

2022 SEP Affiliates Meeting

May 9 - 12, 2022

Stanford Sierra Conference Center

130 Fallen Leaf Rd., Fallen Leaf, CA 96150

Meeting Agenda

MONDAY, AFTERNOON: MAY 9, 2022

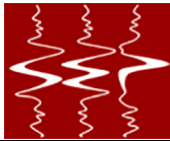
3:00-6:00pm	<i>Check-In/Registration, Main Lodge</i>
6:00-7:30pm	<i>Dinner, Main Dining Room</i>
7:30-9:30pm	<i>Ice Breaker, Angora Room</i>

TUESDAY MORNING: MAY 10, 2022

7:00-8:00am	<i>Breakfast, Dining Room</i>		
General Meeting, Cathedral Room			
Time	Presenter	Title	Report/Page#
8:00-8:15am	Biondo Biondi	Welcome & Introduction	
8:15-8:55am	Guillaume Barnier	FWIME: summary and limitations	
8:55-9:30am	Júlio Oliva Frigério	3-D Tomographic waveform inversion (TWI) applied to real data	
9:30-10:00am	« AM Break »		
10:00-10:40am	Guillaume Barnier	FWIME: a 3D field-data application	
10:40-11:10am	Rustam Akhmadiev	One-way extended full-waveform inversion (eFWI) in the frequency-domain	
11:10-11:50am	Rahul Sarkar	Acoustic waveform inversion with the Lippmann-Schwinger equation constraint	

TUESDAY AFTERNOON: MAY 10, 2022

11:50-1:00pm	<i>Lunch</i>		
1:00-1:55pm	Steering Committee Meeting		
General Meeting, Cathedral Room			
Time	Presenter	Title	Report/Page#
2:00-2:25pm	Milad Bader	Moment tensor inversion of perforation shots using distributed acoustic sensing	
2:25-2:45pm	Jonathan Voyles	Vertical Seismic Profile (VSP) Processing using Distributed Acoustic Sensing (DAS) Data from Onshore Japan	
2:45-3:10pm	Milad Bader	Elastic full-waveform inversion in pre-stimulated unconventional reservoir using distributed acoustic sensing	
3:10-3:40pm	« PM Break »		
3:40-4:10pm	Siyuan Yuan	Improved Deep Deconvolution Auto-Encoder for traffic analyses with DAS	
4:10-4:25pm	Bob Clapp	Reproducibility with containers	
4:25-4:35pm	Guillaume Barnier	Reproducibility example: FWIME	
6:00-7:30pm	<i>Dinner, Main Dining Room</i>		



STANFORD EXPLORATION PROJECT

WEDNESDAY MORNING: MAY 11, 2022

7:00-8:00am	<i>Breakfast, Main Dining Room</i>		
General Meeting, Cathedral Room			
Time	Presenter	Title	Report/Page#
8:00-8:30am	Stuart Farris	Ensemble regression for velocity model building with convolutional neural networks	
8:30-8:55am	Paige Given	Automatic Distributed Acoustic Sensing (DAS) Seismic Event Detection through Convolutional Neural Networks: Microseismic Event Evolution Over Time	
8:55-9:25am	Su Jiang	Use of Multifidelity Data and Transfer Learning for Efficient Construction of Subsurface Flow Surrogate Models	
9:25-9:55am	« AM Break »		
9:55-10:20am	Min Jun Park	Realistic synthetic data generation using Neural Style Transfer: Application to automatic fault interpretation	
10:20-10:40am	Joe Stitt	Adversarial Regularizers for Seismic Inversion Applications	
10:40-11:05am	Bob Clapp	Going to the cloud	
11:05-11:30am	Sergey Klevtsov	GEOS-X	
11:30-11:50am	Bob Clapp	Generating synthetic models for machine learning	
11:50-12:10pm	Stuart Farris	Procedural textures for synthetic, three-dimensional salt models	
WEDNESDAY AFTERNOON: MAY 11, 2022			
12:10-1:30pm	<i>Lunch, Main Dining Room</i>		
1:30-2:30pm	General Business Meeting		
2:30-3:00pm	« PM Break »		
3:00-6:00pm	« OPEN »		

THURSDAY MORNING: MAY 12, 2022

7:00-8:00am	<i>Breakfast, Main Dining Room</i>		
7:00-10:00am	<i>Check-out time (MUST CHECK OUT BY 10:00am); take-out lunch available in dining room</i>		
Special Presentations, Cathedral Room			
Time	Presenter	Title	
8:30-9:05am	Mauricio Araya (Total Energies)	TBD	
9:05-9:40am	Nizar Chemingui (PGS)	TBD	
9:40-10:20am	Scott Keating (Univ. of Calgary-SEP)	TBD	
10:20-12:00pm	« OPEN »		
12:00pm	<i>Take-Out Lunch, Main Dining Room</i>		
1:00pm	End of Conference		