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Rice University**

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Conflict Resolution
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Energy Studies
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Homeland Security and Terrorism
International Economics
Latin American Initiative
Public Diplomacy
Religion and Public Policy
Science and Technology Policy
Space Policy
Tax and Expenditure Policy
Technology, Society and Public Policy
The Transnational China Project
Women and Human Rights in the Middle East

Energy Forum

Located in Houston, Texas, the energy capital of the world, the James A. Baker III Institute for Public Policy has created a multifaceted program designed to promote original, forward-looking discussion and research on the energy-related challenges facing our society in the 21st century. The mission of the Energy Forum is to shed light on important trends—both regional and global—that shape the nature of global energy markets and influence the quantity and security of vital supplies needed to fuel world economic growth and prosperity. The choice of the word “forum” is deliberate. It reflects the group's goal to serve as a focal point for the exchange of ideas on how to improve understanding of the complex political, cultural, religious, economic and social forces that influence open access to energy resources and their equitable distribution.



**JAMES A. BAKER III
INSTITUTE FOR
PUBLIC POLICY
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energyforum

James A. Baker III Institute for Public Policy • Rice University

ExxonMobil

***Technology to Help Meet Germany's
Cleaner Energy Future***

Thursday, October 1, 2009

Kelly International Conference Facility

James A. Baker III Hall
Rice University

The Energy Forum
of the
James A. Baker III Institute for Public Policy
Rice University

Address

***Technology to Help Meet Germany's
Cleaner Energy Future***

by

His Excellency Christian Wulff

Prime Minister, Niedersachsen (Lower Saxony), Germany

Panel Discussion

Unconventional Gas: An Important Resource for the Future

Tim Cejka

President, ExxonMobil Exploration Company

Policy, Business and Technology: The Virtuous Cycle

Antonio Coutinho

Chief Energy Management Officer, Horizon Wind Energy

Challenges in Geothermal Well Bore Construction

Friedhelm Makohl

Vice President, Baker Hughes Inc., INTEQ

moderated by

Amy Myers Jaffe

Wallace S. Wilson Fellow in Energy Studies,
Baker Institute for Public Policy

Question and Answer Session

Thursday, October 1, 2009

2:00 pm

Reception to Follow

Kelly International Conference Facility

James A. Baker III Hall
Rice University

About the Event

Germany is increasingly recognizing the importance of domestic unconventional resources and renewable energy to enhance its energy security and reliability of supply. Lower Saxony takes a distinctive leadership role in the development of German domestic energy. One hundred and fifty years after the discovery of oil in Lower Saxony, the region provides more than 90 percent of Germany's domestic natural gas production and is a leader in the use of wind energy. This event will explore the potential for unconventional resources and renewable energy as part of Germany's future while focusing on Lower Saxony's important role as a center for research and development, as well as energy production and innovation.

This program is generously sponsored by ExxonMobil.

Participant Bios

Christian Wulff has been the prime minister of Lower Saxony, a state in northwestern Germany, since 2003; he is also a member of the Federal Council. Wulff had previously been a member of Parliament and chairman of the Christian Democratic Union (CDU) in Lower Saxony. From 1986 to 2001, he was a member of the Osnabrück City Council. Since 1998, he has served as deputy federal chairman of the CDU in Germany, and he has been chairman of the Conference of German Minister-Presidents. In addition to his political positions, he is a member of the supervisory board of Volkswagen AG and has received numerous awards, including an honorary doctorate from Tongji University in Shanghai. Wulff studied law with a specialization in economics at the University of Osnabrück.

Tim Cejka is president of ExxonMobil Exploration Company. He began his career with Exxon in 1975 as an exploration geophysicist mapping areas in the United States. He has served in various line management positions as well as strategic planning, as adviser to the upstream director for Exxon Corporation and as exploration adviser for Exxon's Dutch and German affiliates. He was vice president of Exxon Ventures (CIS) Company and traveled extensively in Azerbaijan, Kazakhstan, Russia and Turkmenistan. In 2001, Cejka became vice president for the Caspian/Middle East region at ExxonMobil Exploration Company, and later served as the executive vice president of ExxonMobil Exploration with responsibilities for exploration and geoscience in Europe, Africa, Middle East and the Caspian region.

Antonio Coutinho is chief energy management officer of Horizon Wind Energy, which he joined in July 2007. He is responsible for operation services (daily operation of the wind farms, reliability and original equipment manufacturer management); energy sales (origination and negotiation of power purchase agreements/hedges, market operations, portfolio and risk management); and asset management (performance analysis, contract and business management). Before joining Horizon, Coutinho worked at Energias de Portugal (EDP) as head of Energy Planning, where he was responsible for the group's portfolio planning in terms of prices, quantities, internal hedges and growth opportunities that result from market, technologies and regulations. Prior to working at EDP, he was a consultant for more than six years at Boston Consulting Group, where he developed his career in the energy sector. Coutinho holds a Bachelor of Science in civil engineering and a Master of Science in operations research from Instituto Superior Técnico in Lisbon, Portugal.

Friedhelm Makohl is vice president of Baker Hughes Inc., INTEQ, in Houston. He has worked for more than 30 years with Baker Hughes in various managerial positions. Previously, Makohl was in charge of drilling and formation, evaluation technology and product development at INTEQ. He led some first-in-the-industry new technology introductions, including automated steerable drilling systems. Makohl, whose background is in mechanical engineering, received a master's degree from the University of Hamburg, Germany.

Amy Myers Jaffe, a Princeton University graduate in Arabic studies, is the Wallace S. Wilson Fellow in Energy Studies and director of the Energy Forum at the Baker Institute, as well as associate director of the Rice Energy Program. Jaffe's research focuses on oil geopolitics, strategic energy policy including energy science policy, and energy economics. She is widely published and served as co-editor of "Energy in the Caspian Region: Present and Future" (Palgrave, 2002) and "Natural Gas and Geopolitics: From 1970 to 2040" (Cambridge University Press, 2006), and as co-author of "Oil, Dollars, Debt and Crises: The Global Curse of Black Gold" (forthcoming, Cambridge University Press).