

# Practical Salt Tectonics

a 1-day short course focused on interior salt basins

Instructor, Mark G. Rowan, Ph.D., AAPG International Distinguished Instructor

Sponsored by East Texas Geological Society (ETGS) and PTTC Texas/SE New Mexico Region

Monday, May 3, 2009

[Tyler Woman's Building](#)

911 S. Broadway Ave  
Tyler, TX 75701  
(903) 593-3822



**Attendance limited to 60 participants**

8:30 a.m. – 5:00 p.m.

Registration Fee: \$185 per person,  
\$150 for current ETGS members

(Includes morning refreshments, lunch, and instructor handouts)

**Earn 7.5 Professional Development Hours**

***[Click here to register online](#)***

## Content and Agenda

Salt Basins and diapirism

- Origin of salt basins and layered evaporite sequences
- Mechanics of salt deformation
- Salt withdrawal and diapirism
  - driven by differential loading
  - driven by extension
  - driven by shortening
- Exercise 1 – Diapir and minibasin styles
- Passive diapirism
  - diapir interiors and margins
  - near-diapir deformation
- Exercise 2 – Near-diapir geometries

## Instructor

Mark received a B.S. in biology from CalTech in 1976, an M.S. in geology from Berkeley in 1982, and a Ph.D. in structural geology from the University of Colorado at Boulder in 1991. He spent 3 years at Sohio Petroleum Co. in Denver (1982 to 1985), four years at Geo-Logic Systems in Boulder (1985-1989), and three years at Alastair Beach Associates in Glasgow, Scotland (1989-1992). He then returned to the University of Colorado, and in 1996 he was appointed a Research Assistant Professor and headed up a large industrial research consortium investigating Gulf of Mexico salt tectonics. Mark left this position in 1998 and founded his own company, where he consults and teaches for the petroleum industry and conducts research sponsored by industry.

Although Mark's background includes many types of tectonic environments, his recent research and consulting interests are focused on the styles and processes of salt tectonics, salt-sediment interaction, the geometry and kinematics of passive margins, and the applications to petroleum exploration. He is the author or coauthor of over 60 papers and 130 abstracts, is the regular instructor for AAPG's Salt Tectonics school, was an AAPG Distinguished Lecturer, and is the AAPG International Distinguished Instructor for 2009-2010.

## More Information

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Interested in joining ETGS? Contact Johnnie Wanger at [jwanger@sbcglobal.net](mailto:jwanger@sbcglobal.net) or 903-535-9887.

**PTTC Workshop Registration Form**

**Practical Salt Tectonics, Mark Rowan**  
**Monday, May 3, 2009**

**Register Online:**

Register online with a credit card at <http://www.beg.utexas.edu/pttc/workshops.htm>

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fax this form and your credit card information to 512-471-0140

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mail this form with your credit card information or check made payable to the Bureau of Economic Geology to:

Robert Newsham  
Bureau of Economic Geology  
University Station, Box X  
Austin, TX 78713

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**3 -digit security number on back (4-digit on front of AmEx.) \_\_\_\_\_**

If you have questions regarding registration or difficulty registering, please contact:

**Robert Newsham**  
512-232-1527  
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