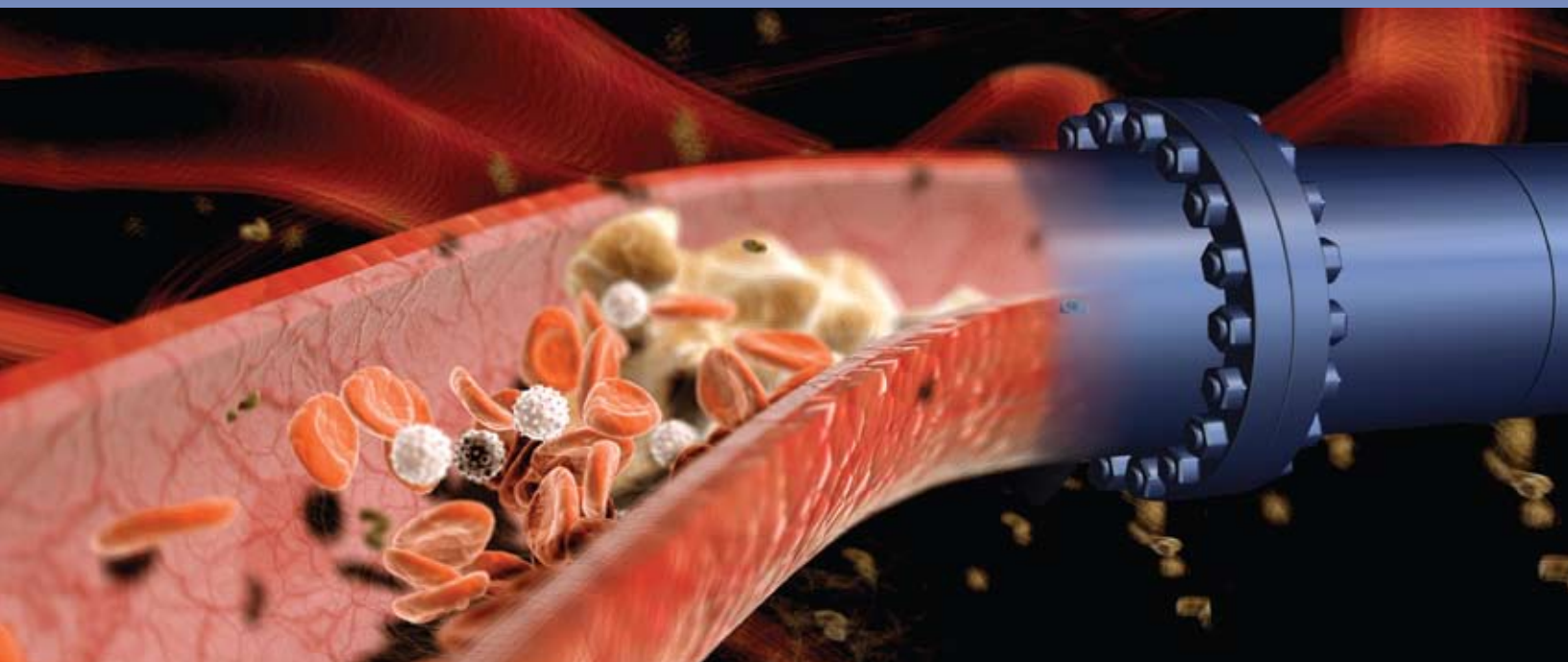


Pumps & Pipes 2: *The Other Guy's Toolkit*



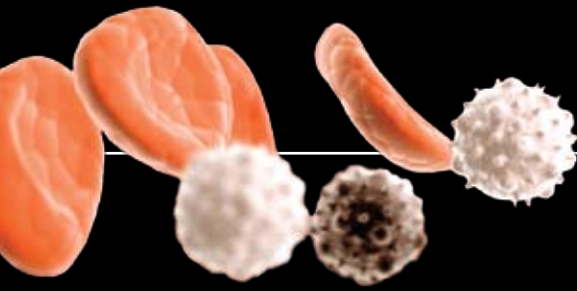
Monday, December 8, 2008

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

Methodist
DeBakey Heart
& Vascular Center



ExxonMobil



Pumps & Pipes 2: *The Other Guy's Toolkit*

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

7:30 - 8:00	<i>Registration and Breakfast</i>
8:00 - 8:15	Welcome Renu Khator, PhD University of Houston Chancellor
8:15 - 8:30	My Medical Toolkit Alan B. Lumsden, MD
8:30 - 8:45	My Oilfield Toolkit William E. Kline, PhD
8:45 - 9:00	My Engineering Toolkit Ioannis A. Kakadiaris, PhD
9:00 - 9:30	Oilfield Robotics Speaker: Rustom Mody Baker Hughes
9:30 - 10:00	Pipeline Robotic Connection Speaker: Kim Breaux Quality Connector Systems
10:00 - 10:30	Medical Robotics Speaker: Nikolaos Tsekos University of Houston
10:30 - 10:50	<i>Break</i>
10:50 - 11:10	Robot Assisted High Throughput Experimentation Speaker: Rakesh Jain Symyx
11:10 - 11:40	Use of Magnetics for Device Positioning Speaker: William Cohn, MD

Texas Heart Institute

11:40 - 12:00	Full Field Strain Mapping Speaker: John Tyson Trilion Optical Systems
12:00 - 1:00	<i>Lunch</i> Practical Development of Medical Robotics Speaker: Fred Moll, MD Hansen Medical
1:00 - 1:30	Inside Well Imaging Speaker: Steve Hansen Schlumberger Global Geology
1:30 - 2:00	Intravascular Imaging Catheters Speaker: Mark Davies, MD, PhD, MBA The Methodist Hospital
2:00 - 2:30	Mapping Surfaces at the Molecular Level Speaker: Dalia Yablou ExxonMobil
2:30 - 2:50	(Structural) Health Monitoring Using (Vibration) Signature Changes Speaker: David Zimmerman University of Houston
2:50 - 3:10	<i>Break</i>
3:10 - 3:30	Belief Networks Overview Speaker: Shishir Shah University of Houston
3:30 - 3:50	Belief Networks in Geoscience Speaker: Kurt Steffen ExxonMobil
3:50 - 4:10	Membranes and Filters Speaker: Osama Gaber, MD The Methodist Hospital
4:10 - 4:40	Nanomaterials: Present and Future Speaker: C. Vipulanandan University of Houston
4:40 - 5:00	Vision: Pumps & Pipes III and Beyond Speakers: Lumsden/Kline/Kakadiaris
5:00 - 6:30	Social Hour and Reception

