

1998 UTD Geophysical Consortium Meeting

Seismic Migration

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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 |