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# Induced Seismicity

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## Abstract

One of the principal drags of the geothermal technologies is the slip reactivation in seismic faults or fractures. Stimulation processes used to improve permeability can induce seismic or aseismic slips which can lead to micro-seismic activity. Studying and understanding the triggering mechanisms of slips in faults could make it possible to mitigate micro-seismicity. Both challenging and interesting, induced seismicity remains an important research field for all the geo-energy applications and constructions around the world. In this mini-symposium, we want to focus on the physics of induced seismicity through the influent factors and triggering mechanisms of micro-macro earthquakes. Lots of methods, models and experiments have been developed to reproduce or prevent seismicity. We invite papers from theoretical, experimental and numerical fields to share findings related to this topic.

**Keywords:** induced seismicity, seismic and aseismic slip, stimulation processes, rock fracture

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