dynamics of Hydraulic Fracture Water Confined in Nanopores in Shale Reservoirs. *Journal of Unconventional Oil and Gas Resources*, **9**(2015), 31-39.
4. Hu, Y., **Devegowda, D.**, and Sigal, F. 2015. Impact of Maturity on Kerogen Pore Wettability: A Modeling Study. Under review for the *SPE Journal*.
5. Hu, Y., **Devegowda, D.**, Striolo, A., Civan, F. and Sigal, R. 2014. A Pore Scale Study Describing the Dynamics of Slickwater Distribution in Shales Following Hydraulic Fracturing. *SPE Journal*, doi:10.2118/167234-PA.

6. Tagichian, A., Zaman, M. and **Devegowda, D.** 2014. Stress shadowing effect for multistage hydraulic fracturing in shale wells. *Journal of Petroleum Science and Engineering*, doi:10.1016/j.petrol.2014.09.034
7. Alzate, J. and **Devegowda, D.** 2013. The value of production logging combined with 3D surface seismic in unconventional plays characterization. *SEG Interpretation*. 2(2013); pp. SB37-SB49.
8. **Devegowda, D.**, Arroyo, E. and Datta-Gupta, A. 2009. Flow Relevant Covariance Localization Schemes for Ensemble Kalman Filter. *Advances in Water Resources*, doi: 10.1016/j.advwatres.2009.10.001
9. Arroyo, E., **Devegowda, D.** and Datta-Gupta, A. 2008. Streamline Assisted EnKF for Rapid and Continuous Reservoir Model Updating. *SPE Reservoir Evaluation & Engineering*, Dec 2008.
10. **Devegowda, D.** and Scott, S.L. 2004. An Assessment of Subsea Production Systems. *SPE Journal of Petroleum Technology*, pp 56-57 (August 2004).

BOOK CHAPTERS

1. **Devegowda, D.**, Xiong, X., Civan, F. and Sigal, R. 2015. The Role of Pore Proximity in Governing Fluid PVT Behavior and Produced Fluids Compositions in Liquids-Rich Shale Reservoirs. In *Unconventional Oil and Gas Resources Handbook: Evaluation and Development*. doi:10.1016/B978-0-12-802238-2.00006-7.
2. Sigal, F., **Devegowda, D.** and Civan, F. 2015. Simulation of Shale Reservoirs. *Fundamentals of Gas Shale Reservoirs*, ed. Reza Razaee, Wiley and Sons.
2. **Devegowda, D.** and Chao Gao. 2010. Reservoir Characterization and Uncertainty Assessment Using the Ensemble Kalman Filter: Formulation and Application to the Petroleum Industry. In *Uncertainty Analysis in Reservoir Characterization*, ed. Yuan Ma, AAPG.
3. Datta-Gupta, A., **Devegowda, D.**, Oyerinde, D. and Cheng, H. 2008. The Role of Streamline Models for Data Assimilation in Petroleum Engineering and Hydrogeology. In *Quantitative Information Fusion for Hydrological Sciences*, ed. Xing Cai and T.-C. Jim Yeh, Chap. 5, 105-136, Springer Verlag Publishers.

SELECTED SYNERGISTIC ACTIVITIES

1. Technical committee member, SPE Annual Technical Conference and Exhibition, 2013, 2014, 2015.
2. Technical committee member, SPE Unconventional Resources Conference, 2014.
3. Technical committee member, SPE Saudi Arabia Annual Technical Conference and Exhibition, 2012.
4. Technical committee member, SPE Production Operations Symposium, 2011.
5. Organizing committee, SPE History Matching Workshop, 2009, 2015.
6. Peer Reviewer
 - a. SPE Journal
 - b. Fluid Phase Equilibria

- c. Computational Geosciences
- d. Journal of Petroleum Science and Engineering
- e. Computers and Geosciences
- f. Advances in Water Resources
- g. International Journal of Coal Geology
- h. Journal of Natural Gas Science and Engineering
- i. *'Uncertainty Analysis in Reservoir Characterization'*, ed. X. Ma, American Association of Petroleum Geologists Press.
- j. 2013 Oil and Gas Awards, Midwestern Section
- k. Journal of Canadian Petroleum Technology
- l. Environmental Earth Sciences
- m. Neural Computing and Applications

PROFESSIONAL AND HONORARY ORGANIZATION AFFILIATIONS

1. Society of Petroleum Engineers
 2. American Society of Mechanical Engineers
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