



# CAFES

Conference on the Assessment  
of Future Energy Systems



... an ISEEE national conference on transforming energy systems

## November 3 & 4, 2011 – The Westin Hotel, Calgary, AB

Energy systems\* are under pressure to transform, yet no consensus exists about the goal, the path, the rate, the cost or the benefits.

Strong voices from all sides paralyze political will, yet choices on how best to transform Canada's energy system will impact both the environment and the economy that we enjoy and then pass to future generations.

Join us as we explore the insights and tools needed to assess the costs, benefits and tradeoffs associated with the technologies and policies that will guide the next energy system transformation.

A visionary consensus requires diverse perspectives. Bring your perspective to CAFES!



### REGISTER NOW!

RATES	Before Oct. 14	After Oct. 14
Regular	\$450	\$600
NGO	\$200	\$250
Students	\$125	\$150

<http://www.iseee.ca/cafes>

### CAFES Advisory Committee:

- **Kirk Andries**, Climate Change Emissions Mgmt Corp
- **Stan Blade**, AB Innovates - Bio Solutions
- **Marc D'Iorio**, Natural Resources Canada
- **Eddy Isaacs**, AB Innovates - Energy & Env. Sol'ns
- **John Hankins**, Calgary Economic Development
- **Michael Hoffman**, WhatIF? Technologies Inc.
- **Peter Howard**, Canadian Energy Research Institute
- **Paul Hunt**, Enbridge Inc.
- **Doug James**, Energy Futures Network
- **David Keith**, Harvard University and ISEEE
- **Simon Knight**, C3
- **David Layzell**, ISEEE (Chair)
- **Elaine McCoy**, Senator
- **Bob Mitchell**, ConocoPhillips Canada
- **Bob Oliver**, Pollution Probe
- **Robert Savage**, Alberta Environment
- **Sam Shaw**, Encana Corporation
- **Bob Taylor**, Energy Futures Network
- **Peter Tertzakian**, ARC Financial Corp.
- **Ralph Torrie**, Trottier Energy Futures Project
- **Peter Wallis**, Van Horne Institute.
- **Ed Wittingham**, The Pembina Institute

\* **Energy system:** The network of energy flows and technologies that link the various sources of energy, through the carriers (fuels, electricity) to the services that energy provides (heat, transportation, communication). It also includes the costs and benefits of the infrastructure, technologies, policies and personal choices that make the energy system function as it does.





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## Preliminary Program & Symposium Speakers

November 3 & 4, 2011

The Westin Calgary – 320 4<sup>th</sup> Avenue S.W., Calgary, AB

Time	DAY 1 - November 3	DAY 2 - November 4
Morning	Registration & Breakfast	Breakfast
	Welcome & Opening Comments	 <b>D. Sustainable Cities: From Urban Design to New Fuels</b> <i>Peter Droege</i> University of Liechtenstein  <b>Esteban Chornet</b> Enerkem Inc.
	 <b>A. Learning from Past Energy System Transformations</b> <i>Arnulf Grubler</i> Int. Inst. for Appl. Systems Analysis (Austria)	
	Break	Break
	 <b>B. Managing Carbon Emissions from Fossil Fuels</b> <i>David Keith</i> Harvard University (USA)	 <b>E. Sustainable Electricity = Sustainable Energy Future</b> <i>Walt Patterson</i> Chatham House (UK)
Lunch	Lunch	
Afternoon	 <b>Lunch Speaker.</b> <i>Gordon Lambert</i> Suncor Energy	 <b>Lunch Speaker. Energy: Part of the Bigger System Called Sustainability</b> <i>Alan Knight</i> Single Planet Living (UK)
	Break	Break
	 <b>C. Natural Gas: Transitional or Foundational Fuel for the Future?</b> <i>Michael Economides</i> University of Houston (USA)  <b>Tim Weis</b> The Pembina Institute	 <b>F. Mapping the Energy / Environment Future</b> <i>Ralph Torrie</i> Trottier Energy Futures Project
	Networking Opportunity & Poster Session	Wrap-up
Reception & Banquet Dinner	 Preceding and complementing CAFES is the <u>Global Clean Energy Congress &amp; Exhibition</u> (Nov 1-3, 2011). This event's focus is on clean energy technologies, whereas the CAFES meeting explores the challenges, opportunities and strategies for an energy system transformation. Come to both!	
 <b>A Western Canadian Perspective on Energy System Transformations</b> <i>Peter Tertzakian</i> ARC Financial Corp.		