## La-P011

## Room: Poster

## Progress of water/rock interaction in the crust - reaction rate, fluid flow and diffusion-

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Deformation and pulverization promote rock alteration, which results in changes in physical properties of rocks such as friction rate and strength. Therefore, studies on water-rock interaction of fault rocks are important to understand the physical properties of faults. Reaction rates and mass transfer rates including fluid flow and diffusion controls the progress of water-rock interaction. The basic process governing the water-rock interaction in the seismogenic zones are discussed based on a simplified model calculation.

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