



January 2010

Los Angeles Basin Geological Society Newsletter

January 28th (Thursday), 2010 Meeting: Bruce Hart – ConocoPhillips, Houston, Texas.

A 2009-10 AAPG Distinguished Lecturer will speak on . . .

Reservoir-Scale Seismic Stratigraphy: A Call to Integration

Mark your Calendars and make those reservations – this will be Bruce Hart's only California speaking engagement and it will be a great one!

This is a Joint meeting with the LAAPL – So come and join the Landmen

Speaker Abstract

The introduction of seismic stratigraphic techniques in the 1970s gave sedimentary geologists in the petroleum industry and Academia new tools for predicting lithology and analyzing the depositional history of sedimentary basins. Seismic stratigraphy originally focused on large-scale exploration problems and was based on analyses of 2-D seismic data in areas that were relatively “data poor” (i.e., few logs, core or production data). Although these conventional seismic stratigraphic analyses are still used fruitfully, new challenges and opportunities confront the petroleum industry as it faces the need to improve recovery from mature fields. □

These areas are commonly data rich (lots of log, core and production data), and covered by relatively small 3-D seismic surveys that do not image all of the sequences or systems tracts that the reservoir rocks are part of. As such, a new mindset is needed, here termed “reservoir-scale seismic stratigraphy,” to help geoscientists maximize the stratigraphic information they can extract from seismic data. Integration of geologic and geophysical concepts and data is critical. □

Techniques employed by geophysicists for at least the past decade (inversion, seismic attribute studies, seismic facies analysis, etc.) need to become routine parts of the sedimentary geologist's toolkit, whereas seismic interpreters need to study outcrops, core and modern analogs in order to anticipate the presence of depositional features that cannot be resolved seismically. This cross-disciplinary interaction will undoubtedly spawn new breakthroughs in sedimentary geology, reflection seismology, petroleum geology and related fields (e.g., hydrogeology). These are exciting times.

Speaker Biography



Bruce Hart is currently Director of the Shale, Seal and Pressure Systems Group at ConocoPhillips in Houston. He has a Bachelor's Degree from McMaster University, a Master's Degree from the Université du Québec à Rimouski, and a Ph.D. from the University of Western Ontario. He pursued a career in research at the Geological Survey of Canada, Penn State, The New Mexico Bureau of Mines and Mineral Resources and McGill University prior to joining ConocoPhillips in August 2008.

Bruce began his geoscience career as a clastic sedimentologist, but eventually found himself examining stratigraphy with 3-D seismic data. Subsequently, he and his students integrated 3-D seismic, log, outcrop, core, production and other data types to address a range of structural and stratigraphic problems from Paleozoic, Mesozoic and Cenozoic clastic and carbonate reservoirs from various parts of the globe. Most of that work has been documented in over 50 peer-reviewed publications that cover topics such as seismic attribute analyses, hydrothermal dolomites, fractured tight-gas sandstones, sequence stratigraphy, pore-pressure prediction, and the sedimentology of shoreface conglomerates.

He has taught courses and workshops on 3-D seismic interpretation for industry professionals in Cairo, Calgary, Copenhagen, Houston, Kuala Lumpur, London, New Orleans, The Hague, Vienna, and elsewhere. His current work focuses on the relationships between shale depositional processes and hydrocarbon seals, source rocks, and pressure systems. Information to come soon.

Meeting Time, Place, Cost and Reservations

Time:

Thursday, January 28, 2010

Typical Meeting Agenda

Lunch Served: 11:30 AM to 12:00PM
Announcements: 11:45 AM to 12:00 PM
Guest Speaker: 12:00 PM to 12:30PM
Questions/Close: 12:30 PM to 12:45 PM

Place:

The Grand at Willow Street Conference Center located at 4101 East Willow Street, Long Beach, CA. (562-426-0555). Take Lakewood Boulevard south from the San Diego Freeway (405), turn west onto Willow Street and turn right onto Grand Avenue at the sign for the Center. Park free in the garage structure.

Cost:

Lunch and Speaker: \$20.00 with reservations
\$25.00 without reservations
Student: FREE (Lunch and Speaker)

Meeting Reservations:

Make your reservations using our web site at www.labgs.org, by calling Marieke at (562) 624-3364., or emailing Marieke_Gaudet@Oxy.com. **Reservations made prior to Tuesday before the meeting is appreciated**, but walk-ons are welcome.

LABGS Don Clark Brunton Award

The Society is turning their attention toward the identification of a qualified applicant for the 2010 award. Check our website.

The LABGS Don Clarke Brunton Award was created as an annual gift of encouragement and recognition to those community college students who show dedication and passion to the field of Geoscience. It is our goal to encourage future geoscientists in their pursuits. Douglas Thoin was chosen as the recipient of the 2009 Don Clarke Brunton Award. Douglas was nominated for this award by Dr. Doug Britton of Long Beach City College, who provided the scholarship committee with his qualifications and a letter of recommendation.

Contact Us – The LABGS Board

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OUR WEB SITE ADDRESS IS:

www.labgs.org

Student Sponsorship

Petroleum Testing Service is sponsoring Student lunches for this meeting. Thank you PTS.



CORE ANALYSIS SERVICES
WESTERN REGIONAL LABORATORY
8100 Secura Way Santa Fe Springs, California
Office 562 347.2500

Upcoming 2010 LABGS Speaker/Event Schedule

January 28, 2010 – AAPG Distinguish Lecturer - Bruce Hart, ConocoPhillips, Houston, Texas. Lecture: “Reservoir Scale Seismic Stratigraphy: A call to Integration.”

February 24, 2010 - Carolan Laudon and Jonathan Williams with Schlumberger will present “A New Look for Your OLD Data”.

If you have a speaker suggestion, please mention it to a Board member!!

Other Events

PSAAPG 2010 Convention

May 27-29, 2010 Anaheim, see www.PSAAPG.org for more details

National AAPG 2010 Convention

New Orleans, LA, 11-14 April 2010, see www.AAPG.org for more details.

LABGS Brunton Award

The LABGS Brunton Award is given to a qualified undergraduate student attending a four-year LA Basin College or University currently pursuing a baccalaureate degree in Geology or the Earth Sciences. *The Society is currently looking for qualified applicants for the 2010 award. Check our website for details and forms.*

TOTY

The Teacher of the Year (TOTY) Award is a \$250 award for a teacher with 3+ years experience in K-12, who teaches at least one unit per year in the natural resources. Please see our website www.LABGS.org for more details. Thomas J "Tom" Hollis was chosen as the recipient for 2009.



President's Note

To all our members,

The LABGS committee is trying very hard to bring you a diverse program that will interest a wide spectrum of members. I need you to mark your calendars, 4th Thursday of January through May, 2010. The January 28th meeting will host the Los Angeles Association of Landmen. This has become an annual event and is always a pleasure to have them join us. Speaking is Bruce Hart, an AAPD Distinguished lecturer. This will be his only appearance in California. From our meeting he heads up to Alaska and then to the Rockies.

Make sure you consider contributing to the upcoming Pacific Section AAPG convention, a large number of you have a tremendous knowledge base and keen insights. They have extended the deadline for Abstracts to March, 9th.

Keep in mind that the LABGS gives away 3 awards every year. The Don Clark and LABGS Brunton Awards and the Teacher of the Year. We are actively looking for candidates now! So if anyone comes to mind as a qualified recipient, let us know. Our website is good place to check on requirements.

Bill

Los Angeles Basin Geological Association Advertising Costs 2008-2009

Newsletter and SoCal website posting:

- Business Card size ad \$25/month \$230/year
- 1/4 Page \$45/month \$450/year

Website posting only: \$20/month





Los Angeles Basin Geological Society Membership Form

Join the LABGS and become a member of the Pacific Section AAPG all for one low price of \$12.00 per year - 2 West Coast Geoscience Organizations for the price of one



Membership Benefits

- LABGS Membership
- Monthly Luncheon Meetings with Strong Technical Programs
- Pacific Section AAPG Membership
- Pacific Section AAPG Bi-Monthly Newsletter
- Discounts for PSAAPG Bookstore Publications
- Bi-Annual West Coast Geoscience Directory - *next edition 6/03*
- Networking and Social Opportunities with Fellow Geoscientists

Current Annual LABGS/PSAAPG Dues

1 Year Option = \$12.00 \$ _____
3 Year Option = \$36.00 \$ _____

Extended E-Mail Announcement List Fees

To receive meeting notices from SJGS and CGS
1 Year Option = \$12.00 \$ _____
3 Year Option = \$36.00 \$ _____

PSAAPG Foundation Contributions

B. Hacker Publication Fund \$ _____
Martin Van Couvering Fund \$ _____
Dibble Map Foundation \$ _____
California Well Sample Repository \$ _____
John Kilkenny Scholarship Fund \$ _____
PSAAPG Foundation Trust Fund \$ _____

TOTAL PAYMENT

Total Amount Enclosed \$ _____

Essential Member Information

Last Name _____
First Name _____
Middle Initial _____
E-Mail Address _____
Mail Address _____
Res or Bus ? _____

Additional Directory Information

Employer _____
Position / Title _____
Bus Phone # _____
Res Phone # _____
Fax Phone # _____
Spouse's Name _____
Education *Highest Degree* _____ *Year* _____
School _____

Signature _____

Annual membership is handled through PSAAPG and runs from July 1, through June 30. If you are already a current member of PSAAPG and you selected LABGS affiliation you are already a member of the LABGS.

**Please Make Checks out to PSAAPG and mail along with member form to:
PSAAPG P.O. Box 1072, Bakersfield, CA 93302**