

Session Program

14-17 May 2018



INTERPORE

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

LSU Tulane University



InterPore2018 New Orleans

Parallel 5-B

New Orleans

Tuesday 15 May

14:35

Parallel 5-B

Session | **Location:** New Orleans

14:37–14:52

Capillary imbibition in wood governed by water adsorption in walls

Speaker

Mr Philippe COUSSOT

14:55–15:10

TUNING PORE MORPHOLOGY AND FUNCTIONALITY IN SOFT POROUS MATERIALS

Speaker

Daniel Grande

15:13–15:28

Origin of sorption hysteresis of micro-porous polymers: an explanation based on hydrogen bonds

Speaker

Mingyang Chen

15:31–15:39

Short Break

15:40–15:55

First and second order transition during water adsorption in hemicellulose and its consequence on hygro-mechanical behavior

Speaker

Chi Zhang

15:58–16:13

Kerogen flexibility, a key to understand hydrocarbon expulsion from shale reservoirs?

Speaker

Dr Pierre-Louis Valdenaire

16:16–16:31

Hydrogen storage, adsorption induced deformation and the role of confinement dimensionality in CAU metal organic frameworks

Speaker

Dr Margarita Russina

16:34–16:49

In-situ control of soft adsorbents pore size for optimal separation properties

Speaker

Nicolas Chanut

16:52–16:54

Mitigation of arsenic mass poisoning

Speaker

Ian Griffiths

16:55–16:57

Optimal non-woven filter media using multiscale simulations

Speaker

Dr G. Printsypar

16:58–17:00

Effect of Wearing in Impeller Blades of a Denver Flotation Cell on Hydrophobic Silica Flotation at Laboratory Scale**Speaker**

Mr Allan Gomez-Flores

17:01–17:03

Creep/swelling behavior of shale/clay: Discrete element modeling, based on Monte-Carlo technique**Speaker**

Dr Sutarshi Pradhan

17:04–17:06

Moisture-induced swelling of oil-painted linen canvas: experiments and modeling**Speaker**

Dominique Derome

17:07–17:09

Hydro-mechanical coupling of deformable porous solids with two immiscible phases**Speaker**

Dr Hiram Arroyo Chávez

17:10–17:12

Deforming unsaturated media: a unified approach**Speaker**

Jacques Huyghe

17:13–17:15

Modeling Soil Water Retention Curve under Non-Isothermal Conditions**Speaker**

Farshid Vahedifard

17:15