

POSTCONVENTION WORKSHOP

W-11: Rock Physics Challenges for Carbon Sequestration and Geothermal Energy

George R. Brown Convention Center, Room 370

Start	Stop	Presentation	Speaker	Affiliation
8:30 AM	8:50 AM	Introduction and Workshop Objectives	Workshop Chairs	
8:50 AM	9:15 AM	Rock-physical and poromechanical challenges of fluid-induced seismicity in geothermal and CCS projects	Serge Shapiro	Freie Universitat Berlin
9:15 AM	9:40 AM	From monitoring to Enhanced CO2 Injection: A Rock Physics Based Approach	Julian Yao	University of Houston
9:40 AM	10:05 AM	Influence of CO2 phase on wave speeds and attenuation: Laboratory investigations from artificial porous media to real rocks	Doug Schmitt	Purdue University
10:05 AM	10:30 AM	Rock Physics Considerations for Seismic Forward Modeling to Map and Quantify CO2 in the Subsurface	Manika Prasad, Jyoti Behl	Colorado School of Mines
10:30 AM	10:55 AM	Predicting the time-evolution of CO2 saturation through a combination of rock physics and full waveform inversion	Qi Hu, Dario Grana, Kris In	University of Wyoming
10:55 AM	11:20 AM	Petrophysical forward modeling of CO2, water, and hydrogen related to energy transition projects	Alan Mur and William Ha	Ilkon Science, University of Pittsburgh
11:20 AM	11:45 AM	Exploring hydraulic connectivity of fracture networks with fibre-optic sensing with application to geothermal energy	Matt Becker	California State University Long Beach
11:45 AM	12:00 PM	Closing Remarks	Workshop Chairs	University of Houston, Curtin University and BP