AGENDA
UT-Dallas Geophysical Consortium
2003 Annual Sponsor's Meeting
March 5 & 6, 2003

THE GALAXY CONFERENCE ROOMS
UTD STUDENT UNION BUILDING
The University of Texas at Dallas

WEDNESDAY MAR 5: MORNING SCHEDULE
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9:30 - 10:00 REGISTRATION, COFFEE AND LATE BREAKFAST (GALAXY ROOM)
10:00 - 10:15 SUMMARY OF 2002 PROJECTS AND CONSORTIUM HIGHLIGHTS
   George McMechan
10:15 - 12:15 SEISMIC IMAGING AND MIGRATION
   Biaolong Hua  3-D Parsimonious Kirchhoff Depth Migration
   Weihong Fei  Fast 2-D Model-Based Migration Velocity
                 Analysis and Reflector Shape Estimation
   Abrahim Shogar  Comparison of Ray-Based and Wave-Equation-Based
                   Migrations on a Land Field Data Set (Project Proposal)
   Xiaoxian Zeng  Processing of VSP Data from the Vinton Dome
   Menno Dillen  Recursive Depth Interferometry of Prestack
                 Time Lapse Seismic Wave Fields

12:15 - 1:30 BUFFET LUNCH & INFORMAL DISCUSSION (REGENCY-3 ROOM)

WEDNESDAY MAR 5: AFTERNOON SCHEDULE
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1:30 - 2:45 DRILLING HAZARDS AND GAS HYDRATES
Shaoming Lu  Seismic Characterization of Shallow Water Flow in the Gulf of Mexico

Zijian Zhang  Elastic AVA Inversion Study of Gas Hydrates on the Oregon Continental Margin


2:45 - 3:00  COFFEE BREAK

3:00 - 5:00  POSTERS AND INFORMAL DISCUSSION

POSTERS (WILL BE UP BOTH DAYS)

Don Moore  Tour of the Cluster Computer (in FA2.102)

Bob Loucks et al. Characterizing the Three-Dimensional Architecture of a Coalesced, Collapsed Paleocave System in the Lower Ordovician Ellenburger Group

Biaolong Hua  Parsimonious 2-D Post- and Pre-Stack Kirchhoff Depth Migration

Gislain Madiba  Simultaneous AVO Elastic Inversion of a 2-D Seismic Data Set from the North Viking Graben, North Sea

Keumsuk Lee et al. Characterization of a Delta Front Reservoir Analog in Wyoming

Bob Szerbiak  Electrical and Petrophysical Parameter Modeling and Inversion of Ferron Sandstone Data

Shaoming Lu  Elastic Impedance Inversion of Multi-Channel Seismic Data for Estimation of Gas Hydrate and Free Gas

Geosciences Department  Overview of Activities in Geosciences at UTD

5:30 BANQUET IN THE GREEN CENTER

THURSDAY MARCH 6: MORNING SCHEDULE

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8:45 - 9:15 CONTINENTAL BREAKFAST (GALAXY ROOM)

9:15 - 10:30 RESERVOIR CHARACTERIZATION
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Gislain Madiba  Seismic Impedance Inversion and Interpretation of a Gas Carbonate Reservoir in the Alberta Foothills, Western Canada

Keumsuk Lee    GPR Survey of a Delta-Front Reservoir Analog in the Wall Creek Formation, Wyoming

Upendra Tiwari Estimation of Water/Gas Saturation and Effective Pressure from Seismic Velocities and Quality Factors as Functions of Frequency: Predictions of an Empirical Model

10:30 - 10:45 COFFEE BREAK

10:45 - 11:45 SEISMIC MODELING AND PARALLEL COMPUTING I
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Pratik Patel    2-D Acoustic and 3-D Viscoelastic Modeling: A High-Performance Cluster Computing Approach using MPI

Maulin Patel   Doubling the Speed of Fourier Transforms: Almost Two for the Price of One

Stig Hestholm  Accurate 3-D Viscoelastic Modeling in a Coordinate-transformed Velocity-stress Formulation

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

THURSDAY MARCH 6: AFTERNOON SCHEDULE
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12:45 - 2:00 SEISMIC MODELING AND PARALLEL COMPUTING II
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Stig Hestholm  A Synthetic Moving Source: Topography and Plane Surface Comparisons.

Nistala Suresh 3-D Seismic Modeling of Fracture-induced
Anisotropy

Menno Dillen
Visco-elastic Modeling and Ranging of a Variable Speed Moving Surface Source.

2:00 - 2:15  COFFEE BREAK
2:15 - 2:30  SUMMARY OF OTHER 2002 PROJECTS

George McMechan

2:30 - 2:45  DISCUSSION / QUESTIONS

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