

AGENDA

UT-Dallas Geophysical Consortium

2007 Annual Sponsor's Meeting

March 1 & 2, 2007

THURSDAY MAR 1: MORNING SCHEDULE

9:15 - 9:45 REGISTRATION, COFFEE AND LATE BREAKFAST (GALAXY ROOM)

9:45 - 10:00 SUMMARY OF 2006 PROJECTS AND CONSORTIUM HIGHLIGHTS

George McMechan

10:00 - 12:00 SEISMIC MIGRATION AND INVERSION

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Feng Deng transmission (2D	True amplitude migration: correction for losses and attenuation in the time/space domain acoustic)
Hui Chang anisotropic	3-D full-wavefield acoustic inversion for parameter estimation
Upendra Tiwari inversion	Effects of incomplete parameterization on of full-wavefield viscoelastic seismic data for petrophysical reservoir properties
Sandip Chattopadhyay time	Comparison of image conditions for reverse migration
Feng Deng transmission (3D	True amplitude migration: correction for losses and attenuation in the time/space domain and elastic)

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

THURSDAY MAR 1: AFTERNOON SCHEDULE

1:00 - 2:30 ALGORITHMS AND APPLICATIONS I

- Xiaoxian Zeng Automatic data clustering and ranking for feature attribute extraction
- Hui Chang Identification of multiples by demigration and remigration
- Juanjuan Cao Velocity-independent prediction of multiples from slowness relations in common-reciever gathers
- Heru Rusmanugroho AVO analysis of fracture induced anisotropy

2:30 - 2:45 COFFEE BREAK

2:45 - 4:15 ADVANCED PARAMETERIZATIONS AND HARDWARE

- Yanrong Hu Comparison of parameterizations of the elastic tensor for fracture-induced anisotropy for high crack density
- Qunshan Zhang Anisotropy of Q; Modeling and full-wavefield inversion (Project Proposal)
- Hussein Harbi Scattering models (Project proposal)
- Xiaoxian Zeng Cluster hardware update

4:15 - 4:30 COFFEE BREAK

4:30 - 5:15 POSTERS AND INFORMAL DISCUSSION (POSTERS WILL BE UP BOTH DAYS)

- 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
- Heru Rusmanugroho Elastic inversion and spectral decomposition of data from the Ripah Block, Sumatra, Indonesia
- Juanjuan Cao Processing of data from the Mississippi Embayment
- Ashwani Dev Effects of array responses on AVO data

Feng Deng True amplitude prestack depth migration

Geosciences Department Overview of Activities in Geosciences at UTD

5:30 BANQUET IN THE MCDERMOTT SUITE (3RD FLOOR OF THE MCDERMOTT LIBRARY)

FRIDAY MARCH 2: MORNING SCHEDULE

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

8:30 - 9:45 ALGORITHMS AND APPLICATIONS II

Martin Nyamapfumba Spectral decomposition, with application to data from offshore Angola

topographic Ting Gong Summary of reverse-time migration from the datum

Ibrahim Basi Topographic corrections to slowness measurements in parsimonious migration

9:45 - 10:00 COFFEE BREAK

10:00 - 11:15 RESERVOIR CHARACTERIZATION

Ashwani Dev 2-D seismic characterization of gas hydrates in the Gulf of Mexico

Upendra Tiwari Estimation of gas concentration by viscoelastic inversion of seismic data for gas sandstone reservoirs in the North Sea

Hussein Harbi Tomographic characterization of an Ellenberger reservoir analog

11:15 - 12:15 LUNCH & INFORMAL DISCUSSION (GALAXY ROOM)

FRIDAY MARCH 2: AFTERNOON SCHEDULE

12:15 - 2:15 3-D / 3-C SEISMOLOGY

Cambrey Salazar 3-D, 3-C full-wavefield anisotropic modeling of the fractured Barnett Shale in Jack and Wise Counties, Texas

data Qunshan Zhang 3-D, 3-C viscoelastic modeling of near surface

Yanrong Hu	3-D, 3-C full-wavefield anisotropic modeling of a fractured carbonate reservoir in the Borburata field, Venezuela
Yogesh Agnihotri	Prestack parsimonious migration of 3-C 3-D VSP data using ray directions from polarization analysis.
Ashwani Dev	3-D seismic characterization and estimation of gas hydrate saturation in the Gulf of Mexico

2:15 - 2:30 COFFEE BREAK

2:30 - 2:45 SUMMARY OF OTHER 2006 PROJECTS

George McMechan

2:45 - 3:00 DISCUSSION / QUESTIONS

3:00 ADJOURN TO SNACKS & COFFEE, INFORMAL TOUR OF FACILITIES