

## Multiphase Pump Tutorial

### *Learn about the technology before the Roundtable!*

We are pleased to announce that there will be a Multiphase Pump Tutorial held October 13, 2008 from 11-5pm in Paris, France.

This course is structured toward the practicing production, reservoir and facilities engineer who wants to learn about the basics of multiphase pumping.

The pumping course, taught by Dr. Stuart Scott, helps to develop the skills necessary for the selection and specification of multiphase pumps, taking the engineer through the fundamentals of multiphase pumping, discussing the methods being utilized and how they are being applied.

#### Main Topics Include:

- The Modern Multiphase Production System
- Multiphase Flow Fundamentals
- Multiphase Pumping Technologies
- Piston Pumps and Thermodynamic Considerations
- Twin-screw and PC Pumps
- Helicoaxial and Other Rotodynamic Multiphase Pumps
- Instrumentation and Speed Control
- Case Histories presented at the MPUR over the past 9 years will be summarized.
- Evolution of Subsea Multiphase Pumping and Compression



#### About the Instructor:

Dr. Stuart Scott is an instructor for PetroleumETC and created the MP Tutorial which is now offered worldwide. He is currently employed as an artificial lift consultant for Shell Americas Region where he manages the artificial lift R&D program. Stuart L. Scott was formerly an Associate Professor and holder of the Bethancourt Professorship in the Harold Vance Department of Petroleum Engineering at Texas A&M University. He leads research efforts in the area of multiphase production systems as well as the annual Multiphase Pump User Roundtable (MPUR) which he founded in 1999. Before joining Texas A&M

he was an Assistant Professor at Louisiana State University and he worked nine years for Phillips Petroleum Company. Scott was selected as a Distinguished Member of the Society of Petroleum Engineers (SPE) in 2006 and will serve as Board Member for the SPE Gulf Coast Section for 2007-2008. Scott Chaired the 1992 SPE Forum on Multiphase Flow, Pumping and Separation Technology and twice served as Chair of the SPE Production Operations Technical Committee. Scott and was awarded the ASME Henry R. Worthington Medal in 2003 for his work in the area of multiphase pumping and in 2004 was awarded the Dorothy & Ray Galvin '53 Faculty Fellowship for his contributions to the Texas A&M Engineering Program. Scott holds B.S. and Ph.D. degrees in Petroleum Engineering and a M.S. degree in Computer Science all from The University of Tulsa.