Mini-symposium: Numerical Simulations of Porous Media Flows

(By El-Houssaine Quenjel)
Thursday Morning

Time	Speaker and title
11:00 - 11:25	**Mohamed Laaziri** VEM–Nitsche fully discrete polytopal scheme for mixed-dimensional poromechanical models with Coulomb frictional contact at matrix-fracture interfaces.
11:25 - 11:50	**Mohamed-Amine Hamadi** An improved Newton approach for solving nonlinear systems arising in porous media flows.
11:50 - 12:15	**Mayssam Mohamad** Energy Estimates of a Thermo-Hydro-Mechanical Model for a Single-Phase Compressible Gas Flow.
12:15 - 12:40	**Youssef Zahraoui** Convergence of a CVFE finite volume scheme for a non-isothermal incompressible two-phase flow in porous media.
12:40 - 13:05	**Hamidi Sadiq** A fully implicit non-linear finite volume scheme for single flow reactive transport in porous media.
13:05 - 13:30	**El-Houssaine Quenjel** Efficient prediction of the macroscopic permeability matrix of 3D hygroscopic media.