

First Annual Berg-Hughes Center Research Conference and Problem Identification Workshop

Texas A&M University Campus, Pebble Creek Country Club, College Station, Texas, 8:00 AM – 5:00 PM, May 12, 2010

Purpose:

1. To review collaborative faculty and student research efforts and new educational initiatives in petroleum and sedimentary systems within the Departments of Geology and Geophysics, Petroleum Engineering, and Oceanography and within the Berg-Hughes Center for Petroleum and Sedimentary Systems.
2. To hear and learn from the petroleum industry (multinational and independent companies) about problems they currently face or anticipate facing that the academic community could assist in resolving. These could serve as topics for student research projects and/or faculty proposals to government agencies, foundations, and/or industry for funding.
3. To enter into a dialog on how the academic community and industry can work together in providing the education, research experience, problem solving ability, and communication skills of students to become effective and innovative leaders in the energy sector.

Program:

Part 1: Faculty and student presentations on the following projects: collaborative education initiatives; geoscience-engineering integrative study of subsurface systems; predictions of 3-D geometry, fractures, and structure growth relative to migration; characterization and modeling of microbial carbonate reservoirs; petrophysical carbonate rock types and porosity classification; integrative study of the geobiology of microbial systems; integrated Wilcox sequence stratigraphy, sedimentology, and palynology; rock-physics based carbonate reservoir heterogeneity; reservoir description, modeling, simulation, and management; unconventional reservoirs and resources; and applied marine geophysics.

Part 2: Industry reports on the following: education initiatives; and current or future research problems that Berg-Hughes Center participants could undertake to assist industry and benefit society. Although these problems may be of interest to industry, they may remain unaddressed due to time and resource commitments to higher priority areas by industry.

Part 3: Wide-ranging and in depth discussion of presentations and identified problems.