



Authors' Presentation Guidelines

Oral Presentations

Presentation language

All contributions must be prepared in English and, if possible, presented in English (French language is accepted). The time provided for each presentation is 15 minutes, additional 5 minutes for Q&A, for a total of 20 minutes. The presenters are requested to keep the scheduled presentation time.

Presentation format

Please prepare your presentation preferably using PowerPoint version 2013 or 2016, however older versions are also supported. Screens' aspect ratio will be 16:9. Please note that Apple Keynote and Prezi presentations are not supported and they have to be converted into PDF files. When saving your final presentation do not forget to make sure to include your video files and all links to these multimedia files.

As no presentation template is prepared, you are welcome to use your own.

Speakers' Preview room - Uploading your presentation onsite

Notice that each conference room is equipped with a computer, visual display, audio system, and web camera. On-site speakers must use this equipment because of simultaneous online broadcast.

Please note that your presentation file must be uploaded to the Seafire share space no later than Friday, October 22.

Please note there is no way to use your own computer for the presentation: you will NOT BE ABLE to connect it. All presentations must be uploaded in advance.

Participants with a virtual presentation

During the changeover time between each presentation, the session chair will select your file and give you control over the online platform so that you can take control of your presentation.

Participants with an on-site presentation

When the chair is calling you, you will find easily your file on the computer in the lecture room and you will advance your own slideshow using the remote control. You will be assisted by a technician, who will help you to share the presentation online.

All speakers are requested to be present in the lecture room 5 minutes before the session starts to meet with the chairman of the session.

Please name your file with the last name of the first author (or presenting author), for example “Miller.pdf/” or “Miller.pptx”. In the table below you can find the sessions and rooms as well as the links for uploading your files.

Room	Session n°	Theme	Link to upload your presentation
Pasteur	6	Imaging, digital porous generation	https://seafire.unistra.fr/u/d/129aa0cb3a9d4c40a76f/
	11	Numerical modeling of flows in porous media	
	13	Storage and absorption of mechanical energy in nanoporous materials	
118	5	Parameters identification in porous media	https://seafire.unistra.fr/u/d/109aa027616145e29331/
	10	Fractured porous media (prospecting, production, storage)	
	12	Coupled processes in porous media	
	14	Multiphase - multi-components systems	
119	1	Adsorption and separation by porous materials	https://seafire.unistra.fr/u/d/f5cadb5c36c947e3823b/
	2	Behavior of complex fluids in porous media	
	3	Mechanical, chemical and thermal coupling between fluids and matrix in porous media	
	7	Mechanics of porous media: deformation, failure, damage	
	8	Multiscale fibrous media, nano and micro porous media	
	9	Organic porous media	

List of authors and title of their presentation

First author (or presenting author)	Session	Title
Ahmed Maloum Mohamed El Moustafa	11	Characterization of Transport Properties for the Microporous Layer of PEMFC from 3D Tomographic Images
Ahusborde Etienne	11	Numerical simulation of coupled two-phase flows and geochemical reactions in porous media: contribution to a new CO ₂ benchmark
Alamooti Amir	14	Analysis of the displacement behavior of DNAPL in contaminated soils by injecting densified polymer suspension
Ariskina Kristina	11	Molecular dynamics study of methane diffusion in flexible microporosity of source rock's organic matter
Assemat Paulin	9	How mechanical strain might modify transport properties of a biological tissue-mimicking porous media; an experimental approach
Barthes Antoine	2	Study of the nanoscopic fluid film involved in the crystallization of water in a porous material by a Non-Local Density Functional Theory framework
Berjamin Harold	9	Nonlinear acceleration waves in soft porous media
Blosse Sarah	9	Enzymatic degradation of plant biomass : a porous media approach
Bourel Christophe	11	Modeling of shallow aquifers in interaction with overland water
Bouvet Lisa	11	Towards a pore scale model of snow cover metamorphism under isothermal conditions
Chaguer Mouna	12	Development of the integrated hydrological model NIHM: Implementation of transport processes
Cekai Tinhinane	7	Structural, chemical and hygric characterization of antique Dutch tiles and their susceptibility to salt damage
Djibo Soumana Aboubacar	11	Modelling of heat conduction in granular porous media
Etangsale Grégory	10	Primal hybridizable discontinuous Galerkin methods for modeling flow in fractured porous media
Ferhat Hamida Rabie	12	Investigation of calcium sulfate carbonation processes using geological labs on a chip: experimental and thermo-kinetic modelling approaches
Fernandes Bruno	7	Microstructure of concrete made with recycled concrete aggregates after exposure to elevated temperatures
Fontaine Vincent	11	Hybridizable interior penalty discontinuous Galerkin methods for degenerate advection-diffusion-reaction problems
Ghiringhelli Elisa	14	Experimental study of drying in the presence of fluorescent colloidal particles in model system
Guo Juncheng	1	Mechanisms of gas separation through 2D porous graphene membranes : theory and molecular simulations
Ha Quoc Dat	7	Study on the poromechanical behavior of coalbed methane affected by gas mixture adsorption in nanopores of complex geometry
Hajizadeh Javaran Mohammad Reza	5	Application of deep neural networks in predicting natural convection on two dimensional porous media
Hoteit Hussein	10	A pressure transient analysis approach to estimate CO ₂ entrapment in fractured reactive formation
Keita Seny	11	Development of quantitative detection methods for mass spectrometry of non-interfering and interfering gases such as mixtures of H ₂ , He, Ne, O ₂ , Ar, N ₂ , CO ₂ , CH ₄ , C ₂ H ₆ , C ₃ H ₈ , i-C ₄ H ₁₀ , n-C ₄ H ₁₀ and C ₅ H ₁₂ .
Koohbor Behshad	11	Modeling coupled DNAPL migration and complex resistivity evolution in saturated porous media
Koohbor Behshad	11	On the use of ERT data for numerical modeling of seawater intrusion in fractured coastal aquifers
Licsandru Glad-Calin	12	Laboratory controlled NaCl salt crusts
Lu Renchao	3	Pore-scale modeling of acid etching in a carbonate fracture
Maiza Safa	14	Modeling of Evaporative Soil Salinization induced By Salt Recycling In Irrigated Arid Regions (Tunisia)
Mallya Nithin	12	Topology Optimization of Encapsulated Macro-Porous Phase Change Materials for Thermal Energy Storage
Mannai Aroua	7	Numerical Modeling of Evaporative Salinization and Crystallization-Induced Deformations in Building Stone
Mansouri-Boroujeni Mahdi	14	The link between corner flows and Haines jumps dynamics during two phase flow in subsurface reservoirs using microfluidics
Mezquita Gonzalez Jesus Alberto	10	Near surface geophysics to quantify groundwater storage heterogeneity in weathered/fractured hard rock aquifers
Mghazli Zoubida	12	Mathematical modeling and numerical approximation of the compressible two-phase flow in a landfill
Mokhtari Omar	11	How high-stress elastic filaments control flows of viscoelastic fluids through porous media?



List of authors and title of their presentation

First author (or presenting author)	Session	Title
Mostafa Ahmad	12	Pore-scale hydro-mechanical modeling of gas transport in coal matrix
Mozhdehei Armin	12	Investigation of Pore-size Controlled and Capillary-Controlled Geochemistry in Model Pore Systems
Noetinger Benoit	11	Equivalent hydraulic conductivity, connectivity and percolation in 2D and 3D random binary media.
Noiriel Catherine	3	Evaluation of mineral precipitation into single fractures
Okumko Victor	12	Investigating haloclasty as a potential cause of French Basque Country Coastline erosion
Perez Sarah	6	On the estimation of permeability uncertainty due to unresolved pore-scale features
Prieto Espinoza Maria	11	Dichloromethane degradation in porous media under dynamic hydrogeological conditions
Recalcati Chiara	3	Statistical characterization of the micro-scale spatial distribution of calcite dissolution rates
Ryzhikov Andrey	13	High Pressure Intrusion of Aqueous Salt Solutions in MFI-type Zeosil: Influence of Cation Nature
Sarkis Marilyn	7	Influence of the contact properties on the behavior of biocemented sand
Soumane Youness	8	Clogging of a 2D model porous media by a non brownian suspension
Stemmelen Didier	12	Swelling of polymeric hydrogels observed by MRI
Stigliano Luca	3	Geostatistical description of calcite surface roughness resulting from dissolution at close-to-equilibrium conditions
Tinet Anne-Julie	6	Comparison of morphological and effective properties of 3D reconstructed nanoporous medium from 2D FIB-SEM slices
Zhang Yijun	1	Photopolymerization of zeolite/polymer based composite and corresponding application in the fields of 3D printing and gas adsorption



Poster Presentations

General information

We recommend to write the posters in English; of course, they can be presented in French.

The maximum poster dimensions are 90cm width and 120cm height.

All the authors must upload their poster in one single page PDF format, with a file size not more than 5MB, on the following Seafile share space no later than **Friday, October 22:**

<https://seafile.unistra.fr/u/d/59acf8f41ccf464681b2/>

Please name your file with the last name of the first author, for example
“Miller_posterJEMP2021.pdf”.

The conference program will include a table with specific links to the posters allowing to download each poster by the participants.

For in presence authors

Each poster board (metal grid) will have a specific number. Please make sure to mount your poster on the poster board with the number corresponding to the number assigned to your poster presentation.

The poster area will be located on the ground floor of the Palais Universitaire called Aula.

Authors are kindly requested to be present (in Aula open space or in the online platform) nearby the posters during the indicated session time to address any questions from the audience.

In order to fit the poster board, your poster must not exceed the recommended size. Prepare your material beforehand so that it will fit the space available and can be easily attached to the board. The organizers will provide suitable fixing materials, and onsite assistance will be available to help you to display your poster.

Your poster can be mounted starting from Tuesday morning.

Posters should be removed before your departure and on Wednesday, 27 October, 17:00 at the latest. If not removed by the author, the poster will be removed and trashed by the organizers.

For online authors

We recommend that authors provide the organizing committee (jemp2021@unistra.fr) with an email address and possibly a link to a virtual conference platform of their choice (zoom, BBB, ...) in order to be able to exchange during the time allocated for the poster session. All this information will be provided in the program. Please do not forget to specify ID and password so that participants will be able to join you.

List of authors and title of their poster

First author (or presenting author)	Session	Title
Alonso Llanes Lacié	11	Sink vs. tilt penetration into shaken dry granular matter: the role of foundation
André Guillaume	8	Microporous insulation behaviour under pressure
Astafan Amir	13	High pressure intrusion of non-wetting liquid in hydrophobic Zeolitic Imidazolate Frameworks for mechanical energy storage/absorption
Ben Elhadj Hamida Syrine	5	Chemo-mechanical effects of salt crystallization in 3D porous media: dynamic studies by X-ray tomography
Benaouag Nadia	11	Une analyse critique des modèles à deux paramètres pour décrire le transport de soluté en milieu poreux : simulations et exemples expérimentaux
Cazaurang Simon	11	Application of porous media study techniques on natural samples from Western Siberian Lowlands
Cochennec Maxime	14	Impact of gravity and inertia in DNAPL spatialization: experimental and numerical studies of stable displacements at laboratory scale
Daout Cyril	5	Identification of the intrinsic optical indexes of fibrous media at high temperature using numerical simulation and infrared spectroscopy
Douguet Orlane	8	Relationship between protection requirements and textile structure and material
Falah Fatima Zahra	7	Treatment of warts with clay
Gaukhar Akhmetova	11	Hydrodynamic modelling of geothermal reservoir around Site U1517
Geremia Davide	7	Influence of the water table oscillation on the mechanical and petrophysical properties of chalk
Graur Irina	4	Gas flows in microporous media
Hadjam Ouahiba	11	Rheological modelling of the flowability of aerated fine powders
Ibrahim Perla Gulbeyaz	11	Coupling Navier-stokes, Brinkman and Darcy equations for modelling pollutant transfer at the sediment-water interface in rivers
Keita Emmanuel	2	Capillary imbibition in particle-bed 3D printing
Khaldouni Youssef	3	Multiple-porosity model based on density functional theory and poromechanics.
Latour Gillien	11	3D finite volume simulation of flow and passive transport within a real watershed
Leroy Etienne	7	Faulting in volcanoclastic rocks: architecture, deformation mechanisms, structural diagenesis and petrological properties
Moreno Adel	9	Homogénéisation séquentielle par méthode "grid-block" de milieux poreux hétérogènes : application à l'ostéosarcome
Niang Malick	14	Déplacements diphasiques de liquides organiques en milieux poreux - suivi et analyse par micromodèles
Orgogozo Laurent	11	Applying high performance computing techniques to the simulation of heat and water transfers within permafrost
Pillardou Nicolas	11	High performance numerical simulation of Thermo-Hydro-Chemical processes in porous media
Quenjel El Houssaine	11	Computation of macroscopic properties for 3D real bio-sourced morphologies
Raies Ines	2	Identification and understanding of colloidal destabilization mechanisms in geothermal processes
Rajaonison Nalitia	11	The class of weighted interior penalty discontinuous Galerkin methods for groundwater flow models
Toussaint Renaud	14	Coupling between compaction and pressurization during shear waves in drained granular layers: implications for soil liquefaction