







Program – Tuesday, 26 October

	nyshia totillat		Virtual talks in red		
08:30 +					
20122	Welcome of in-presence participants – Palais Universitaire				
09:00 +	Opening of JEMP2021 by scientific committee (room PASTEUR)				
09:20 +	opouning organic zour by observation committee (which is a				
	Keynote: Rainer HELMIG (room PASTEUR) Numerical models for evaluating the competitive use of the subsurface: the influence of energy storage and production in groundwater				
10:15 +	Coffee break (AULA)				
10:40 +	Collee Deak (AOLA)				
	Keynote: Anne GALARNEAU (room PASTEUR) Design of silica and zeolites monoliths for process intensification in heterogeneous (bio)catalysis and in wastewater treatment				
11:35 +		Short break			
11:45 +	Room PASTEUR	Room 118	Room 119		
	Djibo Soumana Aboubacar Modelling of heat conduction in granular porous media	Chaguer Mouna Development of the integrated hydrological model NIHM: Implementation of transport processes	Guo Juncheng Mechanisms of gas separation through 2D porous graphene membranes : theory and molecular simulations		
12:10 +	Keita Seny Development of quantitative detection methods for mass spectrometry of non-interfering and interfering	Mallya Nithin Topology Optimization of Encapsulated Macro-Porous Phase	Zhang Yijun Photopolymerization of zeolite/polymer based composite and		
12:30 +	gases such as mixtures of H2, He, Ne, O2, Ar, N2, CO2, CH4, C2H6, C3H8, i-C4H10, n-C4H10 and C5H12	Change Materials for Thermal Energy Storage	corresponding application in the fields of 3D printing and gas adsorption		
	LC	JNCH (« Restaurant universitaire GALLIA	»)		
	Coffee Break (« Restaurant universitaire GALLIA »)				
14:00 +	Noetinger Benoit Equivalent hydraulic conductivity, connectivity and percolation in 2D and 3D random binary media	Ferhat Hamida Rabie Investigation of calcium sulfate carbonation processes using geological labs on a chip: experimental and thermo-kinetic modelling approaches	Blosse Sarah Enzymatic degradation of plant biomass : a porous media approach		
14:25 +	Prieto Espinoza Maria Dichloromethane degradation in porous media under dynamic hydrogeological conditions	Mostafa Ahmad Pore-scale hydro-mechanical modeling of gas transport in coal matrix	Berjamin Harold Nonlinear acceleration waves in soft porous media		
14:50 +	Ariskina Kristina Molecular dynamics study of methane diffusion in flexible microporosity of source rock's organic matter	Hajizadeh Javaran Mohammad Reza Application of deep neural networks in predicting natural convection on two dimensional porous media	Assemat Pauline How mechanical strain might modify transport properties of a biological tissue-mimicking porous media; an experimental approach		
15:15 +	Bourel Christophe Modeling of shallow aquifers in interaction with overland water	Stemmelen Didier Swelling of polymeric hydrogels observed by MRI	Barthes Antoine Study of the nanoscopic fluid film involved in the crystallization of water in a porous material by a Non-Local Density Functional Theory framework		
15:35 +	Coffee Break (AULA)				
16:00 +	Conce Dieak (AULA)				
	FIC General Assembly (room PASTEUR)				
17:00 +					
	Posters session & partners' exhibition (AULA)				
18:40 +	Free time				
20:00 +	Cala DINNED				

Gala DINNER (Restaurant L'Ancienne Douane – 6 rue de la douane – Strasbourg)









Program – Wednesday, 27 October

Virtual talks in red

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	Welcome of in-presence participants – Palais Universitaire				
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	Keynote:	Veerle CNUDDE (virtual talk - room P	ASTEUR)		
		Unravelling pore-scale processes in geomaterial			
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09:25 +		Short break			
	Room PASTEUR	Room 118	Room 119		
09:30 +	Bouvet Lisa	Room 110	Recalcati Chiara		
	Towards a pore scale model of snow cover metamorphism under	Licsandru Glad-Calin	Statistical characterization of the micro-scale spatial		
	isothermal conditions	Laboratory controlled NaCl salt crusts	distribution of calcite dissolution rates		
09:55 +	V a ahh an Dahaha d	Mahaali Zaubida	au li		
9.00	Koohbor Behshad Modeling coupled DNAPL migration and complex resistivity	Mghazli Zoubida Mathematical modeling and numerical approximation of the	Stigliano Luca Geostatistical description of calcite surface roughness resulting from		
	evolution in saturated porous media	compressible two-phase flow in a landfill	dissolution at close-to-equilibrium conditions		
10:20 +	· ·		,		
	Mokhtari Omar	Okumko Victor Investigating haloclasty as a potential cause of French Basque	Noiriel Catherine		
	How high-stress elastic filaments control flows of viscoelastic fluids through porous media?	Country Coastline erosion	Evaluation of mineral precipitation into single fractures		
10:40 +	fituas tirough porous metua:	Country Coustine erosion			
	Coffee break (AULA)				
10.55					
10:55 +	Koohbor Behshad	Maiza Safa	Lu Renchao		
	On the use of ERT data for numerical modeling of seawater	Modeling of Evaporative Soil Salinization induced By Salt	Pore-scale modeling of acid etching in a carbonate fracture		
	intrusion in fractured coastal aquifers	Recycling In Irrigated Arid Regions (Tunisia)			
11:20 +	Ahmed Maloum Mohamed El Moustafa	Alamooti Amir	Chekai Tinhinane		
	Characterization of Transport Properties for the Microporous	Analysis of the displacement behavior of DNAPL in	Structural, chemical and hygric characterization of antique Dutch tiles		
	Layer of PEMFC from 3D Tomographic Images	contaminated soils by injecting densified polymer suspension	and their susceptibility to salt damage		
11:45 +	Fontaine Vincent	Mansouri-Boroujeni Mahdi	Ha Quoc Dat		
	Hybridizable interior penalty discontinuous Galerkin methods	The link between corner flows and Haines jumps dynamics during two	Study on the poromechanical behavior of coalbed methane affected by gas		
	for degenerate advection-Diffusion-reaction problems	phase flow in subsurface reservoirs using microfluidics	mixture adsorption in nanopores of complex geometry		
12:10 +	Ahusborde Etienne	Ghiringhelli Elisa	Mannai Aroua		
	Numerical simulation of coupled two-phase flows and geochemical	Experimental study of drying in the presence of fluorescent	Numerical Modeling of Evaporative Salinization and Crystallization-		
12:30 +	reactions in porous media: contribution to a new CO 2 benchmark	colloidal particles in model system	Induced Deformations in Building Stone		
12.30	LUNCII (" Doctourent universitaire CALLIA ")				
	LUNCH (« Restaurant universitaire GALLIA »)				
	Coffee Break (« Restaurant universitaire GALLIA »)				
14:00 +	Donog Court	n. 1.5.	Coulds West		
	Perez Sarah On the estimation of permeability uncertainty due to unresolved	Etangsale Grégory Primal hybridizable discontinuous Galerkin methods for modeling flow in	Sarkis Marilyn Influence of the contact properties on the behavior of		
	pore-scale features	Primal hybridizable discontinuous Galerkin methods for modeling flow in fractured porous media	biocemented sand		
14:25 +	, , , , , , , , , , , , , , , , , , ,				
14'20	Tinet Anne-Julie Comparison of morphological and effective properties of 3D	Hoteit Hussein	Fernandes Bruno		
	reconstructed nanoporous medium from 2D FIB-SEM slices	A pressure transient analysis approach to estimate CO2	Microstructure of concrete made with recycled concrete		
14:50 +	, 3	entrapment in fractured reactive formation	aggregates after exposure to elevated temperatures		
14.00	Ryzhikov Andrey	Mezquita Gonzalez Jesus Alberto	Soumane Youness		
	High Pressure Intrusion of Aqueous Salt Solutions in MFI-type	Near surface geophysics to quantify groundwater storage	Clogging of a 2D model porous media by a non brownian suspension		
15:10 +	Zeosil: Influence of Cation Nature	heterogeneity in weathered/fractured hard rock aquifers			
		Coffee Break (AULA)			
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	Keynote: Jan CARMELIET (virtual talk - room PASTEUR)				
	Wetting mechanisms of fibrous materials: from yarn to textile scales				
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16:30 +					
10.50	FIC PhD Prize				
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Awarding (Best PhD poster) Closure of the conference