SALO Lab at AGU26

AGU Annual Meeting · San Francisco · 7–11 December 2026

Moscone Center. All times local (PST). First author is the presenting author.

Monday, 7 December

14:15–17:45
16:35–16:40
Poster + eLightning

Learning and Inferring Multiphase Flow Dynamics in Porous Media using Scientific Machine Learning: Application to the "FluidFlower" CO_2 Injection Experiment

Hannah Lu, Lluís Saló-Salgado, Yun-Ting Chou, Ehsan Haghighat, Ruben Juanes

Session: H14G (abstract H14G-05)
Location: Poster Hall (Hall ABC), Moscone South (14:15–17:45); Room 2, Moscone South (16:35–16:40)

Tuesday, 8 December

10:30–10:41
Oral

Faults in Siliciclastic Settings: From Permeability Structure to Reactivation (invited)

Lluís Saló-Salgado, Hannah Lu, Andreas Plesch, John H. Shaw, Ruben Juanes

Session: H22E (abstract H22E-01)
Location: Room 3014, Moscone West

11:03–11:14
Oral

FracNet: AI-Based Probabilistic Prediction of Flow and Particle Transport in Dense Fracture Networks

Angela Liu, Lluís Saló-Salgado, Hannah Lu, Ruben Juanes

Session: H22A (abstract H22A-04)
Location: Room 3002, Moscone West

14:15–17:45
Poster

3D Multiphase Flow–Geomechanics Assessment of the 2024 Southern San Joaquin Valley Earthquake Sequence, California

Levent Taylan Ozgur Yildirim, Lluís Saló-Salgado, Robert Welch, Andreas Plesch, John H. Shaw, Ruben Juanes

Session: H23L (abstract H23L-1603)
Location: Poster Hall (Hall ABC), Moscone South

14:15–17:45
Poster

End-to-End Uncertainty Quantification of Geologic CO_2 Storage in Faulted Reservoirs

Shaowen Mao, Lluís Saló-Salgado, Hannah Lu, Patricia Ascanio-Pellon, Christie Rogers, Nathan Harkins, Rodrick D. Myers, Lisa Lun, Ruben Juanes

Session: H23L (abstract H23L-1613)
Location: Poster Hall (Hall ABC), Moscone South

14:26–14:37
Oral

Constraining fault-permeability predictors with process-based stochastic modeling of fault architecture

Rubén Vidal-Montes, Lluís Saló-Salgado, Shaowen Mao, Rodrick D. Myers, Christie Rogers, Lisa Lun, Ruben Juanes

Session: H23C (abstract H23C-02)
Location: Room 3014, Moscone West