

# Energy Transition and Policy Challenges

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2013  
**IAEE**  
36th International Conference

**June 16–20**  
Daegu, Korea



Bulguksa Temple (UNESCO World Heritage)



Hahoe Mask Dance



Daegu City

[www.iaee2013daegu.org](http://www.iaee2013daegu.org)

## Conference Overview

<b>Title</b>	The 36 <sup>th</sup> Annual IAEE International Conference
<b>Date</b>	June 16(Sunday) – 20(Thursday), 2013
<b>Venue</b>	EXCO (Daegu Exhibition and Convention Center), Daegu, Korea
<b>Theme</b>	Energy Transition and Policy Challenges
<b>Homepage</b>	www.iaee2013daegu.org
<b>Organized By</b>	Korea Resource Economics Association (KREA) Korea Energy Economics Institute (KEEI)
<b>Important Dates</b>	- Abstract Submission Deadline : January 31, 2013 - Notification of Accepted Abstracts : March 8, 2013 - Early Registration Deadline : March 31, 2013 - Full Paper Submission Deadline : April 12, 2013
<b>Contact Information</b>	- For General Enquiries about the Conference : general @iaee2013daegu.org - Regarding Registration or Visa Applications : registration @iaee2013daegu.org - Regarding Abstract Submission and Session Topic Proposal : program @iaee2013daegu.org

## Program

Date	Program
<b>Sunday, June 16<sup>th</sup></b>	<ul style="list-style-type: none"> <li>• IAEE Council Meeting</li> <li>• Welcome Reception</li> <li>• Council Dinner (Invitation Only)</li> </ul>
<b>Monday, June 17<sup>th</sup></b>	<ul style="list-style-type: none"> <li>• Concurrent Sessions (1)</li> <li>• Opening Ceremony</li> <li>• Keynote / Plenary Session</li> <li>• Lunch</li> <li>• Dual Plenary Session (1,2)</li> <li>• Concurrent Sessions (2)</li> <li>• Dinner &amp; Awards Ceremony</li> </ul>
<b>Tuesday, June 18<sup>th</sup></b>	<ul style="list-style-type: none"> <li>• Concurrent Sessions (3)</li> <li>• Dual Plenary Session (3,4)</li> <li>• Lunch</li> <li>• Dual Plenary Session (5,6)</li> <li>• Concurrent Sessions (4)</li> <li>• Cultural Event (Sponsored by Daegu City)</li> </ul>
<b>Wednesday, June 19<sup>th</sup></b>	<ul style="list-style-type: none"> <li>• Concurrent Sessions (5)</li> <li>• Concurrent Sessions (6)</li> <li>• Lunch</li> <li>• Conference Closing Plenary Session</li> </ul>
<b>Thursday, June 20<sup>th</sup></b>	<ul style="list-style-type: none"> <li>• Tour 1 : UNESCO World Heritage Tour (Andong Hahoe Village, Gyeongju City, Hainsa Temple)</li> <li>• Tour 2 : Daegu City Tour (Daegu Downtown Modern Alley, Yangnyeongsi Oriental Medicine Cultural Center)</li> <li>• Tour 3 : Industrial Tour (POSCO, Hyundai Heavy Industries Co., Ltd., KOGAS)</li> </ul>

※ Please note that this program is tentative and subject to change.

## Invitation to Daegu, Korea

We are pleased to invite all IAEE members to the 36<sup>th</sup> IAEE International Conference which will be held at Daegu Exhibition and Convention Center (EXCO) in Daegu, Korea on June 16~20, 2013. Our theme is "Energy Transition and Policy Challenges." The conference will address the full range of energy issues that may be expected to be commanding the attention of industry, academics, analysts and policy-makers. Proposed topics of the plenary sessions will include:

- Energy Challenges and Global & Regional Cooperation
- North-East Asia: China, Japan, Korea, Russia, Taiwan and North Korea
- Climate Change and Policy Challenges
- Unconventional Oil and Gas: Technology and Perspectives
- Renewable Energy and Smart Energy Systems
- Urban Energy Systems
- Realizing the Potential of Energy Efficiency
- Electricity Market Reform
- Role of Government and Government Corporations in Energy Sector

*Hoesung Lee*  
*General Conference Chair*

## Call for Papers (Concurrent Sessions)

Authors wishing to make oral presentations at the 36<sup>th</sup> IAEE International Conference at Daegu, Korea, must submit an abstract in PDF format, maximum 2 pages in length, via conference website([www.iaee2013daegu.org](http://www.iaee2013daegu.org)) or e-mail to the Program Committee ([program@iaee2013daegu.org](mailto:program@iaee2013daegu.org)). **The deadline for abstract submission is January 31, 2013.**

Abstract should cover Overview, Methods, Expected results and Implications and References. To encourage participations from government agencies and energy-related industries, we add another type of presentation, '**Government and Industry Studies,**' in addition to the usual type '**Current Research.**' 'Government and Industry Studies' type is for those who want to share current activities and case studies from industry and government sectors.

Authors will be asked to choose between two types of presentations: 'Current Research' and 'Government and Industry Studies,' when you submit your abstract via conference website. If you choose to send your abstract via e-mail, please indicate your type in the abstract. Authors who are interested in organizing other sessions are encouraged to propose their topics and possible speakers to the Program Committee([program@iaee2013daegu.org](mailto:program@iaee2013daegu.org)).

## Key Dates

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- **Abstract submission Deadline : January 31, 2013**

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- **Notification of accepted abstracts : March 8, 2013**

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- **Full paper submission Deadline : April 12, 2013**

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# Concurrent Session Topics

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## **A Energy Cooperation**

- Global Cooperation
- Regional & Inter-regional Cooperation
- Super-Grid
- Role of International Energy Institutes and Agencies
- FTA and Energy Cooperation
- Energy Cooperation among North-East Asian Countries
- Energy Issues of North Korea

## **B Energy Transition**

- Structural Changes in Energy Supply and Demand
- Transition towards Low Carbon Options
- Centralized v.s. Distributed
- Government's Role on Energy Transition

## **C Climate Change and Policy Challenges**

- Carbon Trading Markets and Carbon Pricing
- Technology Options
- Government's Role on Climate Change
- GHG Emission Limitation Regime
- Financing Low-Carbon Economy

## **D Smart Energy Systems**

- Economics of Smart Grid
- Smart Metering
- Energy Storage Options
- Fusion of Energy and IT Technologies
- Designing Urban Energy Systems
- Electricity Vehicles and Smart Grid

## **E Electricity**

- Electricity Markets and Prices
- Impact of Shale Gas to Power Generation and its policy
- Role of Nuclear Power
- Industrial Structure of Electricity Industry
- Transmission and Distribution
- R&D and Emerging Technologies

## **F Conventional and Unconventional Gas**

- Economics of Shale Gas
- Future Perspectives of Unconventional Gas
- Decoupling and Regionalization of Natural Gas Prices
- Natural Gas Development Issues
- Trading and Shipping/Pipeline of Natural Gas

## **G Global Petroleum Supply and Market Efficiency**

- Volatility of International Petroleum Prices
- Role of Strategic Oil Reserve
- Market Efficiency Issues
- Petroleum as a material
- Unconventional Oil and its Future

## **H Future of Coal**

- Forecasting Price and New Demand for Coal
- Utilization of Low-quality Coal
- Technology options including Gasification, IGCC and CTL
- Economics of CCS Options

## **I Renewable Energy; Markets, Drivers and Technology**

- Government's Role for Promoting Renewable Energy
- Technology Innovation and Grid-Parity
- Intermittence Problems and Economic Solutions
- FIT and RPS
- Financing Renewable Energy

## **J Energy and Material Efficiency**

- Potential of Energy Efficiency
- Energy Efficiency and Conservation
- Material Efficiency Measures
- Integrated System Efficiency

## **K Energy Entrepreneurship**

- Business Portfolio
- Risk Management
- Management Strategy
- Human Resource Development
- Market Power
- Global Leadership and CSR

## **L Energy Policy and Planning**

- National and Regional Energy Planning
- Tax and Tariff
- Energy R&D Policy
- Energy Resource Development Policy
- Fuel Changes in Transportation Sector

## **M Energy Modeling**

- Energy Data, Modeling, and Analysis
- Modeling Technology Development
- Analysis on Energy Market and Industry
- Integrated Energy System Modeling

## **N Energy and Economy**

- Sustainable Development
- Energy Poverty and Economic Development
- Access to Energy
- Reform of Energy Intensive Industries

## Registration

The registration fee includes admission to all sessions, conference documentation, daily lunches, welcome reception at EXCO, awards dinner at the Hotel Inter-Burgo EXCO, and cultural events at Daegu Hyanggyo (Confucian Academy). All documents and name badge can be obtained from the on-site conference secretariat, open for the duration of the conference. Online registration for the 36th Annual IAEE International Conference will be open in January 2013. A confirmation will be sent upon receipt of payment.

	Early (until March 31, 2013)	Late & On-site
Speakers/chairpersons/Discussants (Members)	650 USD	750 USD
Speakers/chairpersons/Discussants (Non-members)	730 USD	830 USD
IAEE Members	850 USD	950 USD
Non-Members	1,000 USD	1,100 USD
Full-Time Students	400 USD	450 USD
Guests (Spouse/Accompanying person)	300 USD	350 USD

## Students

IAEE is pleased to announce its 2013 Best Student Paper Award. A top prize of US\$1000 will be given for the best paper in energy economics. Three runner-up prizes of US\$500 each will also be given. All four winners will receive a waiver of registration fees to the Daegu 2013 International Conference on June 16-20, 2013.

Students may submit a paper for consideration in the Awards. To be considered for the IAEE Best Student Paper Award, please follow the guidelines in Daegu Conference website ([www.iaee2013daegu.org](http://www.iaee2013daegu.org)). You must be a full-time student and a member of IAEE in good standing. The paper submission has different requirements and a different deadline. The deadline for submitting a paper for the Student Paper Awards is March 8, 2013.

Also, students may submit an abstract for the regular concurrent sessions. The deadline for concurrent session abstract submission is January 31, 2013.

Students may also inquire about our scholarships covering conference registration fees. The Daegu 2013 conference organizers are offering a limited number of registration fee scholarships to offset the conference registration costs only to students who will be presenting a paper at the conference. All travel and accommodation costs associated with attending the conference are the responsibility of the recipient.

Students who do not receive a fee scholarship may still attend the conference at the reduced student registration rate. In order to qualify for the student rate, please submit a letter stating that you are a full-time student and are not employed full-time. Please visit Daegu Conference website ([www.iaee2013daegu.org](http://www.iaee2013daegu.org)) for full details.

## Tour Program



The city of Daegu, where the 2013 IAEE International Conference will be held, is a place leading to numerous cultural heritages and tourist spots with excellent transportation network. We prepare several tour programs for participants of the conference.

First, exclusive pre-tour programs such as 1-day tour to visit the UNESCO World Heritage Sites near Daegu will be offered for participants who arrive early to Daegu (from 15th to 16th of June).

During the conference (from 17th to 19th), half-day tour programs to visit the inner-city of Daegu and its vicinity as well as walking tour to visit downtown heritage and oriental medicine market will be offered for both our delegates and accompanying persons.

Technical tours are scheduled on Thursday (20th of June) for all the participants, including tours to visit UNESCO World Heritage Sites, Daegu old downtown areas as well as industrial complex areas such as POSCO, Hyundai Heavy Industries Co., Ltd., and KOGAS.

And finally, for those who wish to prolong their time in Korea, other tour programs will be also offered to delegates. Unforgettable tours such as the tour of DMZ; the most heavily militarized border in the world, and visiting of Jeju island; the most well-known natural tourist attraction in Korea, are just two of the exciting tour sites you can choose to enjoy and explore.

You may find it very interesting to visit Daegu's old downtown areas. The Modern Cultural Alley, which was selected as the 'Star of Korea Tour, 2012', will provide you with a great opportunity to feel the taste of Daegu's modern culture. As you walk along the streets of downtown Daegu, you will find a charming mix of architecture in which history borders modernity. For example, when you visit Yangnyeongsi Oriental Medicine Cultural Center and Oriental Market, you can experience 350-year history of oriental medicine and 500 herbal medicinal items.

Daegu is surrounded by six UNESCO World Heritages. Tour programs will be arranged to have participants feel and experience history of Korea. Andong Hahoe Village is one of the famous UNESCO World Heritages tour spots since Queen Elizabeth II and the former U.S. President George Bush visited the place. Hahoe is the village where the members of Ryu family which originated from Hahoe village have lived together for 600 years. Visitors can see how people, especially the upper-class, lived in those times as well as the beautiful natural scenery created by the Nakdonggang River. Gyeongju also gives visitors the experience to enjoy the glorious rich culture of Korea's past. Gyeongju had been the capital of the Silla Kingdom for 1,000 years, and the valley in which the capital was situated has a great concentration of historical building, temples and artifacts. The city

has developed into a major cultural center in Korea with various historical sites and cultural assets.

You can easily sign up for any of the tour programs through our conference registration website or on-site tour desk at EXCO, our conference venue, during the conference. All of our tour programs are prepared in cooperation with Daegu Conventions & Visitors Bureau. For more information about tour programs, please visit our Daegu IAEE International Conference website at [www.iaee2013daegu.org](http://www.iaee2013daegu.org).



## Travel Document

All international delegates to the 36th IAEE International conference are urged to contact their respective consulate, embassy or travel agent regarding the necessity of obtaining a visa for entry into the Korea. If you need a letter of invitation to attend the conference, contact the secretariat of the Conference with an email request to [registration@iaee2013daegu.com](mailto:registration@iaee2013daegu.com). The Conference strongly suggests that you allow plenty of time for processing these documents.

International visitors from over 51 countries are allowed to visit for short term tourism or business purposes for up to 1 month. Please ensure you are eligible for a Visitor Visa by visiting the website of the Ministry of foreign affairs and trade; <http://www.mofat.go.kr/ENG/visa/application> prior to your departure. Allow a minimum of 4-6 weeks for your visa to be processed if applicable.

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