

## Atefeh Jahandideh

jahandid@usc.edu  
(310) 962-2964

925 Bloom Walk, PCE 301  
Los Angeles, CA 90089

### Education

University of Southern California  
PhD in Petroleum Engineering  
GPA 3.98/4

Los Angeles, CA  
Expected May 2018

University of Tehran  
M.Sc. in Reservoir Engineering  
GPA 3.73/4

Tehran, Iran  
July 2012

Sharif University of Technology  
B.Sc. in Petroleum Engineering  
GPA 3.45/4

Tehran, Iran  
July 2010

### Research Experience

University of Southern California  
*PhD researcher*

Los Angeles, CA  
Fall 2012 - present

- Optimization of Hydraulic Fracturing Design under Spatially Variable Shale Fracability
- Optimization of Well Placement, Operational Control Settings and Drilling Schedule in Waterflooding Experiments
- Stochastic Oilfield Optimization under Future Development Uncertainty

University of Tehran  
*Master's Researcher*

Tehran, Iran  
Sep 2011- July 2012

- Modeling and Simulation Studies on the Effect of Inhibitors Injection into Gas Reservoirs for Preventing Hydrate Formation

Sharif University of Technology  
*Undergraduate Researcher*

Tehran, Iran  
Sep 2009 – July 2010

- Studying and Modeling the Bacterial Growth in Porous Media for Microbial Enhanced Oil Recovery (MEOR)

### Publications

- Jahandideh, A., Jafarpour, B. "Stochastic Oilfield Optimization for Hedging Against Uncertain Future Development Plans", European Conference on the Mathematics of Oil Recovery (ECMOR), 3-6 September 2018, Barcelona, Spain. [scheduled].
- Jahandideh, A., Jafarpour, B. "Reservoir Performance Optimization under Uncertain Future Development Plans ", SPE Western Regional Meeting, 22-26 April 2018, Garden Grove, California [scheduled].
- Jahandideh, A., Jafarpour, B. "Optimal Hydraulic Fracturing Design under Spatially Variable Shale Fracability ", Journal of Petroleum Science and Engineering 138 (2016): 174-188.

- Jahandideh, A., Jafarpour, B. "Optimal Hydraulic Fracturing Design under Spatially Variable Shale Fracability ", Western North America and Rocky Mountain Joint Conference and Exhibition, 15-18 April 2014, Denver, Colorado.
- Jahandideh, A., Vatani, A. "Economic Evaluation of Storage of Dry Gas/Gas Condensate in the Form of Natural Gas Hydrates", Sustainable, Integrated and Knowledge Based Development Conference, March 2012, Pars Special Energy and Economic Zone, Iran.
- Jahandideh, A., Moradi, P., Vosoughi, M. "Investigation of Thermodynamic Parameters Effect on Metabolite Activities of Microorganisms in Microbial Enhanced Oil Recovery", Technical Conference of Thermodynamic, September 2011, Iran.

### **Honors and Awards**

- Provosts PhD Fellowship, Graduate School, University of Southern California 2012-2016
- SPWLA Scholarship from Society of Petrophysicists and Well Log Analysts 2015
- Graduate Student Award of Excellence from Los Angeles Chapter of the Society of Petroleum Engineers 2014
- Winner of the best design in Chevron-USC Engineering Week Student Design Competition at USC 2014 & 2017
- Awarded in 9th Annual Graduate Student Research Symposium for best student presentation at USC 2013
- Graduate Student Award of Excellence from Los Angeles Chapter of the Society of Petroleum Engineers 2012
- Offered admission to Texas A&M University Ph.D. program in Petroleum Engineering 2012
- Selected to receive Graduate Fellowship from Texas A&M university, College Station, TX 2012

### **Skills**

- **Computer:** Matlab, Python, Eclipse, CMG, ABAQUS, PIPESIM
- **Lab:** Rock and Fluid Properties

### **Association Membership**

- Student member of Society of Petroleum Engineers (SPE) 2009 - present
- Member of Society of Exploration Geophysicists (SEG) student chapter board at USC 2013 - 2014