Workshops (cont.)

Computer Mapping for Petroleum Exploration (register here)

Wednesday, 15 October 2008

Who Should Attend: Geologists, engineers, geophysicists, or geotechs who need to understand the basics of computer mapping for making realistic maps that can be used in exploration and development.

About the Course: The course has been designed to offer a review of the basics of subsurface mapping using the computer; understand how changing the algorithms will change the map; learn how different methods would be used to better find and sell prospects; and determine what trend surface analysis will do to enhance subtle features. The course offers a detailed approach to using the computer for subsurface mapping in petroleum exploration. Participants will develop an understanding of why the default option in a typical computer mapping program will generate a mediocre map.

Course Content: The following topics will be covered.
- Introduction to Geographic Information Systems (GIS)
- Gridding algorithms (What works best?)
- Using slope mapping to find faults
- Trend surface analysis for finding leads
- Map projections and how they influence your mapping
- Regional play assessment
- Edge effect and how to avoid it
- Application of color to enhance a map
- Methods of data display
- Conformable mapping
- 3D modeling
- Reserve estimation

Duration/Credit Hours: 8 hours/0.8 CEU

Instructor Biography:
Dr. Leetaru has a BS degree in geology from the State University of New York at Fredonia, an MS from Syracuse University, and a PhD from the University of Illinois. He has worked as a petroleum geologist with Getty Oil Company and Union Pacific Resources in Houston, Texas. He has been involved in exploration and development projects in the East Texas and West Texas basins, and the Hugoton Embayment of Kansas. Hannes has been a petroleum geologist at the Illinois State Geological Survey for the last 15 years. During his tenure at the ISGS, he has published more than 40 articles, workshop notes, and state survey publications and has also been an author or coauthor on more than 50 abstracts and contract reports).

Cost: $50 (register directly with AAPG by CLICKING HERE and filling out the required form)

Limit: 50 participants