

1997 UTD Geophysical Consortium Meeting

Seismic Migration

Aimin Xue	Kirchhoff Migration of Multicomponent Elastic Waves - Theory, Implementation and Model Testing
Biaolong Hua	Parsimonious Kirchhoff Migration
Hongbo Zhou	Applications of Butterworth and Chebyshev Filters in 3D Migration
Houzhu Zhang	Finite-difference Migration with Compensation for Absorption, Dispersion, and Transmission Losses

Reservoir Analog Characterization: Coyote Basin, Utah

Rucsandra Corbeanu	SEdimentologic and Stratigraphic Input to 3D GPR Interpretation - Ferron Sandstone, Coyote Basin, Utah
Robert Szerbiak	3-D GPR Data Acquisition and Processing at Coyote Basin, Utah
Deming Wang	Modeling GPR Borehole Data with Application to Clastic Reservoir Analog in Central Utah
Robert Szerbiak	Laboratory Measurements and Ground-penetrating Radar Modeling in the Ferron Sandstone

Posters

Andriansyah	Effects of Near-surface Structure, Scattering, and Q on AVO Measurements
Turgut Ozdenvar	2D Numerical Simulations of Poroelastic Wave Equations for Gas and Water-saturated Zones
The Utah Team	Sedimentologic and GPR Characterization of Clastic Reservoir Analogs: the Utah

Project

Seismic and GPR Data Acquisition and Processing

Xiaoxian Zeng	Ground-penetrating Radar Imaging of a Collapsed Paleocave System in the Ellenburger Dolomite, Central Texas; a Carbonate Reservoir Analog
Gislain Madiba	A New Approach to Weighted Stacking with Application to Synthetic Data
Gi-Choul Ahn	Geophysical Determination of Near Surface Water Distribution and Properties
Zhou Yu	Filtering of Ground Roll in the Wavelet Transform Domain

AVO

Andriansyah	AVO Analysis and Interpretation for a Carbonate Reservoir, Northwest Java Basin, Indonesia
Xiaoxian Zeng	GPR AVO
Adam Koesoemadinata	Petrophysical Parameterization of AVO
Jun Cai	Inversion of Reflection Times and Amplitudes for Layer Shape, Velocity, and Attenuation

Seismic Anisotropy

Andrey Ortega	3-C Synthetic Seismograms for 3-D Anisotropic Elastic Media by Polygonal Raytracing: Application to Shear Wave Splitting
Jaime Ramos-Martinez	3-D Seismic Modeling for Fractured Media: Shear-wave Splitting at Vertical Incidence in One and Multiple Layers
Andrey Ortega	Anisotropic Seismic Modeling of 3-C Multi-azimuth Data from South-west Venezuela

