

# Seismic Imaging of Depositional and Geomorphic Systems

## 30th Annual GCSSEPM Foundation Bob F. Perkins Research Conference

HOUSTON, TEXAS, DECEMBER 5-8, 2010

Houston Marriott Westchase Hotel

Seismic geomorphology is the integration of three dimensional seismic data and the historical study of earth forms – geomorphology. Through this discipline we can see the ancient morphology of our depositional systems, in a spatial detail and at a dense time scale that we have not considered before. Quantitative methods applied to these data enable us to risk and define our subsurface reservoir and seal systems with a reduced uncertainty. In areas where much of our understanding was previously based upon schematic models and distant analogs often derived in basins very different from our own, we now rely on quantitative morphologic data measured from our own reservoirs in our own data. Having these data allow us to reexamine the empirical relationships among system elements and create models to predict, for instance, channel lithology from channel sinuosity, levee width based upon levee height, or carbonate apron width from slope. They enable us to view the true distribution of petrographic facies within a context of 3D spatial distribution of depositional elements. We can begin to explain why some wells produce and others don't. We can begin to predict with increased accuracy. Application of quantitative seismic geomorphology to existing data volumes around the world has the potential to provide a heretofore unrealized dense, deep, and spatially extensive understanding of older geomorphologic framework of the world.

The aim of the 30th annual Bob F. Perkins Research Conference is to discuss the integration of geomorphic and depositional systems principles and three-dimensional seismic interpretation toward an improved understanding of how to interpret paleo-landscapes and seascapes.

*The Call for Papers* has been answered with over thirty significant papers from industry and academia that will address these questions. A current listing of papers is available on our web site. All papers will be presented orally as well as poster format available for browsing throughout the meeting. All authors will be writing complete articles or expanded abstracts, which will be published in **CD or DVD** format in the same successful manner as the GCSSEPM has done since 1999. This means full color illustrations, longer articles, and, perhaps, some oversized illustrations.

As in the past, our registration fees will include conference CD/DVD, ice breaker, meals, and refreshments. **This year, the technical presentations will span 3 days!** For **GCSSEPM Members who are current in their dues**, early registration (before November 12, 2010) will be **\$450**. Early registration for non-members or those who are behind in their dues will be **\$500**. Registration after November 12, 2010, will be \$550. A limited number of student registrations will be available for **\$200**. Because of expected space demands, student registrations will go on sale **after** October 1, 2010. (**Note: Student presenters can register before this date.**) All students should e-mail (gcssepm@comcast.net) for a special form. Up-to-date **SECTION** members **70 or more years of age** may register for \$300 **BEFORE** November 12th. (**Note: "Current" in dues means 2010 expiration or later. For \$475, non-members may join for 3 years and pay member's registration during early registration only.**) Cancellation Policy: Before 11/12/10, \$75 charge; 11/12-11/25, \$125 charge if we have a replacement; no refunds will be granted for cancellations after 11/25/10. Payment may be made by our secure form on-line, by mail, or by fax: **281-586-0833**. (**FULL Session registration on-site will be \$600.**)

The most current information and registration forms for the conference are always available on our web site at [www.gcssepm.org](http://www.gcssepm.org). We will try and maintain an accurate listing of papers and authors. As we did last year, the final program will be on-line and available for downloading before the conference starts. In addition, we will have on-line registration available!

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**REGISTRATION FORM**  
**GCSSEPM FOUNDATION 30<sup>th</sup> ANNUAL BOB F. PERKINS RESEARCH CONFERENCE**  
December 5-8, 2010 • Houston, Texas

❖ ❖ ❖ PLEASE USE THIS FORM TO REGISTER FOR THE CONFERENCE BY MAIL OR BY FAX ❖ ❖ ❖

Name (Last, First, Middle Initial) \_\_\_\_\_ Nickname for Badge \_\_\_\_\_  
Company \_\_\_\_\_ Spouse Name (if registering) \_\_\_\_\_  
Mailing Address (Street or P.O. Box) \_\_\_\_\_ Day Phone (Include area/country code) \_\_\_\_\_  
City \_\_\_\_\_ State/Country \_\_\_\_\_ ZIP/Postal Code \_\_\_\_\_  
e-mail Address: \_\_\_\_\_

GCSSEPM Section Member \$450 Until 11/12/10     Nonmember \$500 Until 11/12/10     Spouse Registration \$75  
 Late Registration \$550 (After 11/12/10)     Over 70 \$300 (Before 11/12/10)     Join Section/register \$475     \$600 ON-SITE (Full)  
 Check enclosed     Visa     Discover     MasterCard     American Express    \_\_\_\_\_  
Credit Card Account Number

Card Expiration Date \_\_\_\_\_ Printed name of Card Holder \_\_\_\_\_ Authorized Signature for Card \_\_\_\_\_

**Mail this form with payment to the GCSSEPM Foundation, 2719 S. Southern Oaks, Houston, Texas 77068 or Fax to (281) 586-0833 (Credit Cards only). Checks or money orders must be drawn on U.S. banks in U.S. funds only. We do have on-line registration available at <http://www.gcssepm.org> (Credit Cards only).** Students wishing to apply for one of the limited number of \$200.00 student places should request a special student registration application from the GCSSEPM Foundation by mail, fax or telephone at the number given above, or email **after October 1st (except for student presenters).**

----- CUT ON THIS LINE TO SEPARATE FORMS -----

**Houston Marriott Westchase Hotel Reservation Form**

**GCSSEPM Foundation 30<sup>th</sup> Annual Bob F. Perkins Research Conference • December 5-8, 2010**  
**MAIL OR FAX HOTEL RESERVATION FORM DIRECTLY TO THE HOUSTON MARRIOTT WESTCHASE**

Houston Marriott Westchase Hotel - ATTENTION: RESERVATIONS  
2900 Briarpark Drive, Houston, Texas 77042

(800) 452-5110 (If you call, mention GCSSEPM Foundation Conference)    **Reservations Fax: (713) 735-2727**

Arrival Date: \_\_\_\_\_ Approximate Time: \_\_\_\_\_ Departure Date: \_\_\_\_\_ Number of Rooms: \_\_\_\_\_  
Guest Name: \_\_\_\_\_ Names of Additional Occupants: \_\_\_\_\_  
Street Address: \_\_\_\_\_ Day Phone (Include area/country code): \_\_\_\_\_  
City: \_\_\_\_\_ State/Country: \_\_\_\_\_ ZIP/Postal Code: \_\_\_\_\_

**Special conference rate: \$121 single, \$121 double, \$131 triple, \$141 quad (BEFORE November 21, 2010)**

I have enclosed a check or money order in the amount of one night's room rate plus occupancy tax (currently 17%).  
 Please charge one night's room rate plus 17% occupancy tax to the following credit card:  
 Visa     MasterCard     American Express     Carte Blanche/Diner's Club     Discover  
Credit Card No.: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

I understand that (1) I am liable for one night's room rate plus occupancy tax (currently 17%, **subject to change**), which will be covered by my deposit, in the event that I do not arrive as scheduled or cancel reservations less than 48-hours prior to my scheduled arrival; (2) upon check-in I must verify departure date.

Name on Card (Print or type): \_\_\_\_\_ Authorized Signature: \_\_\_\_\_

This hotel reservation request form must be accompanied by a deposit of one night's room rate plus 17% occupancy tax either by check, money order or with a major credit card. This deposit will be applied to the first night of the reservation. Deposits made via a credit card will be considered guaranteed and billed accordingly in case of a no-show. **Occupancy Tax is subject to change without notification.** Check in time is 3:00 PM. Check out time is 12:00 Noon.