

# Femi Olorode

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## RESEARCH INTERESTS

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- Multiscale modeling of coupled physical processes in shale oil/gas reservoirs
- Numerical optimization, uncertainty analysis, and probabilistic forecasting
- Geomechanics and fracture modeling
- Compositional reservoir simulation

## EDUCATION

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- PhD Petroleum engineering, Texas A&M University, **August, 2017**
- MS Petroleum engineering, Texas A&M University, **August, 2011**
- BS Petroleum engineering, University of Ibadan **June, 2008**

## COURSES TAUGHT

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- PETE 7241-2                      Multiscale simulation of unconventional resources                      **Fall 2018**

## EXPERIENCE

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- Assistant Professor              Louisiana State University (Baton Rouge, LA)                      **2018 - Date**
- Postdoctoral Researcher      Texas A&M University (College Station, TX)                      **2017 - 2018**
- Graduate Assistant              Texas A&M University (College Station, TX)                      **2015 - 2017**
- Petroleum Engineer              Afren Resources (Houston, TX)                      **2011 - 2015**
- Graduate Assistant              Texas A&M University (College Station, TX)                      **2009 - 2011**

## PROFESSIONAL ACTIVITIES

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- Technical Editor, Society of Petroleum Engineers (SPE) Journal                      **2015 - Date**
- Technical Editor, Journal of Petroleum Science & Engineering (JPSE)                      **2015 - Date**

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## SELECTED PUBLICATIONS

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- **O. M. Olorode**, Y. I. Akkutlu, Y. Efendiev. “Compositional Reservoir Flow Simulation for Organic-rich Gas Shale”. SPE 182667-PA, In Press, SPE Journal (doi: 10.2118/182667-PA).
- **O. M. Olorode**, C. M. Freeman, G. J. Moridis, T. A. Blasingame. “High-Resolution Numerical Modeling of Complex and Irregular Fracture Patterns in Shale Gas and Tight Gas Reservoirs”. SPE 152482-PA, In Press, SPE Reservoir Evaluation & Engineering (doi: 10.2118/152482-PA).
- **O. M. Olorode**, Y. I. Akkutlu, Y. Efendiev. “Modeling of Compositional Gas Transport in Shale as a Deformable Porous Medium”. Peer-reviewed article in the 6<sup>th</sup> Biot Conference Proceedings, July 2017 (doi: ascelibrary.org/doi/abs/10.1061/9780784480779.246).
- I. Y. Akkutlu, S. Baek, **O. M. Olorode**. “Shale Resource Assessment in the Presence of Nanopore Confinement”. SPE-2670808-MS, presented at the URTEC Conference in July 2017. In review for SPE Journal publication.
- **O. M. Olorode**, Y. I. Akkutlu, Y. Efendiev. “A Compositional Model for CO<sub>2</sub> Storage in Deformable Organic-Rich Shales”. SPE-185792-MS, presented at the EUROPEC Conference in June, 2017.
- T. A. Blasingame, **O. M. Olorode**, T. O. Odunowo, G.J. Moridis, C.M. Freeman. “Evaluation of Well Performance for the Slot-Drill Completion in Low and Ultra-Low Permeability Oil and Gas Reservoirs”. SPE 164547-PA, In Press, SPE Journal (doi: 10.2118/164547-PA).
- **O. M. Olorode** “A New Multicontinuum Model for Compositional Gas Transport in a Deformable Shale Formation”. PhD Dissertation, defended on June 7, 2017. Supervised by Dr Akkutlu and Dr Efendiev.
- **O. M. Olorode**. “Numerical Modeling of Fractured Shale-Gas and Tight-Gas Reservoirs Using Unstructured Grids”. MS Thesis, 2011. Supervised by Dr Blasingame and Dr Moridis.