



**Multiphase Pump User Roundtable**  
**Houston, TX | March 17, 2010**

Co-located with:



This year's event will be held in Houston and will be co-located with the Texas A&M Turbomachinery Lab's 26th International Pump Symposium. The Multiphase Pump User Roundtable provides a focus on the application of multiphase boosting technology. In the past eleven years, the MPUR has grown to become the premier event for multiphase pumping and a unique forum to learn about this evolving technology. The 2010 event will focus on topics such as Subsea, Heavy Oil, and Wet-Gas.

**Wednesday March 17, 2010 - George R. Brown Conference Center**

8:00	Registration
8:30	Welcome and Introductions <i>PetroleumETC</i>
8:45	Key Note Address: Statoil's History and Way Forward on Subsea Boosting <i>Roger Oen Jensen, Statoil</i>
9:15	Development of High Boost, High Power Twin Screw Pump <i>Adrian Williams, Shell; Content assistance provided by Flowserve</i>
10:00	Break
	Emerging Pumping Technology for Subsea Processing ----- In the past several years there has been a dramatic increase in multiphase pumping research. Many of these ideas are currently being developed and tested in a laboratory setting and have not yet reached field application. This session will provide updates on the most interesting technologies and will be moderated by an end-user panel. <i>Moderators: Bob Heyl, Chevron; Ana Martin, BP; Luis Vergara, Schlumberger</i> -----
10:30	1. Subsea Torque Converter <i>David Atwood, Voith Turbo</i> 2. Subsea Boosting Using Caisson ESPs and High GVF Applications <i>Luis Vergara, Schlumberger</i> 3. Specific sealing technology for Multiphase pumping called DiamondFaces <i>Nikolaus Necker</i>
12:00	Lunch & Exhibits
2:00	Theoretical Modeling and Experimental Investigation of Multiphase Screw Pumps at Extremely High Gas Fractions <i>Klaus Rábiger and Roland Maurischat, Leistriz</i>
2:30	Evaluation of Deep Water Artificial Lift Alternative at Chevron's Jack and St. Malo Project <i>Mark Knobles, Chevron</i>
3:00	Break
	Upcoming Multiphase Pumping Applications: ----- Multiphase pumping has played a central role in a number of new field developments. This session provides an update on major recent and upcoming multiphase pump installations. Moderated by an end-user panel, this session will illustrate the many new ways multiphase pumps are being used by upstream oil & gas operators. <i>Moderators: Adrian Williams, Shell; Dr. Gerald Morrison, Texas A&amp;M U.; Ketan Sheth, Baker Hughes</i> -----
3:30	1. Expanding Two-Phase Flow Handling Capabilities of ESP's <i>Ketan Sheth, Baker Hughes</i> 2. Evaluation of Pumps for Multiphase Flow <i>Dr. Gerald Morrison, TAMU</i> 3. PEMEX Project Review <i>Sven Olson, Leistriz</i>
5:00	Conclusions and Wrap Up

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