



SPE Colloquium on Petroleum Engineering Education

7–10 January 2008 • The Woodlands Resort & Conference Center • The Woodlands, Texas, USA

The Society of Petroleum Engineers and the Association of Heads of US Petroleum Engineering Schools invite you to participate in the 2008 SPE Colloquium on Petroleum Engineering Education. Important issues for the industry as it strives to obtain the high-quality professionals needed to conquer tomorrow's technical and social challenges will be discussed.

The Colloquium provides an opportunity for representatives from industry, government, and academia to work together to build a stronger educational experience for petroleum engineers, leading to meaningful contributions to the industry. Strong representation by industry (including members of university/industry advisory committees), petroleum engineering faculty, and government will promote concrete outcomes from the event.

OBJECTIVES

The Colloquium will serve to

- Develop a better joint understanding of the industry's training needs and how academia, in partnership with industry, the service sector, and government, can help fill those needs
- Assess the technical and personal qualifications required of graduate engineers to meet the industry's needs and how academia can prepare students to meet those qualifications
- Discuss the evolving roles of academia, industry, the service sector, government, and SPE in education
- Develop a proactive course of action to implement the findings and recommendations of the Colloquium
- Strengthen industry/education/government partnerships to develop the people and technology the industry will need in the 21st century

PARTICIPANTS

All those concerned with recruiting and developing petroleum engineers who are equipped to tackle the challenges facing the energy industry today and tomorrow will be interested in attending and contributing to the outcome of the Colloquium. The planning committee seeks equal representation from industry and educational institutions. Organizations are encouraged to send individuals with a range of industry and educational experience who will bring their perspectives and ideas on petroleum engineering education and lifelong learning to the discussion and to the plan for moving forward.

Monday, 7 January 2008

5–7 p.m. **Registration and Welcome Reception "Whine and Cheese"**

Tuesday, 8 January 2008

7:30 a.m. **Continental Breakfast**

8 a.m. **Welcome Keynote Speaker Lane Sloan—University of Houston, Former Director Global Energy Management Institute**
Coauthor, "Terra Incognita: A Navigation Aide for Energy Leaders"

9:15 a.m. **Session I—Sourcing E&P Manpower Needs and Other Issues of Importance**

This session will focus on conventional sources regarding challenges and solutions, along with creative sourcing options.

Noon **Lunch Keynote—Don Paul, Chevron, VP and Chief Technical Officer**

1:30 p.m. **Session II—Preparing Tomorrow's Petroleum Engineers... Today's Challenge**

What education do engineering professionals who will be doing petroleum engineering for the next 40 years really need?

4 p.m. **Innovation Workshop**

Petroleum Departmental Innovation Exercise

Utilizing selected questions from Gary Hamel's book "Leading the Revolution," combined with insights from the colloquium participants, to identify what opportunities are present for enhancing today's PE Education Industry.

5 p.m. **Dinner on own**

Wednesday, 9 January 2008

7:30 a.m. **Continental Breakfast**

8 a.m. **Welcome and Keynote**

Bill Pike, Editor-In-Chief, Hart's E&P Magazine

9 a.m. **Session III—Identifying the Key Challenges for Today's PE Departments**

Results from fall 2007 PE Dept. Industry Advisory Board Survey will be shared. The report will identify common items of importance.

10:45 a.m. **Session IV—Petroleum Engineering Competencies—Today vs. Tomorrow**

E&P Engineering Competencies

Noon **Lunch Keynote—Ford Brett, President, Petroskills**

1:30 p.m. **Session V—The future of Petroleum Engineering Departments**

Each department has a vision for 5 years in the future. What are the roadblocks to achieving that vision? What assistance can industry offer?

4 p.m. **Innovation within PE Education—Opportunities & Methodologies**

5 p.m. **Dinner on own**

Thursday, 10 January 2008

7:30 a.m. **Continental Breakfast**

8 a.m. **Welcome and Keynote**

Dr. Myles W. Scoggins, President Colorado School of Mines

9:15 a.m. **Session VI—Early Career Professionals**

How well does Petroleum Engineering education prepare young professionals for their career?

11 a.m. **Innovation Workshop Report Outs (Four groups—15 minutes each)**

Noon **Closing Luncheon/Wrap-up**

Lunch Keynote

Vik Rao, Halliburton, Sr. Vice President and CTO

1:30 p.m. **Colloquium Wrap-Up & Adjournment**

Friday, 11 January 2008

Optional Golf

Call +1.281.882.3000 to schedule a tee time and arrange payment.

Colloquium Planning Committee

C. Susan Howes

Cochairperson
Chevron
Corporation

Lloyd R. Heinze

Cochairperson
Texas Tech
University

Jon E. Olson

The University of
Texas Austin

Scott Heck
Hess

Ronald Hinn

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- Acknowledgement at the opening reception on 7 January 2008
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Ground Rules for Participants

- All whining will be confined to the Monday evening "Whine and Cheese" event.
- Goals include defining consensus on action items for both academia and industry.
- Discussion will be directed towards not only the issues but providing examples of best practices and solutions.
- Press will be invited, so be prepared to provide quotes for the local media.