

My name is Yihe Huang and I'm an Associate Professor at the University of Michigan.

My group studies the physical mechanisms of earthquakes and faulting processes using both observational methods (e.g., seismic data analysis) and numerical tools (e.g., earthquake rupture simulation).

We're particularly interested in how fluid, fault zone structure and fault geometry can affect the nucleation, propagation and arrest of earthquakes and how earthquakes contribute to the strain budget and structural evolution of fault zones and plate boundaries.

We also have a broad interest in developing physical tools for seismic hazard mitigation and bridging earthquake science and engineering applications.

