

AGENDA

UT-Dallas Geophysical Consortium

2008 Annual Sponsor's Meeting

March 6 & 7, 2008

THURSDAY MAR 6: MORNING SCHEDULE

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

9:45 - 10:00 SUMMARY OF 2007 PROJECTS AND CONSORTIUM HIGHLIGHTS

George McMechan

10:00 - 12:00 SEISMIC MIGRATION
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Feng Deng Elastic true amplitude migration

Sandip Chattopadhyay Comparison of image conditions for reverse time migration

Bao Nguyen Comparison of 5 options for source wavefield reconstruction in reverse-time migration

Ting Gong Wave equation based processing with application to land field data with strong topography and near-surface velocity variations

Yogesh Agnihotri Prestack parsimonious migration of 3-C 3-D VSP data using ray directions from polarization analysis.

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

THURSDAY MAR 6: AFTERNOON SCHEDULE

1:00 - 2:50 SEISMIC INVERSION
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Qunshan Zhang 2-D full wavefield inversion in the time domain:

Defining limits

Hui Chang 3-D full-wavefield elastic inversion for anisotropic parameters

Qunshan Zhang Inversion for orthorhombic elastic stiffness tensor elements: Theory and preliminary steps

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

2:50 - 3:10 COFFEE BREAK

3:10 - 4:30 ADVANCED PARAMETERIZATIONS AND HARDWARE

Yanrong Hu Elastic stiffness vs compliance: Theoretical issues

Hussein Harbi Reservoir Analog Characterization Using GPR Scattering, Intrinsic Q modeling, and Electromagnetic Property Inversions

Xiaoxian Zeng Cluster hardware update and the Texas Advanced Computing Center (TACC)

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

data Ashwani Dev Wavenumber domain correction to elastic seismic for recording groups

Upendra Tiwari Effects of incomplete parameterization on inversion of full-wavefield viscoelastic seismic data for petrophysical reservoir properties

velocity Ernesto Oropeza Implementation of MZO operator for variable media

modeling Cambrey Salazar Full-wavefield finite-difference anisotropic of the fractured Barnett Shale

changes Heru Rusmanugroho Sensitivity of 3-D 9-C wide azimuth data to in fracture density and fluid content, in fractured reservoirs

Ting Gong Wave equation based processing: Potential for application to 3-D field data

Feng Deng 3-D true amplitude prestack migration

Heru Rusmanugroho AVO characterization from wide azimuth 9-C
seismic data

12:15 - 1:00 LUNCH & INFORMAL DISCUSSION (GALAXY ROOM)

FRIDAY MARCH 7: AFTERNOON SCHEDULE

1:00 - 2:15 3-D, 3-C MODELING AND IMAGING II (FIELD DATA)
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Cambrey Salazar 3-D, 3-C full-wavefield anisotropic modeling of
the fractured Barnett Shale in Johnson County,
Texas

Ernesto Oropeza 2-D Multi-component seismic data processing in
Barinas, Venezuela

Xiaoxian Zeng Automatic data clustering and ranking for feature
attribute extraction

2:15 - 2:30 COFFEE BREAK

2:30 - 2:50 SUMMARY OF OTHER 2007 PROJECTS

George McMechan

2:50 - 3:15 DISCUSSION / QUESTIONS

3:15 ADJOURN TO SNACKS & COFFEE