

## Session Program

May 14 - 17, 2018



# INTERPORE

InterPore 10th Annual Meeting and Jubilee  
May 14-17 2018, New Orleans, USA  
[interpore.org/neworleans](http://interpore.org/neworleans)

LSU Tulane University



## InterPore2018 New Orleans

### Parallel 10-G

New Orleans

# Thu, May 17

10:45 AM

## Parallel 10-G

**Session** | **Location:** New Orleans

10:47 - 11:02 AM

**A posteriori error estimates, stopping criteria, and adaptivity for a two phase flow with exchange between phases as a nonlinear complementarity problem in porous media**

**Speaker**

Mr Jad Dabaghi

11:05 - 11:20 AM

**Understanding Wicking in Textile by Multiscale Imaging and Modeling**

**Speaker**

Mr Robert Fischer

11:23 - 11:38 AM

**Multiscale Computation of Pore-Scale Fluid Dynamics**

**Speaker**

Yashar Mehmani

11:41 - 11:56 AM

**Unsupervised Machine Learning Based on Tensor Factorization**

**Speaker**

Velimir Vesselinov

11:59 AM - 12:01 PM

**A Computational Model for Freezing and Thawing in Soil**

**Speaker**

Rafid al Khoury

12:02 - 12:04 PM

**Fast Forecast of Future Reservoir Performance Using Deep Learning**

**Speaker**

Hoonyoung Jeong

12:05 - 12:07 PM

**Risk Assessment of Carbon Sequestration into A Naturally Fractured Aquifer at Kevin Dome, Montana**

**Speaker**

Bill Carey

12:08 - 12:10 PM

**Diffusion and dispersion with heterogeneous reaction in homogeneous porous media: The macroscale models revisited**

**Speaker**

Dr D. Lasseux

12:11 - 12:13 PM

**Examination of Capillary Pressure-Saturation-Interfacial Area Relation under Dynamic Conditions using Volume-Of-Fluid (VOF) Method**

12:15 PM

**Speaker**  
Santosh Konangi