**9:00 am**

**Dr. Sanghyun Lee**

**Phase Field Fracture Propagation for Subsurface Applications”**

Phase field, complex physics

A lot of refinement aroud the fractures, still the geometry is greater than reality

Enriched Galerking to stabilize oscillations in Terzaghi

Non planar fractures

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**9:30 am**

**Dr. Mary Wheeler**

**Modeling Frac-Hits by Employing Reservoir Geomechanics and Phase Field Finite Element Simulations**

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