

Industry Meets Government: IMPACT ON ENERGY USE & DEVELOPMENT

“To keep on doing business, the modern company still needs a franchise from society, and the terms of that franchise still matter enormously.”

– John Micklethwait and Adrian Wooldridge, *The Company: A Short History of a Revolutionary Idea**

CONFERENCE OVERVIEW

As the global economy follows a precarious path to full recovery, the challenge of meeting growing energy needs in an increasingly volatile world with finite resources becomes ever more urgent. All parties—from governments and non-governmental organizations to energy producers and consumers—have a stake in fostering smarter energy development and use that minimizes adverse environment effects and consumer costs. The 32nd USAEE/IAEE North American Conference will address the issues, challenges, and opportunities of industry-government relations as the stakeholders strive to meet their respective goals for commerce and society.

Although private industry carries out most energy development, governments—charged with reflecting the broad spectrum of society’s values—create the context in which development occurs. Consequently, the relationship between industry and government is central to the question of how to promote energy development and use that is efficient and environmentally sound. Countries, states, provinces, and communities around the world seek to unlock their energy resource potential, encourage new technologies, and assure equitable distribution of benefits. Industry holds the necessary technical expertise and experience. Industry-government relations will be crucial in determining where and how the world’s energy resources are developed, and which products are brought to market at what price. That evolving relationship will influence everything from fiscal systems and consumer costs to climate change and environmental health.

Alaska is an appropriate setting for a conference addressing the issues, challenges, and opportunities of industry-government relations in energy use and development. As one of North America’s great energy producing regions, Alaska has a long history of dynamic industry-government relations. Alaska’s role in satisfying energy demand features prominently in energy policy debates both nationally and internationally. The conference will bring together energy researchers and practitioners to explore these themes through a series of plenary sessions, concurrent sessions, and a poster session. The conference will also provide networking opportunities through informal receptions, breaks between sessions, public outreach, and student recruitment. A selection of offsite tours will be offered to highlight Alaska’s uniquely beautiful environment as well as the state’s role in the North American energy supply chain.

TOPICS TO BE ADDRESSED INCLUDE:

Unconventional and Frontier Oil and Gas Development

- Oil and Gas Shale Development: Hydraulic Fracturing
- Heavy Oil and Oil Sands
- Arctic Opportunities and Challenges
- Oil Spill Prevention, Response, and Contingency
- Regulation of Offshore Development
- Ice-Breaking Tanker Technology

Petroleum Fiscal Regimes

- Oil and Gas Taxation and Investment Risk
- Balancing Government Take with International Competitiveness
- Fiscal Federalism and Revenue Sharing
- Petroleum Wealth Management

Natural Gas Supply and Demand

- Global, National, and Regional Gas Supply and Demand
- LNG Projects, Trade and Shipping
- Evolution of a Global Natural Gas Market

Global Petroleum Security and Prices

- OPEC Policies and Political Instabilities
- Strategic Oil Storage Policies
- Changing World Energy Supply/Demand Balance

Renewable Energy: Markets, Drivers, Economic Viability

- Renewable Portfolio Standards (RPS) and Market Penetration
- Economic and Environmental Assessment of Large Hydroelectric Projects
- Financing Renewable and Alternative Energy
- Trends in Wind and Solar Electric Generation
- Development of Geothermal, Tidal and Wave Resources

Electricity Generation and Distribution

- Electricity Pricing, Fuel Pricing and Policy
- Innovation in Distributed Generation and Storage
- Smart Metering and Smart Pricing
- Post-Fukushima Future of Nuclear Power
- Technology and Regulation for Isolated Electricity Systems

Climate Change and Environmental Issues

- Effects of Voluntary and Unilateral Mitigation Programs
- Impact of Drought on Hydroelectric Generation
- Emission Standards and Coal

Natural Gas – Bridge Fuel to More Natural Gas?

- Shale Gas Revolution and Water Issues
- LNG Trade
- Global Gas Contracts vs. Spot Market Trading
- Role of Gas in Meeting Renewable Portfolio Standard or CO₂ Emission Standards

Energy Efficiency

- Building Controls and Cost Allocation
- Energy Efficiency Rules for Government Sponsored Home Loans
- Motor Vehicle Efficiency Standards
- Energy Efficiency in Fishing, Forestry, and Ecotourism

Alternative Transportation Fuels and Vehicles

- Natural Gas Fuel (CNG & LPG)
- Ethanol and Biodiesel
- Electric and Hybrid Vehicles

Energy and the Economy

- Transmission Infrastructure for Distributed Electric Generation
- Economic Impact/Forecasting Models

Energy and Economic Development

- Energy Sustainability and Economic Growth
- Environmental Regulation in Developing Countries
- New Energy Technologies to Reduce Wealth Disparities
- Aluminum Smelting and Energy-Intensive Industries
- Access to Energy

Role of Government: Issues in Energy Regulation and Uncertainties

- Incentive Mechanisms, Subsidies
- Financial Regulations and their Impacts on Energy Trading
- Regulation of Pricing of Carbon Emissions: Impact on Energy Markets
- Environmental Regulation and Permitting
- Public Utility Price Regulation with Limited Buyers and Sellers

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CALL FOR ABSTRACTS

We are pleased to announce the Call for Abstracts for the 32nd USAEE/IAEE North American Conference, *Industry Meets Government: Impact on Energy Use and Development*, to be held July 28-31, 2013, at the Hotel Captain Cook, Anchorage, Alaska, USA. **The deadline for receipt of abstracts is Thursday, February 21, 2013.**

Abstracts will be accepted for Concurrent Sessions and a Poster Session.

Concurrent Sessions

1) Reports on Current Research

This Category provides a forum for the presentation and discussion of papers that describe an analysis that has either been completed or substantially revised by the author since the last USAEE Annual Conference.

Abstract Format

Authors wishing to make presentations at the conference under this category will submit an abstract that describes, briefly, a research project that is of significance within the field of energy economics and of general interest to the membership at large.

The abstract must be no more than two pages in length and must include each of the following sections:

- Overview (summary of the topic, background, and significance) A concise statement of the research problem including its background and the extent of its significance (e.g. locally, regionally, globally),
- Methodology,
- Results,
- Conclusions,
- References.

Please note that the abstract must discuss work that is completed or very near completion. The abstract is not intended to be the proposition of a research topic that the author intends to study in detail only after the abstract Committee has accepted the topic. Those interested in organizing a complete concurrent session on current research should propose a topic and possible speakers to Matt Berman, Concurrent Session Co-chair (matthew.berman@uaa.alaska.edu).

Please visit www.usaee.org/USAEE2013/PaperAbstractTemplate.doc to download an abstract template. All abstracts must conform to the format structure outlined in the abstract template. Abstracts submitted in other formats will not be processed. Abstracts must be submitted online by visiting www.usaee.org/USAEE2013/submissions.aspx. Abstracts submitted by e-mail or in hard copy will not be processed. **The deadline for receipt of abstracts for both the Concurrent Sessions and the Poster Session is Thursday, February 21, 2013.**

2) Reports on Case Studies of Applied Energy Economics

This Category provides a forum for non-academics to present and discuss professional activities in the field of energy economics that have been undertaken by the author since the last USAEE Annual Conference. Case studies conducted by students and/or faculty members as part of academic research should be reported in the "Current Research" category (above).

Abstract Format

Authors wishing to make presentations at the conference under this category will submit an abstract that describes, briefly, an issue, problem or other challenge within the field of energy economics that is of interest to the Association's membership and that the author has addressed by personal, professional involvement (e.g. field work, research and/or analysis)

The abstract must be no more than two pages in length and must include each of the following sections:

- Overview of the topic including its background and the extent of its significance (e.g. locally, regionally, globally) and a statement of the author's responsibility in addressing the matter.
- Methodology: How the matter was addressed
- Results: Outcome of the actions used to address the matter.
- Conclusions: Lessons learned, and next steps.

Please note that the abstract is not intended to be the proposition of either a "Desk Study" or an activity that the author intends to undertake only after the Abstract Committee has accepted the topic. Those interested in organizing a complete concurrent session on case study reports should propose a topic and possible speakers to Mina Dioun, Concurrent Session Co-chair (mdioun@diounenergy.com).

While presentations in this category are intended to facilitate the sharing of professional experiences and lessons learned, presentations that overtly advertise or promote proprietary products and/or services are unacceptable. Those who wish to distribute promotional literature and/or have exhibit space at the Conference are invited to avail themselves of sponsorship opportunities – please see www.usaee.org/usaee2013/sponsors.html.

Please visit www.usaee.org/USAEE2013/CasesAbstractTemplate.doc to download an abstract template. All abstracts must conform to the format structure outlined in the abstract template. Abstracts submitted in other formats will not be processed. Abstracts must be submitted online by visiting www.usaee.org/USAEE2013/submissions.aspx. Abstracts submitted by e-mail or in hard copy will not be processed. **The deadline for receipt of abstracts for both the Concurrent Sessions and the Poster Session is Thursday, February 21, 2013.**

Poster Session

At this event, participants will be able to present their current research or case studies to all interested conference delegates in a specially designed open networking environment. Abstracts for the poster session must be submitted by the regular abstract deadline and must be relevant to the conference theme.

The Poster Session is to be used to display current research or case studies and is not to be a medium for promotion of professional goods or services.

Poster presenters whose abstracts are accepted should submit a final version of the poster electronically (in pdf format) by May 31, 2013 for publication in the online conference proceedings. Posters for actual presentation at the conference must be brought directly to the conference venue and must be in ANSI E size (34in. wide x 44in. high) in portrait orientation.

At least one author of an accepted paper or poster must pay the registration fees and attend the conference to present the paper or poster. The corresponding author submitting the abstract must provide complete contact details—mailing address, phone, fax, e-mail, etc. Authors will be notified by April 12, 2013, of the status of their presentation or poster. Authors whose abstracts are accepted will have until May 31, 2013, to submit their final papers or posters for publication in the online conference proceedings. While multiple submissions by individuals or groups of authors are welcome, the abstract selection process will seek to ensure as broad participation as possible: each author may present only one paper or one poster in the conference. No author should submit more than one abstract as its single author. If multiple submissions are accepted, then a different author will be required to pay the registration fee and present each paper or poster. Otherwise, authors will be contacted and asked to drop one or more paper(s) or poster(s) for presentation.

STUDENTS

In addition to the above opportunities to submit abstracts, students may submit a paper for consideration in the Dennis J. O'Brien USAEE/IAEE Best Student Paper Award Competition (cash prizes plus waiver of conference registration fees). The paper submission has different requirements and a different deadline. The deadline for submitting a paper for the Student Paper Awards is March 25, 2013. Visit www.usaee.org/usaee2013/paperawards.html for full details.

Students are especially encouraged to participate in the Poster Session. Posters and their presentations will be judged by an academic panel and a cash prize (minimum \$500; up to \$1,000 at judges' discretion) will be awarded to the student(s) with the best poster presentation.

Students may also inquire about our scholarships covering conference registration fees. Visit www.usaee.org/usaee2013/students.html for full details.