



MULTIPHASE PUMP USER ROUNDTABLE

May 5, 2005 Houston, Texas

Roundtable Description

Texas A&M University is pleased to host the 7th Annual Multiphase Pump User Roundtable (MPUR). Over the past six years we have seen the MPUR evolve into the premier international event for multiphase pumping. The goal is simple.... to foster interaction and exchange of information in the fast evolving area of multiphase pumping. The MPUR is a place where hard learned lessons are shared, providing a unique opportunity to learn about this important new technology.

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NEW for 2005!

Multiphase Pump Short Course offered two days prior to the MPUR on May 3rd.

•Register for both and save \$100!

MPUR-2005 will be held May 5, 2005 at the Holiday Inn Select Hotel at HW 59 near Kirby in Houston. The cost is \$295/person and includes admission to the meeting, a CD of the presentations, and lunch. Due to expected strong attendance, pre-registration by April 22nd is recommended. As an added incentive, those pre-registered by April 22 will receive the event polo shirt. A Multiphase Pump Short Course will also be offered two days prior to the MPUR on May 3rd. For more information or to register for either event contact us at:

<http://mpur.org>

-or-

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Dr. Stuart L. Scott, Associate Professor
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Proudly brought to you by our 2005 MPUR Hosts:



ConocoPhillips



MPUR Preliminary Program: May 5, 2005

7:30 Registration & Breakfast

8:30 Introduction to Goals of the Roundtable
Dr. Stuart L. Scott - Texas A&M University

8:45 Experimental Setup of Multiphase Fluid Investigations in the Clearance Space Between Rotating and Fixed Pump Components
Oliver Klein - Institute for Failure Analysis and Failure Prevention (ISSV) - Hamburg

9:15 North Sea Multiphase Pumping Applications
Maurits Waaijenberg - Wintershall

10:00 Break

10:30 Workshop Sessions

- 1) Do's & Don'ts of Multiphase Installation
(Bob Betts - Exxon Mobil, Nikolaus Necker - Burgmann)
 - Pre-Installation through Installation
 - Project Management
 - Seals & Bearings
 - Extending Pump Life/Understanding Failure Modes
 - Process Control Issues
- 2) Standards & Guidelines for Multiphase Pumps *(Dag Calafell - Exxon Mobil)*
 - Current API Pump Standards
 - Factory Acceptance Test (FAT)
 - Discussion of API and ASME guidelines
- 3) Subsea *(Alvaro Carroll - BP, Elisio Caetano - Petrobras)*
 - Status Report on Subsea Projects:
 - Mutineer/ Exeter Project *(Per Skiftesvik - Framo Engineering)*
 - SBMS - 500 Atalaia Testing *(Elisio Caetano - Petrobras)*
 - MPA Project *(Dietrich Müller-Link - Bornemann Pumps)*
 - Subsea Torque Converter Testing *(David Atwood - Voith Turbo)*
 - Electra and Hydra Concept *(Jacques DeSalis - Sulzer)*
 - High Pressure Subsea Boosting *(Pradeep Dass - CAN-K)*
 - Subsea Piston Pump Concept *(Bob Judge - Hydril)*
 - Flow Assurance Issues and Slugging
 - Sizing....Parallel & Series Configurations

12:00 Lunch

1:15 10 Year Review of Multiphase Pumping
Bob Heyl - ChevronTexaco

2:00 Dunbar Multiphase Pump - a good example of operational flexibility
Pierre-Jean Bibet - Total

2:45 Break

3:15 Workshop Sessions 1-3 (repeat of above)

4:45 Closing Remarks
Dr. Stuart L. Scott - Texas A&M University

5:00 Adjourn