

1. Grundlagen und experimentelle Felsmechanik

- **Tensile Strength Characterization of Stimulated Ultramafic Rocks with Implications for Geologic Hydrogen** — DOI: 10.56952/ARMA-2026-0125
- **Characterization of Mowry Shale Failure Modes after Fluid Exposure** — DOI: 10.56952/ARMA-2026-0093
- **Mechanistic Modeling of Stress Corrosion Cracking in Quartz-Bearing Shale** — DOI: 10.56952/ARMA-2026-0429
- **Geomechanical Model to Decode a Time-Dependent Failure in Shale Formations** — DOI: 10.56952/ARMA-2026-0178
- **Experimental Investigation of Stress Shadow around Propagating Fluid-Driven Fractures** — DOI: 10.56952/ARMA-2026-0527
- **Fluid-Driven Fracture: Recent Results** — DOI: 10.56952/ARMA-2026-0778
- **Effect of Pre-Existing Stress Field on the Full-Field Thermo-Mechanical Response of Jalore Granite** — DOI: 10.56952/ARMA-2026-0208
- **Characterization of Thermal Volumetric Response of Dense Bentonite under Elevated Temperatures** — DOI: 10.56952/ARMA-2026-0486
- **Experimental Investigation of Rock-Breaking Efficiency of Impact Drilling in Deep Shale under Temperature–Pressure Conditions** — DOI: 10.56952/ARMA-2026-0320
- **Mechanical Anisotropy of Shale Oil Reservoir Rocks** — DOI: 10.56952/ARMA-2026-0065
- **Experimental Investigation of Stress-Dependent Permeability in Propped Shale Fractures** — DOI: 10.56952/ARMA-2026-0059

2. Kristallines Gestein, ultramafische Gesteine und Granite

- **Geomechanical Calibration of Peridotites for Modeling Stimulation of Geologic Hydrogen Production** — DOI: 10.56952/ARMA-2026-0636
- **Strength and Microstructural Evolution of Ultramafic Rocks during CO₂ Mineralization** — DOI: 10.56952/ARMA-2026-0662
- **Poromechanical Measurements of Basalt and Mineralogical Evolution during CO₂ Mineralization** — DOI: 10.56952/ARMA-2026-0648
- **In Situ Shearing Experiments Reveal How Fractures Enhance and Sustain Carbon Mineralization in Altered Peridotite** — DOI: 10.56952/ARMA-2026-0720
- **Hydraulic Fracturing in Granite Subjected to Thermally Induced Microcracking** — DOI: 10.56952/ARMA-2026-0401
- **Hydro-Grain-Texture Model: A Novel Meso-Scale Hydraulic Fracturing Model for Crystalline Rock** — DOI: 10.56952/ARMA-2026-0146
- **Geomechanical Simulation of Basement Rock to Predict the Brittle-Ductile Transition for Deep Geothermal Projects** — DOI: 10.56952/ARMA-2026-0501
- **Temperature Dependence of the Poroelastic Properties of Utah FORGE Granitoids** — DOI: 10.56952/ARMA-2026-0343
- **Experimental Study of Temporary Plugging and Diversion Fracturing in Naturally Fractured Hot Dry Rock** — DOI: 10.56952/ARMA-2026-0107

Diese Abstracts sind besonders relevant für Prozesse im Kristallin: Rissbildung, hydraulische Stimulation, Mineralisierung, Porenelastizität, thermische Mikrorissbildung und der spröde-duktilen Übergang.
(60th_Rock_Mech_symp, 2026)(p1)

3. Klüfte, Brüche und hydraulische Stimulation

- **The Role of Natural Fractures in Reservoir Response to Stimulation: Coupled Modeling of Utah FORGE** — DOI: 10.56952/ARMA-2026-0347

- **Characterization of Natural Fracture Networks in Shale Reservoirs** — DOI: 10.56952/ARMA-2026-0044
- **Mechanisms of Hydraulic Fracture Propagation in Layered Shale Reservoirs** — DOI: 10.56952/ARMA-2026-0310
- **Research on the Interlayer Propagation Law of Hydraulic Fractures in Layered Shale Reservoirs** — DOI: 10.56952/ARMA-2026-0351
- **Mechanisms of Fracture Height Propagation in Shale Laminations** — DOI: 10.56952/ARMA-2026-0376
- **A Phase-Field Model for Three-Dimensional Hydraulic Fractures in Poroelastic Media** — DOI: 10.56952/ARMA-2026-0287
- **Development of a True-3D Numerical Model for Fluid-Driven Fracture Initiation from Perforated Wells** — DOI: 10.56952/ARMA-2026-0646
- **Poroelastic Effects in the Steady-State Propagation of a Semi-Infinite Hydraulic Fracture** — DOI: 10.56952/ARMA-2026-0405
- **Microseismic Network Analysis Reveals Stress Transmission Pathways during Hydraulic Stimulation** — DOI: 10.56952/ARMA-2026-0512
- **Experimental Investigation of Natural and Ceramic Proppant Breakage and Its Implications for Fracture Conductivity Evolution in Enhanced Geothermal Systems** — DOI: 10.56952/ARMA-2026-0118
- **The Creep of Rock-Proppant Systems during the Operation of Enhanced Geothermal Systems** — DOI: 10.56952/ARMA-2026-0508

Die Beiträge untersuchen die Entstehung, Ausbreitung, Schließung und Reaktivierung von Rissen und Klüften sowie deren Einfluss auf die hydraulischen und mechanischen Eigenschaften des Festgesteins. (60th_Rock_Mech_symp, 2026)(p1)

4. Thermo-hydro-mechanische Prozesse im Festgestein

- **THMC Modeling of Mechanical and Hydraulic Property Evolution Driven by Geochemical Reactions in Utah FORGE EGS Reservoir** — DOI: 10.56952/ARMA-2026-0637
- **Coupled Fluid-Flow and Geomechanics Modeling for Enhanced Geothermal Systems** — DOI: 10.56952/ARMA-2026-0164
- **Coupled Chemo-Thermo-Hydro-Mechanical Modeling: Mechanical Weakening and Stiffening Induced by Rock-Fluid Chemical Reactions** — DOI: 10.56952/ARMA-2026-0584
- **Simulating Thermal Short-Circuiting in EGS: A Coupled Thermo-Hydro-Mechanical-Wellbore Approach** — DOI: 10.56952/ARMA-2026-0598
- **Thermo-Hydro-Mechanical Modeling of Induced Fracture Propagation in Complex Carbonate Reservoirs** — DOI: 10.56952/ARMA-2026-0313
- **Periodic Flow-Direction Reversal in Enhanced Geothermal Systems: Effects on Cold-Front Evolution and Heat Sweep** — DOI: 10.56952/ARMA-2026-0713
- **Mitigating Induced Seismicity in Enhanced Geothermal Systems** — DOI: 10.56952/ARMA-2026-0542
- **Stress Evolution during Enhanced Geothermal System Development at the Cape Modern and Utah FORGE Fields** — DOI: 10.56952/ARMA-2026-0420

Hier stehen gekoppelte thermische, hydraulische, mechanische und teilweise chemische Prozesse in geklüfteten oder kristallinen Gesteinsformationen im Mittelpunkt. (60th_Rock_Mech_symp, 2026)(p1)

5. Spannungen, Bruch und geomechanische Stabilität

- **A Novel FEM Approach to Evaluate In-Situ Stresses in a Growth Fault System** — DOI: 10.56952/ARMA-2026-0038

- **Numerical Simulation of Coupled In-Situ Stress and Fluid Flow with Applications in Reservoir Development** — DOI: 10.56952/ARMA-2026-0019
- **The Influence of Stress Unloading in Near-Wellbore Formations on Wellbore Stability** — DOI: 10.56952/ARMA-2026-0219
- **Selection of Failure Criteria for Predicting Rupture of Clay-Rich Faults in Geologic CO₂ Sequestration** — DOI: 10.56952/ARMA-2026-0743
- **Laboratory Investigation of Fault Reactivation under CO₂ Injection-Induced Seismicity** — DOI: 10.56952/ARMA-2026-0207
- **Evaluation of Fault Slip Induced by CO₂ Injection in Subsurface Formations** — DOI: 10.56952/ARMA-2026-0231
- **Subsurface Geomechanical Response to CO₂ Sequestration in a Depleted Gas Reservoir** — DOI: 10.56952/ARMA-2026-0054
- **Thermo-Hydro-Mechanical Modeling of Creep Phase of Landslides** — DOI: 10.56952/ARMA-2026-0240