

Session Program

May 14 - 17, 2018



InterPore 10th Annual Meeting and Jubilee
May 14-17 2018, New Orleans, USA
interpore.org/neworleans



InterPore2018 New Orleans

Parallel 8-G

New Orleans

Wed, May 16

2:35 PM

Parallel 8-G

Session | Location: New Orleans

2:37 – 2:52 PM **High order methods for the simulation of viscous fingering**

Speaker

Beatrice Riviere

2:55 – 3:10 PM

Enriched Galerkin for Darcy flow, reactive transport and elastic wave propagation

Speaker

Mary Wheeler

3:13 – 3:28 PM

High-order space-time approximations of dynamic poroelasticity models

Speaker

Dr Uwe Koecher

3:31 – 3:39 PM **Short Break**

3:40 – 3:55 PM **Weak Galerkin Method and Its Applications**

Speaker

Prof. Xiu Ye

3:58 – 4:13 PM **Numerical methods for non-equilibrium porous media flow models**

Speaker

Iuliu Sorin Pop

4:16 – 4:31 PM

A linearly stable, implicit WENO scheme applied to two-phase flow in porous media

Speaker

Todd Arbogast

4:34 – 4:49 PM

A Higher-Order Central-Upwind Scheme for Multiphase Flow in Heterogeneous Porous Media

Speaker

Dr Maicon Correa

4:52 – 4:54 PM

Challenges to understanding water imbibition under microgravity by numerical simulation.

Speaker

Mr Naoto Sato

4:55 – 4:57 PM

Constitutive Relations for a New Theoretical Framework Describing 2-Phase-Flow in Porous Media

Speaker

Dr Mathias Winkler

4:58 - 5:00 PM

The influence of fracture on the gas reservoir development by the seepage experiment

Speaker

Mrs Chunyan Jiao

5:01 - 5:03 PM

Instability Analysis of Poiseuille Flow of Suspensions Overlying Porous Media

Speaker

Dr Indika Udagedara

5:04 - 5:06 PM

Quaternions Formulation of Linear Thermoporoelasticity

Speaker

Mario-Cesar Suarez-Arriaga

5:07 - 5:09 PM

Enriched Galerkin with Direct Serendipity Elements on Quadrilaterals for Two-Phase Flow in Porous Media

Speaker

Dr Zhen (Jane) Tao

5:10 - 5:12 PM

Empty pitch slot

5:13 - 5:15 PM

Accuracy of WENO and Adaptive Order WENO Reconstructions for Solving Conservation Laws

Speaker

Ms Xikai Zhao

5:15 PM