

AGENDA

UT-Dallas Geophysical Consortium

2006 Annual Sponsor's Meeting

March 2 & 3, 2006

THURSDAY MAR 2: MORNING SCHEDULE

9:30 - 10:00 REGISTRATION, COFFEE AND LATE BREAKFAST (GALAXY ROOM)

10:00 - 10:15 SUMMARY OF 2005 PROJECTS AND CONSORTIUM HIGHLIGHTS

George McMechan

10:15 - 12:00 SEISMIC MIGRATION AND VELOCITY ANALYSIS

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Hui Chang	Comparison of parsimonious and full Kirchhoff migrations
Weihong Fei	3-D Common-reflection point based seismic migration velocity analysis
Feng Deng transmission	True amplitude migration: correction for losses and attenuation in the time/space domain
Yogesh Agnihotri	Prestack parsimonious migration of 3-C 3-D VSP data using ray directions from polarization analysis.
Hui Chang anisotropic	3-D full-wavefield acoustic inversion for parameter estimation

12:00 - 1:00 BUFFET LUNCH & INFORMAL DISCUSSION (GALAXY ROOM)

THURSDAY MAR 2: AFTERNOON SCHEDULE

1:00 - 2:00 ALGORITHMS AND APPLICATIONS I

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Ashwani Dev	Correction of seismic AVO data for recording group effects in the wavenumber domain
Xiaoxian Zeng	Automatic data clustering and ranking for feature attribute extraction
Yanrong Hu	Comparison of 5 parameterizations of the elastic tensor for fracture-induced anisotropy for low to high crack density

2:00 - 2:15 COFFEE BREAK

2:15 - 3:45 ALGORITHMS AND APPLICATIONS II

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Martin Nyamapfumba	Spectral decomposition, with application to data from offshore Angola (Project Proposal)
Feng Deng	Comparison of migration algorithms based on one-way extrapolators
Ibrahim Basi	Comparison of parsimonious and reverse-time migrations in a region of complicated structure (Progress report)
Xiaoxian Zeng	Cluster hardware update

3:45 - 4:00 COFFEE BREAK

4:00 - 5:00 POSTERS AND INFORMAL DISCUSSION (POSTERS WILL BE UP BOTH DAYS)

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Don Moore	Tour of the Cluster Computer Center (in WT 1.204)
Keumsuk Lee	3-D facies architecture, and stratigraphic evolution of a top-truncated, mixed-influenced delta front, Wall Creek, Wyoming
Upendra Tiwari	Effects of incomplete parameterization on inversion of full-wavefield viscoelastic seismic data for petrophysical reservoir properties
Weihong Fei	3-D fast reflectorless tomographic migration velocity analysis
Keumsuk Lee	GPR survey of a delta front reservoir analog in the Wall Creek Formation, Wyoming
Upendra Tiwari	Estimation of effective pressure and water saturation by viscoelastic inversion of synthetic time-lapse data for a gas sandstone reservoir
Zijian Zhang	Elastic inversion and interpretation of seismic data

from Hydrate Ridge, Offshore Oregon

Abay Aibaidula Processing angle dependent inversion and interpretation of a 3D seismic data set from the Ouachita Mountains, Oklahoma.

Geosciences Department Overview of Activities in Geosciences at UTD

5:30 BANQUET IN THE CONFERENCE CENTER, ROOM CN1.212

FRIDAY MARCH 3: MORNING SCHEDULE

8:30 - 9:00 CONTINENTAL BREAKFAST (GALAXY ROOM)

9:00 - 10:15 RESERVOIR CHARACTERIZATION

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Keumsuk Lee	3D facies architecture architecture and 3D calcite concretion distribution in a tide-influenced delta front, Wall Creek Member, Frontier Formation, Wyoming
Ashwani Dev	Seismic characterization of gas hydrates in the Gulf of Mexico
Upendra Tiwari	Estimation of effective pressure and water saturation by viscoelastic inversion of synthetic data for a gas sandstone reservoir

10:15 - 10:30 COFFEE BREAK

10:30 - 11:45 3-D / 3-C SEISMOLOGY

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Sandip Chattopadhyay	3D extrapolation with the spectral element method.....preliminary results
Cambrey Salazar	3-D, 3-C full-wavefield anisotropic modeling of the fractured Barnett Shale in Jack and Wise Counties, Texas (Project proposal)
Yanrong Hu	3-D, 3-C full-wavefield anisotropic modeling of a fractured carbonate reservoir in the Borburata field, Venezuela (Project proposal)

11:45 - 12:45 LUNCH & INFORMAL DISCUSSION (GALAXY ROOM)

FRIDAY MARCH 3: AFTERNOON SCHEDULE

12:45 - 2:00 3-D AND 4-D SEISMOLOGY

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Abay Aibaidula	Seismic impedance inversion and interpretation
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of a 3-D data set from the Ouachita Mountains,
Oklahoma

Yogesh Agnihotri Preprocessing of 3-C 3-D VSP data for the Vinton
Dome, Louisiana (Progress report)

Upendra Tiwari Analysis of time-lapse seismic data from the
Gannet B Field, Central North Sea, UK
(Progress report)

2:00 - 2:15 COFFEE BREAK

2:15 - 2:30 SUMMARY OF OTHER 2005 PROJECTS

George McMechan

2:30 - 2:45 DISCUSSION / QUESTIONS

2:45 ADJOURN TO SNACKS & COFFEE, INFORMAL TOUR OF FACILITIES