

Advanced Resources International (ARI) is a professional services firm that provides geological, reservoir engineering, business and policy analysis and advice on a global basis related to unconventional gas resources, enhanced oil recovery and geologic carbon sequestration. Our quarterly update highlights current industry trends, ongoing and completed projects, recent publications, upcoming workshops and events, and company news. We encourage you to visit our website at [www.Adv-Res.com](http://www.Adv-Res.com) to learn more about our company history, research and technology activities, industry news and much more. You may also contact our offices listed at the bottom of this page for additional information.

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## Solutions and Technology for Our Energy and Climate Future



IADC group vice president/publisher Mike Killalea spoke with George Koperna, with Advanced Resources International and co-chairman of the SPE International Conference on CO2 Capture, Storage and Utilization (along with Tom Blasingame of Texas A&M University and Sally Benson of Stanford University), during the SPE Annual Technical Conference & Exhibition in New Orleans on October 6, 2009. Here they discuss the upcoming conference as well as the potential economic benefits to the drilling industry should carbon emissions be captured and beneficially used or stored as well as the scope for the upcoming meeting November 2-4, 2009 in San Diego, CA.

[Video Interview: Carbon Storage May Open New Frontier for Rigs](#)

## Southwest Regional Partnership - Phase II Annual Review Meeting



The annual SWP meeting was held September 29 - 30, 2009 in Socorro, New Mexico. ARI led the session on the Pump Canyon CO2 injection pilot in the late - Cretaceous Fruitland Coals of the San Juan Basin.

## Paradigm Shift in Domestic Natural Gas Resources, Supplies and Costs



Vello A. Kuuskraa, ARI President, prepared and presented this presentation to the EFI Gas-to-Market & Energy Conversion Forum Washington, D.C., September 21, 2009. His presentation discussed the recent dramatic shift in the domestic natural gas outlook from predictions of scarcity in domestic supply to one of a surplus production capacity. Reasons why this "paradigm shift" has occurred include undue concentration on the decline in "conventional" gas supplies, a lack of understanding offered by the "unconventional" resource base, and a dismissal of the benefits from progress in technology. The presentation concluded with a discussion of the outlook and challenges ahead for the domestic natural gas supply.

[Presentation](#)

## Challenges Facing Increased Production and Use of Domestic Natural Gas



Vello A. Kuuskraa, ARI President, prepared and presented this presentation to the Global Energy and Environment Initiative (GEEI), Paul H. Nitze School of Advanced International Studies, Johns Hopkins University, Washington, D.C., September 16, 2009. His presentation focused on a number of challenges which need to be met before the vast theoretical domestic gas potential resource can be converted to available and affordable natural gas production. These include building confidence in adequate and robust natural gas supplies, affordable future natural gas costs and prices, addressing the environmental barriers to greater natural gas development, and building demand for natural gas in a carbon constrained world.

[Presentation](#)

## 2009 Regional Corporate Service Award



September 15, 2009: Advanced Resources International was presented the 2009 Regional Corporate Service Award at the SPE National Capital Section's Luncheon. In an effort to acknowledge exemplary corporate service to SPE, the Society established the Regional Corporate Service Award. This Award is designed to recognize outstanding volunteer services to the society and the Northeastern North America Region. Advanced Resources is the third recipient of this award, following Schlumberger Data Consulting Services and Universal Well Services, and is being recognized for their contributions to the SPE International Board of Directors, the SPE Distinguished Lecturer Program, numerous international SPE Standing Committees and to the local National Capital Section.

## Coal-Seq Phase 3 has been selected for Award by U.S. Department of Energy (DOE)



The U.S. Department of Energy (DOE) announced on August 24, 2009 the selection of 19 projects to enhance the capability to simulate, track, and evaluate the potential risks of carbon dioxide (CO2) storage in geologic formations.

Advanced Resources International, Arlington, Va.-Advanced Resources International researchers will develop and test three advanced geochemical and geomechanical modules to increase accuracy of simulating CO2 behavior in coal, shale, and reservoirs and they will couple these with flow simulation. Coal storage factors such as coal failure and permeability enhancement, matrix swelling and shrinking, and competition of water as adsorbed phase on coals will be addressed.

[DOE Article](#)

## POSITIONS AVAILABLE



Advanced Resources is always seeking experienced, talented and energetic individuals to join our team in both our Washington (DC) and Houston (TX) offices. If you are a geoscientist, engineer, business or policy analyst, with knowledge in the areas of [unconventional gas \(coalbed methane - CBM, gas shales, tight sands\)](#), [enhanced oil recovery \(EOR\)](#), or [carbon sequestration \(CO2 sequestration\)](#), we would like to hear from you.

For more information please see our website for jobs available at [www.adv-res.com](http://www.adv-res.com) or submit your resume to Teresa Rhone at [trhone@adv-res.com](mailto:trhone@adv-res.com).

## UPCOMING EVENTS:

**November 2 - 4, 2009:** 2009 SPE International Conference on CO2 Capture, Storage, and Utilization being held at the Hyatt La Jolle in San Diego, CA  
<http://www.spe.org/events/co2/>



**November 17-18, 2009:** SPE Horizontal Well Stimulation Workshop being held at the Hilton Pittsburgh, Pittsburgh, PA. For further details please go to [www.spe.org/events/09apit/](http://www.spe.org/events/09apit/)

**December 7 - 11, 2009: CO2 Conference Week -**  
The 7th Annual EOR Carbon Management Workshop – Houston, TX, December 7-8, 2009 being held at the Omni Woodway, Four Riverway Drive, Houston, Texas  
The 15th Annual CO2 Flooding Conference – Midland Field Trip and Theme Sessions December 9-11, 2009 being held at the Midland Center, 117 N. Main, Midland, Texas  
<http://co2conference.net/>

For a complete list of industry news, recent white papers and case studies please visit our website [www.Adv-Res.com](http://www.Adv-Res.com) or contact one of our offices:

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