



17^e Journées d'Etudes des Milieux Poreux

Du 4 au 6 novembre 2025 à Orléans

Domaines variés / *Various topics*

Stockage de l'énergie / *Energy storage*
 Géothermie / *Geothermal energy*
 Génie civil / *Civil engineering*
 Dépollution / *Remediation*
 Energies renouvelables / *Renewable energy*
 Agroalimentaire / *Food industry*
 Santé / *Health*
 Matériaux / *Materials...*

Interdisciplinarité / *Interdisciplinarity*

Mathématiques appliquées / *Applied mathematics*
 Mécanique des fluides / *Fluid mechanics*
 Transferts de chaleur et de masse / *Heat and mass transfer*
 Génie des procédés / *Process engineering*
 Géosciences / *Geosciences*
 Transport réactif / *Reactive transport*
 Modélisation numérique / *Numerical modeling*
 Microfluidique / *Microfluidics...*

Orateurs invités / *Invited keynote speakers:*

Lydéric Bocquet, Ecole Normale Supérieure, Paris
 Laurent Brochard, Laboratoire Navier, Champs-sur-Marne
 Carla De Tomas, Imperial College London (Grande-Bretagne)
 Jennifer Druhan, University of Illinois Urbana-Champaign (Etats-Unis)
 Rainer Helmig, University of Stuttgart (Allemagne)
 Sylvie Lorthois, Institut de Mécanique des Fluides de Toulouse



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Mardi 4 novembre

salle / room:		plénière	salle atelier 1	salle atelier 2
08:30	Accueil café / <i>Coffee</i>			
08:45	Mots de bienvenue / <i>Welcoming words</i>			
09:00	Keynote 1	Rainer Helmig, University of Stuttgart (Germany), Kimberly-Clark Distinguished Lecturer 2025 of the International Society for Porous Media		
09:45	Pause café / <i>Coffee break</i>			
10:15	Sessions parallèles 1	Imagerie et caractérisation des milieux poreux I	Transport colloïdal et particulaire en milieu poreux	Milieux confinés, nano-échelles et modélisation moléculaire
11:55	Déjeuner / <i>Lunch</i>			
13:45	Keynote 2	Jennifer Druhan, University of Illinois Urbana-Champaign, Institut de Physique du Globe de Paris		
14:30	Sessions parallèles 2	Ecoulements multiphasiques en milieux poreux I	Mécanique, poromécanique, rupture, endommagement	Mésoporeux
15:50	Pause café / <i>Coffee break</i>			
16:15	Sessions parallèles 3	Microfluidique	Transfert thermique en milieux poreux	Transferts en milieux fracturés
17:35				
18:00	Cocktail de bienvenue / <i>Welcome reception</i> - Musée des Beaux-Arts			

Mercredi 5 novembre

salle / room:	plénière	salle atelier 1	salle atelier 2
08:30	Accueil café		
08:45	Keynote 3	Carla de Tomas , King's College London (UK)	
09:30	Sessions parallèles 4	<i>Imagerie et caractérisation des milieux poreux II</i>	<i>Transport réactif I</i>
10:30	Pause café / Coffee break		
11:00	Sessions parallèles 5	<i>Imagerie et caractérisation des milieux poreux III</i>	<i>Milieux poreux biologiques I</i>
12:20	Déjeuner / Lunch		
14:00	Keynote 4	Lydéric Bocquet , Ecole Normale Supérieure (Paris)	
14:45	Sponsors	Présentation des sponsors / Sponsor presentations	
15:15	Sessions parallèles 6	<i>Modèles numériques et couplage pour les milieux poreux</i>	<i>Transport, mélange et dispersion en milieu poreux</i>
16:35	Pause café - posters / Coffee break - posters		
17:30	Assemblée générale / FIC general assembly		
19:00	Dîner de gala / Gala dinner		

Jeudi 6 novembre

salle / room:	plénière	salle atelier 1	salle atelier 2
08:30	Accueil café		
08:45	Keynote 5	Sylvie Lorthois , Institut de Mécanique des Fluides de Toulouse	
09:30	Sessions parallèles 7	<i>Imagerie et caractérisation des milieux poreux IV</i>	<i>Couplages multiphysiques en milieux poreux I</i>
10:30	Pause café - posters / Coffee break - posters		
11:30	Sessions parallèles 8	<i>Transport réactif II</i>	<i>Couplages multiphysiques en milieux poreux II</i>
12:30	Déjeuner / Lunch		
14:00	Keynote 6	Laurent Brochard , Laboratoire Navier, Ecole Nationale des Ponts et Chaussées	
14:45	Sessions parallèles 9	<i>Transport réactif III</i>	<i>Milieux poreux biologiques II</i>
16:05	Pause café / Coffee break		
16:20	Clôture / Closing words		
16:30	FIN / END		
19:00	Conférence grand public au Mobe		

Mardi 4 novembre 2025

Session parallèle 1	<i>Imagerie et caractérisation des milieux poreux I</i> <i>Imaging and characterization of porous media I</i>	
10:15	Imaging solute transport in 3D printed porous media	Lamblin Marc - Géosciences (Rennes France)
10:35	3D visualization of fast two-phase flows in porous media using a laboratory x-ray CT scanner	Oxarango Laurent - Institut des Géosciences de l'Environnement (UGA - IGECs Grenoble, France)
10:55	Exploring water transport and aging mechanisms in bio-based porous materials through NMR relaxometry	Sidi-Boulénouar Rahima - Université Gustave Eiffel (France)
11:15	Morphology probed locally through tortuosimetric analysis	Chaniot Johan - Institut Mines-Télécom (France)
11:35	Fluid transfers through dynamic NMR relaxometry	Maillet Benjamin - Navier Laboratory (Champs-sur-Marne, France)
Session parallèle 1	<i>Transport colloïdal et particulaire en milieu poreux</i> <i>Colloidal and particle transport in porous media</i>	
10:15	Flow induced intermittent transport shapes colloid filtration in porous media	De Anna Pietro - Université de Lausanne (Suisse)
10:35	Pore-scale modelling of diffusiophoresis for groundwater remediation	Cajot Florian - Institut des Sciences de la Terre d'Orléans (France)
10:55	Stochastic modeling and simulation of particle bridging in constricted channels	Maya Fogouang Laurez - Institut des Sciences de la Terre d'Orléans (France)
11:15	Progressive clogging via dendrite growth in porous media	Okaybi Walid - Institut des Sciences de la Terre d'Orléans (ISTO) (France)
11:35	Modeling of the Hydrophobic Treatment of Gas Diffusion Layers to predict PTFE distribution	Arnelli Pierluigi - Laboratoire d'Innovation pour les Technologies des Energies Nouvelles et les nanomatériaux (France)
Session parallèle 1	<i>Milieux confinés, nano-échelles et modélisation moléculaire</i> <i>Confined media, nanoscale and molecular dynamics</i>	
10:15	Fluctuations enhance diffusive transport in nanopores	Marbach Sophie - Physicochimie des Electrolytes et Nanosystèmes Interfaciaux (France)
10:35	Insights Into Bangham's Law With Molecular Simulations: Surface Stress vs. Surface Tension in C-S-H	Leng Jingyi - Laboratoire Navier (France)
10:55	Flow and phase behavior of nanoconfined aqueous solutions	Boudaoud Abir - Institut Lumière Matière [Villeurbanne] (France)
11:15	Thermodynamic and structural insights into water intrusion in ZIF-8 using calorimetry and neutron diffraction	Marescot Thomas - LLB - Matière molle et biophysique (France)
11:35	Texture-based assessment of gas adsorption selectivity on porous carbons with enhanced separation properties	Schaefer Sébastien - Interfaces, Confinement, Matériaux et Nanostructures (France)

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Session parallèle 2	<i>Écoulements multiphasiques en milieux poreux I</i> <i>Multiphase flows in porous media I</i>	
14:30	Influence of wettability on water relative permeabilities curves in unconsolidated porous media: from water-wet to oil-wet	Hernandez Perez Kevin - Institut Terre Environnement Strasbourg (France)
14:50	Pilot-scale investigation of LNAPL transport under dynamic water table conditions: 3D three-phase flow experiments and simulations	Alamooti Amir - GeoRessources (France)
15:10	Modeling approaches for drainage instabilities in porous media: phase-field versus dynamic capillary pressure modeling	Omni Siddhartha H. - Institut de Recherche en Génie Civil et Mécanique (GeM) (France)
15:30	Disorder-induced non-linear growth of fingers in immiscible two-phase flow in porous media	Meheust Yves - Géosciences Rennes (France)
Session parallèle 2	<i>Mécanique, poromécanique, rupture, endommagement</i> <i>Mechanics, poromechanics, fracture, damage</i>	
14:30	Friction modifies poroelasticity of a yeast clog	Liot Olivier - Institut de mécanique des fluides de Toulouse (France)
14:50	Micro-mechanical study of hydro-mechanical coupling at the interfaces of raw Earth masonry	Georges David - Laboratoire sols, solides, structures - risques [Grenoble] (France)
15:10	Implementing contact-mechanics in faulted porous media using VEM	Chassonnery Pauline - Bureau de Recherches Géologiques et Minières (BRGM) (France)
15:30	Skin factor model for CO2 injection in coalbed reservoir	Le Tien Dung - Laboratoire d'Energétique et de Mécanique Théorique et Appliquée (Vandoeuvre-lès-Nancy, France)
Session parallèle 2	<i>Mésoporeux</i> <i>Mesoporous</i>	
14:30	Use of functionalized mesoporous carbons in production of 165Er	Da Silva Isidro - CNRS CEMHTI (Orléans, France)
14:50	NH3-responsive chromism of cyanine dyes adsorbed on surface-modified mesoporous silica	Sohmiya Minoru - Idemitsu Kosan Co.,Ltd. (Japon)
15:10	Quantification of the pore connectivity in mesoporous carbons by analyzing hysteresis scanning curves	Ania Conchi - Conditions Extrêmes et Matériaux : Haute Température et Irradiation (France)

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Session parallèle 3			<i>Microfluidique</i> <i>Microfluidics</i>
16:15	Measurements of concentration gradients in geological porous media using microfluidics devices and Raman spectroscopy	Sarr Mohamadou - Institut des Sciences de la Terre d'Orléans (France)	
16:35	Tuning wettability of microfluidics via in situ plasma treatment	Douat Claire - Groupe de recherches sur l'énergétique des milieux ionisés (France)	
16:55	Crystallization of sodium chloride in microfluidic pore systems	Genetelli Jade - Laboratoire d'Analyse et d'Architecture des Systèmes - Equipe MILE (France)	
17:15	Pore-scale study of pickering emulsions for chlorinated solvent remediation via compositional ripening	Wang Shuxin - Arts et Metiers Institute of TechnologyA (France)	
Session parallèle 3			<i>Transfert thermique en milieux poreux</i> <i>Heat transfer in porous media</i>
16:15	Selection of convection cells during convective instabilities in heterogeneous porous media: state of the art benchmarking	Quintin Elliot - IFP Energies nouvelles (France)	
16:35	Coupled heat and moisture transfer in porous building materials: accounting for the sorption hysteresis	Benmahiddine Ferhat - École Spéciale des Travaux Publics, du Bâtiment et de l'Industrie [Paris] (France)	
16:55	Simulation of a porous iron particle melting in a fluid	Robin Jean - Institut Jean Le Rond d'Alembert (France)	
17:15	Improved modelling of the conduction-radiation coupling in heterogeneous media by a fully stochastic approach	Roch Mattéo - CEA Le Ripault (France)	
Session parallèle 3			<i>Transferts en milieux fracturés</i> <i>Transfers in fractured media</i>
16:15	The dual porosity approach for modelling seawater intrusion in fractured aquifers	Koohbor Behshad - GeoRessources (France)	
16:35	Analysis of heat transport in fracture networks with dead ends	Ringel Lisa Maria - Géosciences Rennes (France)	
16:55	Capturing multi-scale fracture effects in CO2 storage modelling under uncertainty	Perez Sarah - Heriot-Watt University (Edinburgh, Royaume-Uni)	
17:15	An efficient approach to model fluid flow and heat transfer in fractured rock: application in geothermal energy	Alawieh Nour - GeoRessources (France)	

Mercredi 5 novembre 2025

Session parallèle 4	<i>Imagerie et caractérisation des milieux poreux II</i> <i>Imaging and characterization of porous media II</i>	
09:30	Evolution of cohesive contact surface area in biocemented granular media characterized by X-ray microtomography	Naillon Antoine - Univ. Grenoble Alpes, CNRS, Grenoble INP, 3SR, Grenoble, France
09:50	Direct experimental quantification of salt-induced permeability reduction in porous media	Ben Elhadj Hamida Syrine - Université de Pau et des Pays de l'Adour, CNRS, LFCR, DMEX, Pau, France
10:10	Characterization of Porous Metallic Structures Made by Additive Manufacturing for Heat Pipe Applications	Kodio Vincent - LABORATOIRE DE MODÉLISATION ET MATÉRIAUX POUR LA MÉTALLURGIE (France)
Session parallèle 4	<i>Transport réactif I</i> <i>Reactive transport I</i>	
09:30	Multiscale reactive transport modeling of ion transport in charged porous media	Tournassat Christophe - Earth Science Division [LBNL Berkeley] (États-Unis) - Institut des Sciences de la Terre d'Orléans (France)
09:50	Clayrock electrokinetic coupling modelling using Lattice Boltzmann Method	Tinet Anne-Julie - Laboratoire GeoRessources (France)
10:10	Water flow and solute transport in low-cost porous adsorbents: application to olive mill waste water filtration	Lamy Edvina - Université de Technologie de Compiègne (France)
Session parallèle 4	<i>Méthodes numériques</i> <i>Numerical methods</i>	
09:30	Development of a new-well balanced numerical scheme for compressible porous media flows	El Ouafa Simon - Université Paris-Saclay, UVSQ, CNRS, CEA, Maison de la Simulation, Gif-sur-Yvette, France (France)
09:50	Enhancements in large-scale hydraulic flow modeling	Parisot Martin - Inria Université de Bordeaux
10:10	Eliminating contact angle in pore-scale two-phase flow: an OpenFOAM-based approach	Norouzisadeh Mojtaba - Institut des Sciences de la Terre d'Orléans (France)

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Session parallèle 5	<i>Imagerie et caractérisation des milieux poreux III</i> <i>Imaging and characterization of porous media III</i>	
11:00	Pore size distribution of Lorrain coal using NMR relaxometry and cryoporometry	Jiang Minchuan - Laboratoire Energies et Mécanique Théorique et Appliquée (France)
11:20	Impact of sedimentary and diagenetic heterogeneities on petrophysical properties (porosity, permeability, P wave velocity) of continental limestones	Jamey Thibaut - Institut des Sciences de la Terre d'Orléans (France)
11:40	Optical thermometry for dynamic imaging of heat transport in analog porous media	Rashed Arwa - Univ. Rennes, CNRS, Géosciences Rennes (France)
12:00	Free and bound water transport during drying of clay material as observed by NMR	Ait Chekh Yousra - Laboratoire Navier (France)
Session parallèle 5	<i>Milieux poreux biologiques I</i> <i>Biological porous media I</i>	
11:00	Spatio-temporal characteristics of a proliferating <i>saccharomyces cerevisiae</i> clog	Ghenni Mathieu - Institut de mécanique des fluides de Toulouse (France)
11:20	Bioclogging and its impact on biodegradation in NAPL-contaminated sites	Eddaoui Noura - Institut des Sciences de la Terre d'Orléans (France)
11:40	Drying dynamics in biological materials revealed by NMR: potatoes as a case study	Zou Yuliang - Laboratoire Navier (France)
12:00	Water transfer in starch-fibers composite	Hbaieb Olfa - Laboratoire Navier (France)
Session parallèle 5	<i>Ecoulements multiphasiques en milieux poreux II</i> <i>Multiphase flows in porous media II</i>	
11:00	Determination of the relative permeability of earthen material during drying using Magnetic Resonance Imaging	Keita Emmanuel - Laboratoire Navier (Champs-sur-Marne France)
11:20	Impact of inertia on the stability of two-phase flow: a pore-doublet approach	Bernard Nathan - Institut des Sciences de la Terre d'Orléans (France)
11:40	Thin film flow: fluid transport via thin liquid film in slow porous media flows	Moura Marcel - PoreLab - University of Oslo (Norvège)
12:00	Enhancements in large-scale subsurface flow modelling	Erdocio Sebastien - IFP Energies nouvelles (France)

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Session parallèle 6	<i>Modèles numériques et couplage pour les milieux poreux</i> <i>Numerical models and couplings for porous media</i>	
15:15	Field scale Thermo-poro-mechanical modelling for CO2 storage	Bourgeois Frederic - Centre scientifique et Technique Jean Feger (France)
15:35	Modeling complex flows in porous media with ComPASS	Smai Farid - BRGM (Orléans France)
15:55	A THMC approach for crack appearance within reactive porous media under hydrochemo-mechanical loads	Seigneur Nicolas - Mines Paris PSL (France)
16:15	Coupled thermo-hydro-mechanical uncertainties for CO2 storage integrity assessment	Pillardou Nicolas - CHLOE - UPPA (France)
Session parallèle 6	<i>Transport, mélange et dispersion en milieu poreux</i> <i>Transport, mixing and dispersion in porous media</i>	
15:15	Dispersion in porous media: A comprehensive numerical comparison of existing methods	Grigorov Emil - Aix Marseille Universite, CNRS, IUSTI, Marseille (France)
15:35	Convective dissolution of CO2 in index-matched porous media: a shadowgraphy study	Imuetinyan Happiness - Laboratoire des Fluides Complexes et leurs Réservoirs (France)
15:55	Incomplet mixing in chaotic flows	Heyman Joris - - Géosciences Rennes (France)
16:15	Intrinsic permeability of heterogeneous porous media	Jiao Wengqiao - University of Lausanne / Institute of Earth Sciences (Suisse)
Session parallèle 6	<i>Fluides complexes, non-newtoniens, inertiels et turbulents</i> <i>Complex, non-Newtonian, inertial and turbulent fluids</i>	
15:15	Numerical simulations of turbulent flows in double porosity media	Roncen Remi - ONERA, Université de Toulouse (France)
15:35	Foam coarsening dynamics within non-Newtonian fluids	Zhou Tongke - China University of Petroleum Beijing (Chine)
15:55	Poiseuille flow for S-shaped shear-thickening fluids: streamwise banding and viscous sandglasses	Talon Laurent - Fluides, automatique, systèmes thermiques (ORSAY, France)
16:15	Characterization of Drag and Permeability of Dendritic Grains by Numerical Simulations	Založnik Miha - Institut Jean Lamour (France)

Jeudi 6 novembre 2025

Session parallèle 7	<i>Imagerie et caractérisation des milieux poreux IV</i> <i>Imaging and characterization of porous media IV</i>	
09:30	19F magnetic resonance imaging-informed of PFAS in porous media	Peyneau Pierre-Emmanuel - Eau et Environnement (France)
09:50	Evaporation of a sodium chloride aqueous solution from a porous medium: dome efflorescence formation	Oumeima Souissi - Laboratoire Matériaux et Durabilité des constructions (France)
10:10	Impact of Saturation Level and Water Redistribution on Carbon Mineralization in Unsaturated Porous Media	Golmohammadi Meysam - Institut des Sciences de la Terre d'Orléans (France)
Session parallèle 7	<i>Couplages multiphysiques en milieux poreux I</i> <i>Multiphysics couplings in porous media I</i>	
09:30	Water retention curve of PEM fuel cell catalyst layer from numerical simulations on 3D digital images	Flaumenbaum Paul - Institut de mécanique des fluides de Toulouse (France)
09:50	Gas transport through porous media induced by a temperature gradient	Graur Irina - IUSTI (Marseille France)
10:10	Theory and lattice Boltzmann modeling of pollutants in solution: effect of the porous medium heterogeneity on adsorption and transport	Ben Amor Nada - Laboratoire Interdisciplinaire de Physique (Saint Martin d'Hères, France)
Session parallèle 7	<i>Milieux fibreux</i> <i>Fibrous media</i>	
09:30	Benchmark exercise on the numerical prediction of permeability of anisotropic fibrous materials	Syerko Elena - Nantes Université, Ecole Centrale Nantes, CNRS, GeM (France)
09:50	Free surface flow around and inside an amphiphilic porous hollow fiber	Beltrame Philippe - Environnement Méditerranéen et Modélisation des Agro-Hydrosystèmes (France)
10:10	Radiative characterization of a fibrous medium by cylinder stack morphological study and Monte Carlo method	Souveton Mahé - Thermique aux Nano échelles et Rayonnement [Institut Pprime] (France)

Jeudi 6 novembre 2025

Session parallèle 8	<i>Transport réactif II</i> <i>Reactive transport II</i>	
11:30	Machine learning for geochemistry and application to thermal reactive transport	Michel Anthony - IFP Energies nouvelles (France)
11:50	Numerical study of reactive transport in unsaturated porous media	Wang Hui - Géosciences Rennes (France)
12:10	Hydro-Mechano-Chemical Coupling for the Simulation of Pore-Scale Integrity in Crystallization Process	Poncet Philippe - Laboratoire de Mathématiques et de leurs Applications [Pau] (France)
Session parallèle 8	<i>Couplages multiphysiques en milieux poreux II</i> <i>Multiphysics couplings in porous media II</i>	
11:30	Multi-physics simulation of void evolution in thermoset prepreg UD laminates	Briard Anne-Lise - Institut Clément Ader (France)
11:50	Refined porous ceramic manufacturing using active learning	Gopale Gowda Jnanesh - École des Mines de Saint-Étienne (France)
12:10	A physical approach to the modeling of hygrothermal transfers in bio-based building materials	Daunais Nicolas - Laboratoire Navier (France)
Session parallèle 8	<i>Écoulements multiphasiques en milieux poreux III</i> <i>Multiphase flows in porous media III</i>	
11:30	Modeling and simulation of ocean-groundwater interactions through the beach: a Navier-Stokes and Richards equations coupling	Bonnet Tony - Institut de Mécanique et d'Ingénierie (France)
11:50	Advantages of physics neural networks for modeling seawater intrusion in coastal aquifers	Mansouri Bajgiran Maryam - Institut Terre Environnement Strasbourg (France)
12:10	Modeling groundwater flow in unconfined aquifers with physics-informed neural networks: inverse modeling	Asghari Meinagh Parisa - Institut Terre Environnement Strasbourg (France)

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Session parallèle 9	<i>Transport réactif III</i> <i>Reactive transport III</i>	
14:45	Reactive percolation in ultramafic rocks: impacts of permeability and pore structure on hydrogen generation	Obin Thomas - Institut des Sciences de la Terre d'Orléans (France)
15:05	Controls of double-porosity interconnectivity on dissolution of carbonate rocks	Briolet Théo - Laboratoire de géologie de l'ENS (France)
15:25	Experimental investigation of salt precipitation in rock samples for hydrogen storage applications	Kalyoncu Gülce - PProGress/UGCT, Department of Geology, Ghent University (Belgique)
15:45	Scallop formation due to dissolution-driven convection	Hurtis Radoslav - Department of Applied Mathematics and Statistics, Comenius University, Bratislava, Slovakia
Session parallèle 9	<i>Milieux poreux biologiques II</i> <i>Biological porous media II</i>	
14:45	Porous media modeling of macromolecule diffusivity in the intracellular volume	Chabanon Morgan - Laboratoire d'Énergétique Moléculaire et Macroscopique, Combustion (France)
15:05	Multi-scale characterisation of the porosity in pretreated lignocellulosic biomass	Goc Firat - IFP Energies nouvelles (France)
15:25	Mesofauna activity and soil pore space dynamics: temporal analysis using x-ray microtomography	Cazaurang Simon - Environnement Méditerranéen et Modélisation des Agro-Hydrosystèmes (France)
Session parallèle 9	<i>Couplages multiphysiques en milieux poreux III</i> <i>Multiphysics couplings in porous media III</i>	
14:45	Conduction-radiation coupling: Characterisation of the effective thermal properties of geopolymers	Fortunat Adjovi Alexandra - IMT École nationale supérieure des Mines d'Albi-Carmaux (France)
15:05	Moisture behavior in textiles: a dynamic NMR study	Gerony Floriane - Laboratoire Navier (France)
15:25	Averaging random conduit networks, influence of conductivity randomness	Colecchio Iván - IFP Energies nouvelles (France)
15:45	Dynamic Displacement of Wetting Fluids by Non-Wetting Fluids in Geological Fractures: an Analog Experiment	Yves Meheust - Université de Rennes, CNRS, Géosciences Rennes (France)

Posters

Experimental Study of Tidal Oscillatory Flows on a Partially Saturated 1D Porous Column	Alastal khalil - Institut de mécanique des fluides de Toulouse (IMFT) (France)
Gas Adsorption Characterization of Biochar: Surface Area, Pore Distribution, and Sorption Energy	Amoury Bilal - Microtrac Formulation SAS (France)
Experimental Characterization of Foam Flow and Gas Trapping in Porous Media	Baigadilov Adil - Bureau de Recherches Géologiques et Minières (France)
Optimizing Surfactant Foam Formulations for Enhanced (Bio)Remediation of Petroleum-Contaminated Soil	Baimaganbetova Sholpan - BRGM, Orléans (France)
Semi-analytical solution for flow with time-varying viscosity in fractured porous media	Belfort Benjamin - Institut Terre Environnement Strasbourg (France)
Assessment of Groundwater Vulnerability to Leachate Contamination Using Hydrodynamic and Geochemical Indicators in Belloua Mountain, Kabylia, Algeria	Benarab Salah - Faculté de technologie, département de génie des procédés de l'environnement, Université de Boumerdès (Algérie)
Experimental Study of Dissolution Patterns resulting from the competition between Forced and Solutal Convection	Berhanu Michael - Laboratoire Matière et Systèmes Complexes (France)
Linking Mineral Reactions with Induced Polarisation: A Microfluidic Study of FeS Formation and Dissolution	Bil Christiaan - Géosciences Rennes (France)
From Anomalous Transport Of Red Blood Cells To O2 Delivery In Vascular Networks	Blons Hugo - Géosciences Rennes (France)
Synthesis and characterization of nickel oxide nanoparticles by the PECHENIN method for Corrosion Protection and Porous Material Reinforcement Applications	Boughrara Saliha - Laboratory of Food Technology Research (LRTA), University of BOUMERDES (Algérie)
A Novel Machine Learning-based Method for Groundwater Modelling involving Aquifer Rainfall Time Response Analysis and Clustering of Groundwater Wells	Breuillard Hugo - Bureau de Recherches Géologiques et Minières (France)
Probing Particle Dynamics Inside Opaque Porous Media Using X-ray Radiography	Carter Adam - PHysicochimie des Electrolytes et Nanosystèmes Interfaciaux (France)
Elastic Properties of Partially Saturated Tournemire Shale at Seismic Frequencies	Chapman Samuel - Laboratoire de Géologie (France)
Euler-Euler Simulations Of Colloidal Transport And Retention At The Pore Scale	Cheikh Nassim - Institut des Sciences de la Terre d'Orléans (France)
Characterization of the porous network and particle density under compression using XCT of a bio-based porous media	Chekai Tinhinane - cerema (France)
Predicting Seismic Response To Fluid Injection Using Machine Learning	Cuvier Arthur - Bureau de Recherches Géologiques et Minières (France)
Assessment of grid resolution for using Poisson-Nernst-Planck equations in reactive transport modeling.	Dackouo Josaphat - BRGM, ISTO (France)
Studying Diffusiophoresis-Driven Colloid Transport in Porous Media Using Microfluidics	Etienne Pauline - Institut des Sciences de la Terre d'Orléans (France)
Simulation Of Reactive Transport Dynamics In Cerebral Microcirculation	Fialkovsky Dimitri - Institut de mécanique des fluides de Toulouse (France)

Posters

Attenuation Measurements In Thermally Cracked Fontainebleau Sandstone: A New Dataset	Flores Guadalupe - Institut des sciences de la terre [Lausanne] (Suisse)
Experimental study of heterogeneous reactive transport in unsaturated flows through 3D porous media	Grenier Valentin - Agence de l'Environnement et de la Maîtrise de l'Énergie (France)
Water transfers in starch-fibers composites	Hbaieb Olfa - Laboratoire Navier (France)
Scalable flow modeling in karstic media through graph simplification	Housni Yousra - IFP Energies nouvelles (France)
Dynamics of Gadolinium Oxide Clogging in Porous Media: Insights from 4D X-ray Microtomography	Iqbal Muqet- - Institut des Sciences de la Terre d'Orléans - UMR7327 (France)
Intrinsic permeability of heterogeneous porous media	Jiao Wenqiao - University of Lausanne / Institute of Earth Sciences (Suisse)
Iterative Coupling Algorithms For Mixed-Dimensionnal Poromechanical Models In Faulted Geological Systems	Jonval Maxime - Inria (France)
Intercooler study using porous media modeling and CFD simulation	Khadidja Boualem - University of Science and Technology of Oran (Algérie)
Streaming Potential Simulation in Variably Saturated Fractured Porous Media	Koohbor Behshad - GeoRessources (France)
Imaging solute transport in 3D printed porous media	Lamblin Marc - Géosciences (Rennes France)
A Versatile Simulator for Multiscale Reactive Transport in Subsurface Environments	Le Trong Emmanuel - Institut des Sciences de la Terre d'Orléans (France)
Direct observation of calcite dissolution with microfluidics and spectral induced polarization. Geochemical and petrophysical modeling	Leroy Philippe – Bureau de Recherches Géologiques et Minières (France)
Multi-Scale Heterogeneities in a Complex Limestone Formation: Imagery and Petrophysical Characterization	Mallet Celine - Institut des Sciences de la Terre d'Orléans (France)
Imaging of solute transport through impermeable inclusions at Darcy scale	Petitjean Clément - Géosciences Rennes (France)
Synthesis and Characterization of Cage-like Mesoporous Silica SBA-16 to Study Cavitation in Confinement	Puibasset Joel - Interfaces, Confinement, Matériaux et Nanostructures (Orléans, France)
Dynamic Displacement of Wetting Fluids by Non-Wetting Fluids in Geological Fractures: an Analog Experiment	Meheust Yves - Géosciences Rennes (France)
Mixing in confined heterogeneous porous media	Sajedi Fateme - Université de Lausanne (Suisse)
X-Ray Based Structural Characterization Of A Ceramic Microfiltration Membrane For LBM Simulations	Moulin Philippe - Aix Marseille Univ, CNRS, Centrale Marseille, M2P2, Marseille (France)
Carbonization Kinetics and Textural Properties of Activated Carbons Derived from the hulls of Lophira lanceolata	Sogbochi Elie - Laboratoire d'Etude et de Recherche en Chimie Appliquée (Bénin)
Experimental study of the impact of groundwater level fluctuations on the mobilization of petroleum hydrocarbons - geophysical strategy	Wade Alassane - Bureau de recherches géologiques et minières (France)



17^e Journées d'Etudes des Milieux Poreux

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