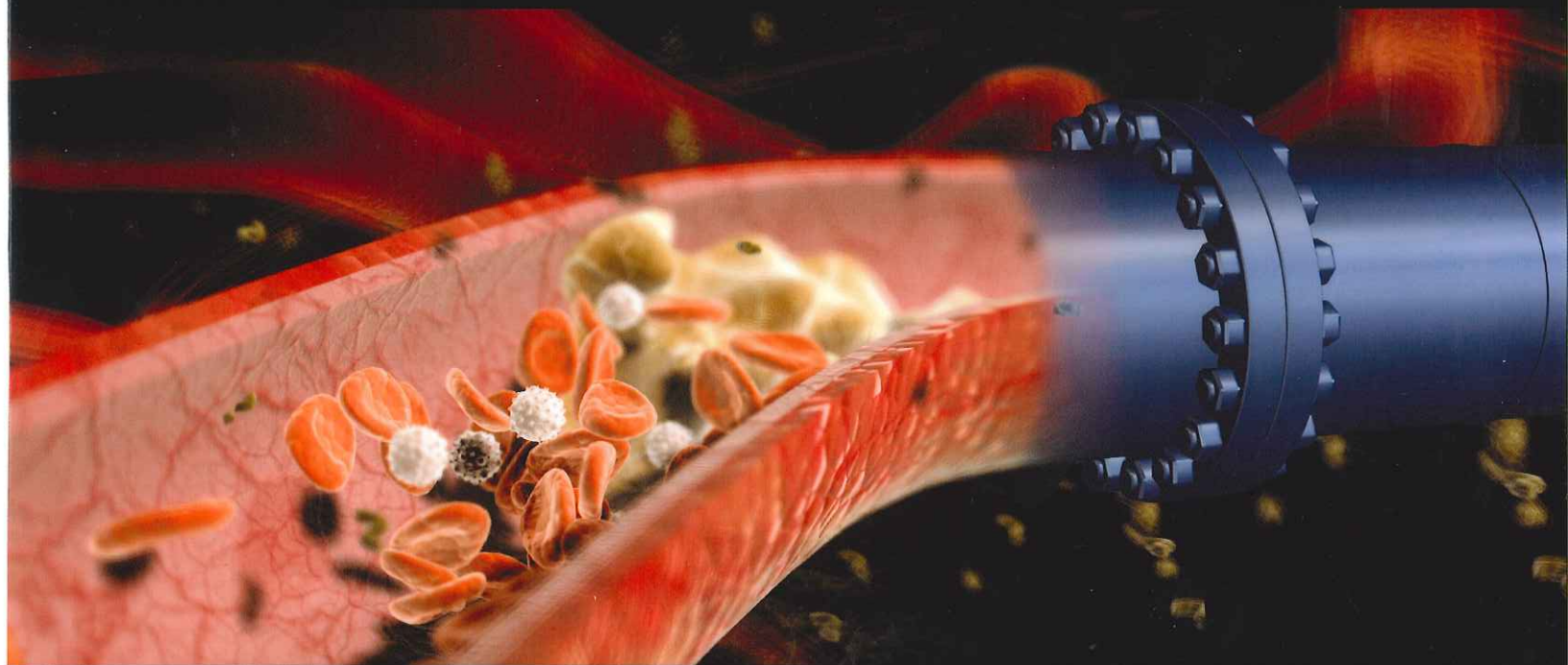


Pumps & Pipes 1

Monday, November 12, 2007



A unique collaborative initiative between Houston's largest industries designed to explore potential crossover ideas and technologies.

Methodist
DeBakey Heart Center



ExxonMobil

PROGRAM DIRECTORS:

Alan B. Lumsden, MD

Professor of Surgery
Methodist DeBakey Heart Center

William E. Kline, PhD

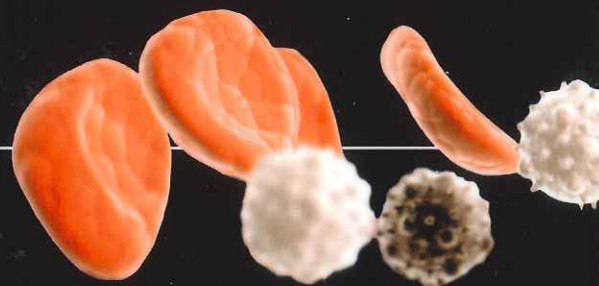
Manager of Wells and Materials Division
ExxonMobil Upstream Research Company

Ioannis Kakadiaris, PhD

Eckhard Pfeiffer Professor
University of Houston

"Pumps & Pipes 1" is being held at the Texas Learning & Computation Center at the University of Houston.

Slide presentations will be available for download at www.debakeyheartcenter.com. Slides are for informational use only and not for reproduction in any form without express consent of the author.



7:30 - 8:00 Registration and Breakfast

INTRODUCTION

8:00 - 8:15 Welcome
Mayor Bill White

8:15 - 8:35 **"Docs and Rocks"**
The Doc: Anatomy and Physiology of the Cardiovascular System
Alan B. Lumsden, MD
Methodist DeBakey Heart Center

8:35 - 8:55 **"Docs and Rocks"**
The Rock: Geology and Physics of Hydrocarbon Production
William Kline, PhD
ExxonMobil Upstream Research Company

HYDRAULICS, CONDUITS, AND PUMPS

9:00 - 9:15 **Left Ventricular Assist Devices**
Matthias Loebe, MD, PhD
Methodist DeBakey Heart Center

9:15 - 9:30 **Subsurface Pumps**
Rodney Bane
ExxonMobil Production Company

9:30 - 9:40 Discussion

9:40 - 9:50 Short Break

9:50 - 10:05 **Atherosclerosis**
Christie M. Ballantyne, MD
Methodist DeBakey Heart Center

10:05 - 10:20 **Corrosion and Scale Management**
Gerald Brown, PE
Brown Corrosion Services, Inc.

10:20 - 10:30 Discussion



Pumps & Pipes 1

10:30 - 10:45 **Mechanical Repair of Blood Vessels**

Zvonko Krajcer, MD
Texas Heart Institute

10:45 - 11:00 **Through Tubing Workovers**

Li Gao, PhD
Halliburton Energy Services

11:00 - 11:10 Discussion

11:10 - 11:30 Break and Refreshments

ACCESSING A TARGET

11:30 - 11:45 **Navigating and Viewing**

Alan B. Lumsden, MD
Methodist DeBakey Heart Center

11:45 - 12:00 **Geo-Steering a Drill Bit**

Schlumberger

12:00 - 12:10 Discussion

12:10 - 12:25 **Atherectomy and Plaque Analysis**

Eric Peden, MD
Methodist DeBakey Heart Center

12:25 - 12:40 **Downhole Coring and Sampling**

Fred Palumbo, Jr.
Core Laboratories

12:40 - 12:50 Discussion

12:50 - 1:05 **Endovascular Stents and Stent Grafts**

Michael Silva, MD
University of Texas Medical Branch

1:05 - 1:20 **Expandable Casing and Liners**

Mark Holland
Enventure Global Technology

1:20 - 1:30 Discussion

1:30 - 2:25 **Lunch**

2:25 - 2:45 **Views From Mutual Friends**

Clifford C. Dasco, MD, MBA, MPH
Abramson Center for the Future of Health
Dr. Robert Harriss
Houston Advanced Research Center (HARC)

IMAGING AND MONITORING

2:45 - 3:00 **Medical Imaging**

King Li, MD, FRCP
The Methodist Hospital

3:00 - 3:15 **Oil & Gas Imaging**

Bruce Verwest
Veritas DGC, Inc.

3:15 - 3:30 **Medical Image Computing**

Ioannis A. Kakadiaris, PhD
University of Houston

3:30 - 3:40 Discussion

3:40 - 3:55 **Patient Monitoring Online**

Faisal N. Masud, MD
Methodist DeBakey Heart Center

3:55 - 4:10 **Rapid Flow Stream Analysis**

Alan Schilowitz, PhD
ExxonMobil Research and Engineering Company

4:10 - 4:20 Discussion

4:20 - 4:35 **Staples, Glues and Stitches**

William E. Cohn, MD
Texas Heart Institute

4:35 - 4:50 **Multi-lateral Well Junctions**

Rustom Mody
Baker Hughes, Inc.

4:50 - 5:00 Discussion

5:00 - 6:00 **Social Hour and Reception**