



## Joint Industry Project

### *Model Calibration and Efficient Reservoir Imaging (MCERI)*

Texas A&M University and Lawrence Berkeley National Laboratory  
Annual Advisory Board Meeting

Thursday, September 28, 2006  
San Antonio, Texas

## AGENDA

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**Location: San Antonio Marriott-Riverwalk**

**Address 711 East Riverwalk**

**San Antonio, Texas 78205**

Phone: (210) 224-4555 or toll free (800) 648-4462

Fax: (210) 224-2754

- 8:00 AM Breakfast
- 8:30 AM Opening Remarks  
*Akhil Datta-Gupta, Texas A&M University and Don Vasco, Lawrence Berkeley Laboratory*
- 8:50 AM Compositional Streamline Simulation with Compressibility Effects  
*Ichiro Osako*
- 9:20 AM Optimal Waterflood Management Using Rate Control  
*Ahmed Al-Huthali*
- 9:50 PM Rigorous Streamline Tracing in Faulted Cells and Non-Neighbor Connections  
*Eduardo Jimenez*
- 10:20 AM Break
- 10:40 AM Continuous Reservoir Model Updating Using Streamline-Assisted Ensemble Kalman Filters  
*Elkin Arroyo*
- 11:10 AM Time-Lapse Seismic Monitoring of CO<sub>2</sub> Sequestration with Compositional and Geochemical Effects  
*Ajitabh Kumar*
- 11:40 AM Reservoir Characterization Using Time-Lapse Seismic and Production Data  
*Don Vasco*
- 12:00 PM Lunch



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### AGENDA (Cont'd)

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- 1:15 PM External Speaker: Texas A&M and Shell Collaboration on History Matching  
*Detlef Hohl, Sr. Staff Geophysicist, Shell International*
- 1:45 PM A Multistage Sampling Method for Uncertainty Quantification in History Matching  
*Xianlin Ma*
- 12:15 PM Break
- 2:30 AM Ensemble Kalman Filters with Sensitivity-Based Covariance Localization  
*Deepak Devegowda*
- 3:00 PM Streamline-based History Matching of Three-Phase Flow: Recent Advances and Applications  
*Dayo Oyerinde*
- 3:30 PM Multi-scale Flow Simulation and Inversion  
*Vegard Stenerud*
- 3:45 PM Software Demonstration  
*Eduardo Jimenez*
- 4:00 PM Discussion and Wrap-up  
*Akhil Datta-Gupta and Don Vasco*
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