

Utah FORGE 2023 Annual Workshop Schedule

Thursday, September 7, 2023

8-9am	Robert Coon	PetroQuip 1-2409 - Zonal Isolation for Geothermal Wells	STAT: Robert Estes, Fred Dupriest, George King
9-10am	Yosafat Esquitin	Welltec 1-2410 - Development of a Smart Completion & Stimulation Solution	STAT: Robert Estes, Fred Dupriest, George King
10-11am	William Fleckenstein	CSM 1-2551 - Development of Multi-Stage Fracturing System and Well Tractor to Enable Zonal Isolation During Stimulation and EGS Operations in Horizontal Wellbores	STAT: Robert Estes, Fred Dupriest, George King
11-12pm	Matteo Cusini	LLNL 2-2446 - Closing the Loop Between In situ Stress Complexity and EGS Fracture Complexity	STAT: Mark McClure, Thomas Doe
12-1pm		LUNCH BREAK	
1-2pm	Mark Kelley	Battelle 2-2439 - A Multi-Component Approach to Characterizing In-Situ Stress at the U.S. DOE FORGE EGS Site: Laboratory, Modeling and Field Measurement	STAT: Mark McClure, Thomas Doe
2-3pm	Ahmad Ghassemi	Oklahoma U 2-2404 - Application of Advanced Techniques for Determination of Reservoir-Scale Stress State at FORGE	STAT: Mark McClure, Thomas Doe
3-4pm	Mukul Sharma	UT Austin 4-2492 - Design and Implementation of Innovative Stimulation Treatments to Maximize Energy Recovery Efficiency at the Utah FORGE Site	STAT: Herb Wang, Carl Montgomery, Greg Mines
4-5pm	Jack Norbeck	Fervo 4-2541 - Optimization of a plug and perf stimulation treatment design at Utah FORGE	STAT: Greg Mines Carl Montgomery

Friday September 8, 2023

8-9am *Note: schedule change	Roland Horne	Stanford 3-2418 - Wellbore fracture imaging using inflow detection measurements	STAT: Eric Sonnenthal, BM Kennedy
9-10am	David Alumbaugh	LBNL 3-2535 - Joint Electromagnetic/Seismic/InSAR Imaging of Spatial-Temporal Fracture Growth and Estimation of Physical Fracture Properties During EGS Resource Development	STAT: Julie Shemeta, Herb Wang
10-11am	Lawrence Murdoch	Clemson 3-2514 - A Strain Sensing Array to Characterize Deformation at the FORGE Site	STAT: Karen Olson, David Eaton
11-12pm *Note schedule change	Jonathan Ajo-Franklin	Rice U 3-2417 - Fiber Optic Geophysical Monitoring of Reservoir Evolution	STAT: Julie Shemeta, Carl Montgomery
12-1pm	Kayla Kroll	LLNL 5-2428 - Coupled Investigation of Fracture Permeability Impact on Reservoir Stress and Seismic Slip Behavior	STAT: Julie Shemeta, Carl Montgomery
1-2pm	Derek Elsworth	PSU 5-2419 - Seismicity-Permeability Relationships Probed via Nonlinear Acoustic Imaging	STAT: Karen Olson, David Eaton

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2-3pm	Ahmad Ghassemi	Oklahoma U 5-2615 - Thermo-poromechanical response of fractured rock for application to Utah FORGE	STAT: Julie Shemeta, BM Kennedy
3-4pm	Laura Pyrak-Nolte	Purdue 5-2557 - Fracture mechanics and coupled THMC processes in EGS	STAT: BM Kennedy, Eric Sonnenthal
4-5pm	David Lockner	USGS 5-2565 - Evolution of Permeability and Strength Recovery of Shear Fractures Under Hydrothermal Conditions	STAT: Herb Wang, David Eaton