

# center for **ENERGYSTUDIES**

Rice University's Baker Institute for Public Policy

## **Center for Energy Studies Summer 2016**

Summer usually brings with it a slower pace as students depart the university after final exams in May. At CES, we graduated two PhD students and welcomed two new students into the fold. During this transitional period that often characterizes summers at Rice, CES Fellows and Scholars remained very productive. Below is a recap of publications, conferences and other activities over the past three months. Consistent with the CES mission, we continue to strive to elevate conversations on various policy-related issues through data-driven analysis and research so that sound and balanced policy discourse can be realized.

We have a number of ongoing studies other research initiatives that will be central to various publications and events in the coming months. So, we hope to see you soon at the Baker Institute to join in the discussion.

Kenneth B. Medlock, III  
James A. Baker, III, and Susan G. Baker Fellow in Energy and Resource Economics  
Senior Director, Center for Energy Studies  
Director, Masters of Energy Economics Program

## **Reports/Articles/Books**

Francisco Monaldi, "[Latin America: The Potential for a Bright Future of the Oil Industry: The Flywheel will be a New Policy](#)," *OIL*, August 2016, 64-67.

Regina M. Buono, Anna Mikulska, Elsie Hung, and Kenneth B. Medlock III, "[From the 'What?' to the 'How?' in the Water-Energy Nexus](#)" (summary of a lecture by Diego Rodriguez, Baker Institute for Public Policy, July 2016).

Jim Krane, "[Climate Risk and the Fossil Fuel Industry: Two Feet High and Rising](#)" (working paper, Baker Institute for Public Policy, July 22, 2016).

Jim Krane, "[Energy and the State in the Middle East](#)," in *Delivering Energy Law and Policy in the E.U. and the U.S.: A Reader*, eds. Raphael Heffron and Gavin Little (Edinburgh, UK: Edinburgh University Press, July 2016).

Regina M. Buono, Katherine Zodrow, Qilin Li, and Pedro Alvarez, "[A New Frontier in Texas: Managing and Regulating Brackish Groundwater](#)," *Water Policy* 18, no. 3 (June 2016): 727-749.

Kenneth B. Medlock III, "[The Shale Revolution and Its Implications for the World Energy Market](#)," *IEEJ Energy Journal—50th Anniversary Special Issue*, June 2016.

## **Forbes Blog**

Jim Krane, "[Floods, Wildfires, Extreme Heat: Is the Climate Fighting Back Against the Fossil Fuel Industry?](#)," *Forbes Blog*, August 19, 2016.

Anna Mikulska and Michael D. Maher, "[Energy Market Transitions: Where Will the International Oil Companies \(IOCs\) Fit?](#)," *Forbes Blog*, July 21, 2016.

### **Conferences/Seminars**

Francisco Monaldi was a panel participant at a colloquium on Mexico's energy reforms held at the Haynes and Boone law firm on August 30, 2016, in Houston.

Ghasideh Pourhashem, "Reducing public health cost through agricultural soil application of biochar" (paper presented at the conference "Biochar 2016: The Synergy of Science and Industry," Corvallis, Oregon, August 22-25, 2016).

Ghasideh Pourhashem, "Biochar market tools to reduce the challenges of fertilized farms" (poster presentation at the conference "Biochar 2016: The Synergy of Science and Industry," Corvallis, Oregon, August 22-25, 2016).

Ted Temzelides, "Robust Energy Use and the Macroeconomy" (presentation at meetings of the European Econometric Society, Geneva, Switzerland, August 22-26, 2016).

Francisco Monaldi, "Oil, Politics and Economics in Venezuela" (presentation at the Instituto de Estudios Superiores de Administracion, Caracas, Venezuela, August 19, 2016).

Linda Capuano was the moderator and facilitator at a forum on produced water hosted by Oklahoma Gov. Mary Fallin. CES partnered with the Interstate Oil and Gas Compact Commission (IOGCC), Ground Water Protection Council (GWPC), and Natural Rural Water Association (NRWA) on this invitation-only event on August 18, 2016 in Oklahoma City.

Francisco Monaldi was a participant in panel discussion on "A New Oil Policy for Venezuela" at the Fundacion Juan German Roscio /Primero Justicia National Assembly Deputies in Caracas, Venezuela, on August 18, 2016.

Kenneth B. Medlock III, "LNG Market Outlook" (presentation at VMA Market Outlook Workshop, San Diego, California, August 11, 2016).

Peter Hartley, China LNG Training Program Lecture, "Introduction to the Global Gas Industry," Perth, Australia on August 8, 2016.

Ted Temzelides discussed projected gasoline demand in developing countries, especially in Asia, at meetings with the commodities division of the research department at the IMF in Washington, D.C., on August 8-11, 2016.

E. Vankov, S. Ikonnikova, G. Gulen, and K. Medlock, "Analyzing shale gas and oil well productivity: A statistical study of Eagle Ford shale oil play" (presentation at the Unconventional Resources Technology Conference, San Antonio, Texas, August 2, 2016).

Kenneth B. Medlock, "Energy in a Global Context" (presentation at the U.S. Department of State Foreign Service Officer Energy Education seminar, Houston, Texas, August 1, 2016).

Peter Hartley, Four invited lectures at Bandung Institute of Technology, Jakarta campus, "Energy Demand and the Economy", "Energy Supply and World Energy Markets", "LNG Markets: Recent History and Potential Developments" and "Long term Energy Market Developments" on July 27-28, 2016.

Peter Hartley, National Energy Council, Jakarta, IAEE Distinguished Lecturer talk, "Privatization with a focus on electricity market reform on July 26, 2016.

Kenneth B. Medlock III, "The Uncertain Energy Future: What Do the Fundamentals Tell Us?" (opening keynote address at the Rocky Mountain Mineral Law Foundation 62nd Annual International Institute, Squaw Valley, California, July 21, 2016).

Kenneth B. Medlock III, "The Future of Oil and Gas," (luncheon address, BHP Billiton Young Professionals Group, Houston, Texas, July 12, 2016).

Ted Temzelides, Bernardino Adao (Bank of Portugal), Borghan Narajabad (Federal Reserve Board), "Renewable Technology Adoption and the Macroeconomy" (joint presentation at meetings of the Society of Economic Dynamics hosted by the Toulouse School of Economics, Toulouse, France, June 30-July 3, 2016).

Francisco Monaldi gave an online presentation on the oil industry in Venezuela to around 30 Canadian government officials on June 30, 2016.

Kenneth B. Medlock III, "Navigating the Tides in an Uncertain Environment" (keynote address, Berkeley Research Group Energy Engagement Series, Houston, Texas, June 23, 2016).

Jim Krane, "Reconsidering the Influence of Energy on the Middle Eastern State" (working paper presented at the IAEE International Conference, Bergen, Norway, June 21, 2016).

Kenneth B. Medlock III, "An Uncertain Energy Future" (keynote address, Coronado Club members luncheon, Houston, Texas, June 20, 2016).

Kenneth B. Medlock III, "Is Natural Gas a Reliable Bridge to a Cleaner Energy Future?" (keynote address, Nonproliferation Policy Education Center (NPEC) dinner, Washington, D.C., June 7, 2016).

Regina Buono, "Trading Securities? A comparative study of water and energy trade-offs in the context of hydraulic fracturing in Texas and Spain (presentation at the "Understanding the Water-Energy-Food Nexus and its Implications for Governance" Scientific Forum, Osnabrück, Germany, June 2016).

### **Other External Meetings**

Peter Hartley received the Campbell Watkins Award for the Best Paper published in *Energy Journal*, 2015, Bergen, Norway on June 20, 2016.

Peter Hartley received an award for his term as President of the IAEE for 2015, Bergen, Norway on June 20, 2016.

Linda Capuano, a member of the Peak Reliability Board of Directors and the Reliability Coordinator for the Western Interconnection Bulk Electric System (which consists of 14 states, two Canadian provinces and portions of Baja, Mexico), attended board meetings in Reno, Nevada on June 8-9, 2016, and in Vancouver, Washington on July 20-21, 2016.

### **CES-Sponsored Conferences/Lectures**

Amos J Hochstein, Special Envoy and Coordinator for International Energy Affairs, Bureau of Energy Resources, U.S. Department of State joined us at the Baker Institute for a luncheon discussion of the geopolitics of energy and how the Obama administration is focusing efforts on energy diplomacy.

### **Teaching**

Linda Capuano is teaching "Operations Strategy" for the Executive MBA Program at Rice University's Jones Graduate School of Business for the Fall 2016 semester.

Jim Krane is teaching “Energy Policy” to undergraduates at Rice University for the Fall 2016 semester. Jim also taught “The Geopolitics of Energy” to Masters of Energy Economics students earlier this summer.

Kenneth B. Medlock III is teaching “Energy Economics I” to undergraduate and graduate students at Rice for the Fall 2016 semester.

Peter Hartley is teaching “The Microeconomics of the Energy Sector” to Masters of Energy Economics students at Rice University for the Fall 2016 semester. Peter is also teaching Macroeconomic Theory to doctoral students.

Francisco Monaldi taught “The Political Economy of Oil in Developing Countries” to Masters of Energy Economics students at Rice University earlier this summer.