

SEG 2019 Oral Presentations/Posters

A case study: Enhanced 3D interpolation combined with 3D structural modeling from 2D seismic data

Taejong Kim

Monday, September 16; 3:05 - 3:30 PM - Poster Station 3

Interpolation of regularly sampled prestack seismic data with self-supervised learning

Satyakee Sen

Monday, September 16; 3:55 - 4:20 PM, Room - 214D

Resolving Celtic Sea imaging anomalies through a multistage FWI and tomography workflow

Yang He

Monday, September 16; 4:45 - 5:10 PM – Room 302B

A robust workflow for performing joint impedance inversion with applications from North American Basins

Satinder Chopra

Tuesday, September 17; 9:20 - 9:45 AM - Poster Station 1

A practical least-squares Kirchhoff Q migration workflow and its application to Celtic Sea imaging

Cheng Cheng

Tuesday, September 17; 8:55 - 9:20 AM – Room 214C

WEMVA based on source to image point offsets

Mark Roberts

Tuesday, September 17; 9:45 - 10:10 AM– Room 217B

FWI salt model update trials with sparse nodes

Yi Huang

Tuesday, September 17; 9:45 - 10:10 AM – Room 302B

SaltSeg: A β -variational autoencoder constrained encoder-decoder architecture for accurate geologic interpretation

Satyakee Sen

Tuesday, September 17; 10:35 - 11:00 AM - Poster Station 2

Impact of adequate QC steps on seismic reservoir characterization

Satinder Chopra

Tuesday, September 17; 1:50 - 2:15 PM - Poster Station 7

Application of image-domain LSRTM for illumination study and optimal survey design

Zhuoquan Yuan

Tuesday, September 17; 2:15 - 2:40 PM - Room 214C

Challenges and uncertainty in the seismic reservoir characterization of Bone Spring and Wolfcamp formations in the Delaware Basin using rock physics

Satinder Chopra

Tuesday, September 17; 2:40 - 3:05 PM, Room 303B

Ground roll removal using adaptive reflection mask function in curvelet domain

Chenhao Yang

Tuesday, September 17; 2:40 - 3:05 PM - Poster Station 12

Replacing conventional brittleness indices determination with new attributes employing true hydrofracturing mechanism

Satinder Chopra

Tuesday, September 17; 3:30 - 3:55 PM - Room 217A

Phase only reflection full-waveform inversion for high resolution model update

Faqi Liu

Tuesday, September 17; 3:30 - 3:55 PM - Room 225B

Shallow land PSDM velocity model building for unconventional plays

Michael Perz

Tuesday, September 17; 3:55 - 4:20 PM - Room 303B

Efforts at effective seismic reservoir characterization of Bone Spring and Wolfcamp formations in the Delaware Basin: A case study

Satinder Chopra

Tuesday, September 17; 4:20 - 4:45 PM - Room 221B

The benefit of tilted orthorhombic imaging on a FAZ dataset in the central Gulf of Mexico

Li Li

Tuesday, September 17; 4:20 - 4:45 PM - Room 217B

Deblending of simultaneous and flip-flop shooting of sparse node long offset seismic for refraction FWI

Himadri Pal

Tuesday, September 17; 4:45 - 5:10 PM - Room 221A

Amplitude friendly inverse Q filtering

Tim Seher

Wednesday, September 18; 1:50 PM - 2:15 PM - Room 217D

Unsupervised machine learning facies classification in the Delaware Basin and its comparison with supervised Bayesian facies classification

Satinder Chopra

Wednesday, September 18; 2:15 - 2:40 PM Poster Station 3

Fourier finite-difference wave-equation migration in tilted transversely isotropic media with an improved solution for coefficient estimation

Chen Tang

Wednesday, September 18; 2:15 - 2:40 PM – Room 214C

A practical data-driven method for applying amplitude inverse Q that preserves amplitude variations with offset

Simon Baldock

Wednesday, September 18; 2:15 - 2:40 PM – Room 217D

Seismic data denoising with mathematical morphological filters

Zhaojun Liu

Wednesday, September 18; 1:50 - 2:15 PM, Room 305

Deblending of long-offset OBN data for velocity model building by sparse inversion of hyperboloidal components

Hassan Masoomzadeh

Wednesday, September 18; 2:40 - 3:05 PM, Room 214D

Towards smaller source volumes: An example from the Gulf of Mexico

Jan Langhammer

Wednesday, September 18; 3:30 - 3:55 PM - Poster Station 12

Addressing some artifacts in PP-PS registration prior to performing joint impedance inversion

Satinder Chopra

Thursday, September 19; 4:10 - 4:25 PM, W-6

Image-domain Least-squares migration for amplitude fidelity and AVO/AVA compliant migration gathers

Bin Wang

Friday, September 20; 10:30 – 10:50 AM, W-18