

# Energy in a World of Changing Costs and Technologies

YPSILANTI MARRIOTT at EAGLE CREST | ANN ARBOR, MICHIGAN - USA



## ANN ARBOR PROGRAM ANNOUNCEMENT & CALL FOR PAPERS

### CONFERENCE OBJECTIVE

The conference will take science and technology policies as a point of departure for an in depth look at energy challenges in a world of changing costs and technologies. Specific topics include: transportation (vehicle technologies and fuels); electricity markets and technologies for an efficient, low carbon future; oil and natural gas market security and reliability and economic development and energy poverty. The plenary session themes have been selected to reflect the key policy challenges and uncertainties for the North America and global energy economy, concurrent sessions will expand on these themes.

The conference will provide an opportunity to learn more about future trends in the transportation sector, the major driver of global oil demand. The venue will provide ample space for technology exhibits and occasion for networking and competitive activities — intellectual and sporting.

### WHO SHOULD ATTEND?

Energy Company Executives and Managers

Energy Policy Analysts

Governmental Employees in Energy Resource Planning

Academics Specializing in Energy Policy and Analysis

Electricity Pricing and Market Analysts

Energy Consultants

Energy Company Planners

Economic Energy Risk and Derivatives Specialists

Oil and Natural Gas Executives

Energy Rate Executives

Electric and Utility Supervisors

Energy Environmental Analysts

Geologists and Engineers

Environmentalists

Energy Journalists

### CONFERENCE COMMITTEE

#### GENERAL CONFERENCE CHAIR

David Nissen, *Columbia University*

#### CONFERENCE CO-CHAIRS

Lynne Kiesling, *IFREE*

Thomas O'Donnell, *University of Michigan*

#### CONCURRENT SESSION CHAIR

Omowumi Iledare, *LSU Center for Energy Studies*

#### PROGRAM COMMITTEE

Shirley Neff, *CEMTPP, Columbia University, USAEE President*

Gurcan Gulen, *Center for Energy Economics, USAEE Vice President, Conferences*

Jean-Thomas Bernard, *University Laval*

Joe Dukert, *Energy Analyst*

Hill Huntington, *Stanford University*

John Jimison, *USCHPA*

Peter Nance, *Teknecon Energy Risk Advisors LLC*  
Charles Rossman, *Southern Company*

#### ARRANGEMENTS CHAIR

David Williams, *USAEE Executive Director*

#### CONFERENCE MANAGEMENT COMPANY

Administrative Management Services, Inc.

### SUPPORTED BY



### SPONSORED BY



## CALL FOR PAPERS: ABSTRACT DEADLINE APRIL 28, 2006

## CALL FOR PAPERS &amp; CONFERENCE STRUCTURE

This year we have chosen plenary session themes that we believe reflect the key policy challenges and uncertainties for North America in the global energy economy. We would like the concurrent sessions to expand on these themes, and are actively soliciting papers that address the suggested bullet points. Papers on other topic ideas are, of course, welcome, and anyone interested in organizing a session should propose the topic and possible speakers to: Wumi Iledare, Concurrent Session Chair, [wumi@lsu.edu](mailto:wumi@lsu.edu), (p) 225-578-4552 (f) 225-578-4541

## TRANSPORTATION &amp; FUELS

Transportation –  
Vehicle Technologies

- Evolution of technology
- Hybrids, diesel, fuel cells
- Company strategies and outlook
- Fuel economy – market or regulation driven

## Future Trends In Transportation

- Urban transportation policies
- Developing and emerging market strategies
- Unconventional supplies and advanced fuels

Oil Market –  
Security and Reliability

- OPEC capacity and price targeting
- Strategic and commercial policy for reliability
- Emerging roles of China and India
- National oil company strategies
- Impact of EITI and local content policies

## ELECTRICITY &amp; FUELS

Electricity Investment, Reliability,  
and Environmental Effects

- Market design policy evolution in the USA
- Capacity markets? – reliability, financing
- Europe – what do “national champions” mean for efficient competition?
- Developing markets? – lessons of liberalization and privatization

Regulatory vs. Market Economics:  
Which Really Maximizes Electric  
Utility Consumer Benefits?

- Market pricing allocates food, clothing and shelter—why not electricity?
- Do technical factors in energy utility services defy competitive market economics?
- Is unbundling “wires” from “energy” necessary? Is it sufficient? Is there a “natural monopoly” on the “wires”?
- Two fundamentally different ways of setting prices, supply and demand - how do they compare from the electric ratepayer’s perspective?

Crunch Time for North American  
Natural Gas: 2007 - 2012

- North American markets
- Arctic natural gas
- LNG infrastructure
- Evolution of global gas markets

Energy, Economic Development &  
Energy Poverty

- Transition from traditional biomass to modern energy services: policies, technologies
- Urban versus rural energy poverty alleviation
- Centralized, large-scale projects versus decentralized, micro-scale, locally-owned projects
- Investment needs: development aid, project financing, micro financing, cooperatives
- Energy sector governance and building local capacity: transparency, institutions, public education and participation

## Science &amp; Technology Policy

- Basic research and commercialization strategies for vehicle technologies, electricity generation, and carbon sequestration
- S&T policy to realize “learning by doing” and diffusion externalities

## SUBMITTING ABSTRACTS:

*Please include a short CV when submitting your abstract.* Abstracts for papers should be between one to two paragraphs (no longer than one page), giving a concise overview of the topic to be covered. At least one author from an accepted paper must pay the registration fees and attend the conference to present the paper. The lead author submitting the abstract must provide complete contact details - mailing address, phone, fax, e-mail, etc. Authors will be notified by June 2, 2006, of their paper status. Authors whose abstracts are accepted will have until August 4, 2006, to return their papers for publication in the 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 speaker is to present only one paper in the conference. No author should submit more than one abstract as its single author. If multiple submissions are accepted, then a different co-author will be required to pay the reduced registration fee and present each paper. Otherwise, authors will be contacted and asked to drop one or more paper(s) for presentation.

## EMAIL, FAX, OR MAIL TO:

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E-mail: [usaee@usaee.org](mailto:usaee@usaee.org)

## CONFERENCE PROGRAM

## SUNDAY, SEPTEMBER 24

## REGISTRATION

3:00 pm – 6:30 pm

## OPENING RECEPTION

5:30 pm – 6:30 pm

## MONDAY, SEPTEMBER 25

## REGISTRATION

7:30 am – 5:00 pm

## CONTINENTAL BREAKFAST

7:30 am – 8:30 am

Sponsored by: **BP, Plc**

## STUDENT SCHOLARSHIP MEETING

7:30 am – 8:30 am

## WELCOME &amp; INTRODUCTION

8:30 am – 8:45 am

**Shirley Neff** (*Presiding*)CEMTPP, Columbia University  
*President, USAEE***David Nissen**

Columbia University, School of Int'l &amp; Public Affairs

**Lynne Kiesling**Center for Applied Energy Research, International  
Foundation for Research in Experimental Economics**Tom O'Donnell**University of Michigan, *Lecturer*

## KEYNOTE/PLENARY SESSION:

Science and Technology Policy

8:45 am – 10:15 am

**Rosina Bierbaum** (*Presiding*)

University of Michigan

## PANEL:

**Klaus Lackner**Columbia University, Department of Earth and  
Environmental Engineering**James Duderstadt**

University of Michigan, Nuclear Engineering Department

## COFFEE BREAK

10:15 am – 10:45 am

Sponsored by: **Aramco Services Co.**

## DUAL PLENARY SESSION:

Electricity Investment, Reliability,

and Environmental Effects

10:45 am – 12:15 pm

**Lynne Kiesling** (*Presiding*)Center for Applied Energy Research  
International Foundation for Research in  
Experimental Economics (IFREE)**Thomas Lyon**

University of Michigan, Ross Business School

**Ron McNamara**

Midwest ISO

**William Hogan**

Harvard University, Kennedy School of Government

## DUAL PLENARY SESSION:

Transportation – Vehicle Technologies

10:45 am – 12:15 pm

**Vijay V. Vaitheeswaran** (*Presiding*)

The Economist

**Reginald Modlin** (*Invited*)

DaimlerChrysler

**David Hermance** (*Invited*)

Toyota

**Brian McCormick** (*Invited*)

TPI

## USAEE AWARDS LUNCHEON

12:15 am – 2:00 pm

• USAEE Adelman/Frankel Award

• USAEE Senoir Fellow Awards

## CONCURRENT SESSIONS: 1 to 6

2:00 pm – 3:30 pm

## COFFEE BREAK

3:30 pm to 4:00 pm

## CONCURRENT SESSIONS: 7 to 12

4:00 pm – 5:30 pm

## USAEE CHAPTER LEADERSHIP MEETING

5:00 pm – 6:00 pm

## CONFERENCE RECEPTION

6:15 pm – 7:00 pm

## DINNER

7:00 pm – 9:30 pm

• Wellington IAEE International Conference Presentation

• Houston USAEE/IAEE North American  
Conference Presentation

## TUESDAY, SEPTEMBER 26

## HOUSTON CONFERENCE PLANNING

MEETING BREAKFAST

7:30 am – 8:30 am • Boardroom

## DUAL PLENARY SESSION:

Regulatory vs. Market Economics: Which Really  
Maximizes Electric Utility Consumer Benefits?

8:30 am – 10:00 am

**John Jimison** (*Presiding*)

US Combined Heat and Power Association

**Ken Costello** (*Tentatively Accepted*)

Regulatory Research Institute

**Wayne Shirley** (*Tentatively Accepted*)

Regulatory Assistance Project

**John Jurewitz** (*Invited*)

Southern California Edison

**William B. Marcus** (*Invited*)

JBS Energy, Inc.

## DUAL PLENARY SESSION:

Future trends in transportation

8:30 am – 10:00 am

**Tom O'Donnell** (*Presiding*)

Lecturer, University of Michigan

*Speakers TBA*

## COFFEE BREAK

10:00 am – 10:30 am

## CONCURRENT SESSIONS: 13 to 18

10:30 am – 12:00 noon

## LUNCHEON

12:00 noon – 2:00 pm

## DUAL PLENARY SESSION:

Crunch Time for North American

Natural Gas: 2007 - 2012

2:00 pm – 3:30 pm

**Joe Dukert** (*Presiding*)

Energy Analyst

**David MacInnis**

Canadian Energy Pipeline Association

**Armando Jimenez San Vicente**

State of Aguascalientes

**Ben Schlesinger**

BSA, Inc

**Adam E. Sieminski** (*To Be Confirmed*)

Deutsche Bank AG

## DUAL PLENARY SESSION:

Energy, Economic Development &amp; Energy Poverty

2:00 pm – 3:30 pm

**Gurcan Gulen** (*Presiding*)

CEE-BEG, University of Texas

**Kevin Warr**

US Agency for International Development

**Stephen B. Morisseau**

Globeleq

## COFFEE BREAK

3:30 pm – 4:00 pm

## CONCURRENT SESSIONS: 19 to 24

4:00 pm – 5:30 pm

## USAEE GENERAL MEMBERSHIP MEETING

5:30 pm – 6:15 pm

## NETWORKING DINNER

6:30 pm – 9:00 pm

## WEDNESDAY, SEPTEMBER 27

## REGISTRATION

7:30 am – 12:15 pm

## CONCURRENT SESSIONS: 25 to 30

8:30 am – 10:00 am

## COFFEE BREAK

10:00 am – 10:30 am • Lounge/Reception

## PLENARY SESSION:

Oil Market-Security and Reliability

10:30 am – 12:00 noon • Auditorium 1

**David Knapp** (*Presiding*)

Energy Intelligence Group

**Mark Finley**

BP plc

**David Nissen**

Columbia University, School of Int'l &amp; Public Affairs

**Jean-Pierre Favennec**

Directeur Centre Eco and Gestion, IFP-ENSPM

## CLOSING REMARKS

12:00 noon – 12:15 pm

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YPSILANTI MARRIOTT at EAGLE CREST | ANN ARBOR, MICHIGAN - USA



## CONFERENCE LOGISTICS & STUDENT OPPORTUNITIES

### REGISTRATION

Both online and print registration forms can be found on the conference website at: [www.usaee.org/USAEE2006/online/registration.aspx](http://www.usaee.org/USAEE2006/online/registration.aspx)

### ACCOMMODATIONS

The Ypsilanti Marriott at Eagle Crest, our conference venue, is set among a resort-like setting overlooking scenic Ford Lake edged with walking trails. It's also the only hotel in the area that offers an 18-hole championship golf course with GPS system. We have a special room block at the following rates per night: Single/Double Room – \$139.00.

Details about accommodations and transportation can be found on the conference website at: [www.usaee.org/USAEE2006/accommodations.html](http://www.usaee.org/USAEE2006/accommodations.html)

*USAEE is grateful to the following organizations for their support of the Student Scholarship fund:*

**ConocoPhillips** **ExxonMobil**



### STUDENT PAPER AWARDS

USAEE is pleased to offer a new awards program for student papers on energy economics. The awards will consist of a cash prize of \$500 plus a waiver of conference registration fees (a value of \$355) for the 26<sup>th</sup> USAEE/IAEE North American Conference, September 24-27, 2006. Up to 10 awards may be given. In order to receive the award and the cash prize, the student must attend the conference and present the paper. One paper will be selected at the conference as the *Best* paper and will receive a total cash award of \$1000 (in addition to the waiver of the conference fees). To be eligible for consideration for the USAEE Student Paper Award competition, follow the guidelines available on the conference website at: [www.usaee.org/USAEE2006/paperawards.html](http://www.usaee.org/USAEE2006/paperawards.html)

Four of the recipients of the USAEE Student Paper Award will be invited to participate in a special session the first day of the conference. The judges for the session will decide which paper receives the *Best* Student Paper Award based on the presentation and the written paper. An award ceremony will recognize all of the students' work later in the conference. Please note that all travel (ground/air, etc.) and hotel accommodations, meal costs in addition to conference-provided meals, etc., will be the responsibility of the award recipients.

Complete applications should be submitted electronically to the USAEE Headquarters office ([usaee@usaee.org](mailto:usaee@usaee.org)) no later than **June 30, 2006**, for consideration.

### STUDENT SCHOLARSHIPS

USAEE is offering a limited number of student scholarships to the 26<sup>th</sup> USAEE/IAEE North American Conference.

USAEE scholarship funds will be used only to cover conference registration fees for the 26<sup>th</sup> USAEE/IAEE North American Conference. All travel (air/ground, etc.) and hotel accommodations, meal costs in addition to conference-provided meals, etc. will be the responsibility of each individual recipient of scholarship funds.

To be eligible for consideration for the USAEE Student Scholarships, follow the guidelines available on the conference website at: [www.usaee.org/USAEE2006/student/scholarshipcriteria.html](http://www.usaee.org/USAEE2006/student/scholarshipcriteria.html)

USAEE 26<sup>th</sup> Annual North American Conference  
September 24-27, 2006 | Ann Arbor, Michigan - USA

USAEE Conference Headquarters  
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