

## Session Program

May 14 - 17, 2018



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



## InterPore2018 New Orleans

### Parallel 8-C

New Orleans

# Wed, May 16

2:35 PM

## Parallel 8-C

Session | Location: New Orleans

2:37 - 2:52 PM **A nonconforming discrete fracture model of single-phase Darcy flow**

**Speaker**

Mr Markus Köppel

2:55 - 3:10 PM

**Hydro-mechanical coupling strategies for fluid-filled fractures using a hybrid dimensional formulation**

**Speaker**

Patrick Schmidt

3:13 - 3:28 PM **Empty oral slot**

3:31 - 3:39 PM **Short Break**

3:40 - 3:55 PM

**Discontinuous Galerkin approximation of flows in fractured porous media on polytopic grids**

**Speaker**

Mrs Chiara Facciola

3:58 - 4:13 PM

**System Reduction of Discrete Fracture Network Simulations Using Graph-Based Methods**

**Speaker**

Jeffrey Hyman

4:16 - 4:31 PM

**Algebraic Dynamic Multilevel (ADM) method for flow in heterogeneous porous media with embedded discrete fractures**

**Speaker**

Matteo Cusini

4:34 - 4:49 PM

**An extension of the fault two-layer reduced model accounting for the flow properties of the core and damage zones**

**Speaker**

Guillaume Enchéry

4:52 - 4:54 PM **Reduced Models of Flow and Mechanics in Fractured Porous Media**

**Speaker**

Dr Jan Stebel

4:55 - 4:57 PM

**Hybrid-dimensional two-phase flow in fractured porous Media with interfacial pressure and saturation unknowns**

**Speaker**  
Roland Masson

4:58 - 5:00 PM **Modeling Energized Fluids Fracturing with Phase Field Method**

**Speaker**  
Mohamad Jammoul

5:01 - 5:03 PM

**A multiscale flux basis for mortar mixed discretizations of reduced fracture models**

**Speaker**  
Dr Elyes Ahmed

5:04 - 5:06 PM

**GENFIELD: a parallel software for the generation of stationary Gaussian random fields**

**Speaker**  
Mr Simon Legrand

5:07 - 5:09 PM

**Poroelastic properties on metal foams submitted to high pressure**

**Speaker**  
Enrique Peña De la Paz

5:10 - 5:12 PM

**Structural stability in synthetic rocks and metallic foams under reservoir conditions**

**Speaker**  
ELSA DE LA CALLEJA

5:13 - 5:15 PM

**Hybrid Modelling of Fractured Reservoirs Using the Effective Medium Theory**

**Speaker**  
Prof. Sebastian Geiger

5:15 PM