

18-20 May 2017

HAAEE

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HELLENIC
ASSOCIATION for
ENERGY ECONOMICS

**The landscape in the new era
of energy transition:**

Challenges, investment opportunities
and technological innovations

Metropolitan Hotel Athens, Greece



2nd HAAEE ENERGY CONFERENCE CALL FOR PAPERS

"The landscape in the new era of energy transition: challenges, investment opportunities and technological innovations"

18 – 20 May 2017, Metropolitan Hotel, Athens, Greece

haee2017.eventsadmin.com

*Extended abstract submission deadline: **February 15, 2017***

Conference Overview and Objectives

The **HAAEE**- Hellenic Association for Energy Economics (Greek affiliate of the IAEE - The International Association for Energy Economics) is organizing the 2nd HAAEE Energy Conference that will take place in Athens, Greece, between 18 and 20 May 2017, and will focus on challenging energy, economic and environmental issues. The Conference aims at providing an international forum for the exchange of ideas, research results, and experiences among experts and professionals engaged in academic, business, government, national and international organizations, working in all areas related to energy, environment and economy.

It is an undeniable fact that we are witnessing a new evolving era in the global energy scenery. This non-stable situation poses serious questions, challenges and opportunities for countries, industries, professionals and academics. Apart from globally oriented concerns, the Conference will focus on the European energy sector which should constantly adopt to such uncertain environments as for example the South-Eastern European region, which is a very sensitive area due to continuously changing geopolitical and social

conditions.

Which are currently and which should be in the future the main energy priorities (globally or for the EU)? Which are the major political actions and initiatives that should be taken the following years? How can the oil and gas price dynamics and expectations interfere with global or regional energy policy decisions? How can regional energy security be assured while in the same time local geopolitics are constantly changing? Does the South-Eastern EU region have the potential to host important energy related infrastructures and networks? Which is the anticipated diffusion potential of renewable energy projects under the existing status of low energy prices? Which are the necessary actions in order to balance between energy security, reduction of environmental implications and social prosperity? Will shipping and aviation play an important role in the transportation and consumption of energy?

Answers to these and many other questions will be sought during the academic and industry oriented sessions of the Conference. Athens is ideal for this conference as it is strategically located, allowing it to have an important role for conventional and renewable energy related policies in this era. In addition, Athens is the ideal location for the Conference as it combines unique ancient monuments, museums and scenery, all these in a modern and vivid city in the Mediterranean shores with lots of social and cultural activities. Thus the Conference will provide a unique opportunity exchange of academic knowledge, for networking and enhancing communication amongst all participants.

Opening Keynote Address

Ricardo Raineri Bernain, IAEE President Elect 2016; Professor at Pontifical Catholic University of Chile; fmr Energy Minister of Chile.

Keynote Speakers

Samuele Furfari, Adviser to the General Director of DG Energy, European Commission; Professor at the Free University of Brussels.

Michael Jefferson, Editor, Energy Policy; Affiliate Professor at ESCP Europe Business School; Senior Fellow, Department of Economics and International Studies, University of Buckingham; fmr Chief Economist, Shell.

Soteris Kalogirou, Editor-in-Chief, Renewable Energy Journal; Professor at the Department of Mechanical Engineering and Materials Sciences and Engineering of the Cyprus University of Technology, Limassol, Cyprus.

James Smith, Co-editor, The Energy Journal; President-elect of the United States Association for Energy Economics; Cary M. Maguire Chair of Oil and Gas Management, Edwin L. Cox School of Business, Southern Methodist University, Dallas.

Concurrent Sessions

Concurrent sessions will be organized based on the accepted abstracts and will be divided to the following three categories:

1. Academic research related to energy, environment and economy
2. Case studies involving applied energy, environmental and economic issues
3. Industry oriented cases

All sessions and presentations are intended to facilitate the sharing of both academic and professional experiences and exchange best practices and lessons learned.

Proposed Topics

- How can countries prepare for the new era of global energy transition
- Challenges, investment opportunities and technological innovations in the energy sector
- Policies and measures towards a Europe Energy Roadmap to 2050
- Global and EU climate policy and emission trading schemes
- Mitigation and adaptation measures for global and regional environmental challenges
- Regional geopolitical uncertainty and challenges in gas supply and transportation
- Will alternative fuels (such as CNG, LNG, hydrogen, etc.) help swift from the traditional hydrocarbon fuels in the transportation sector?
- LNG and shale gas: security of supply and potential market developments
- Industrial sector: challenges for the transition to a low-carbon economy
- New perspectives for energy markets
- Fluctuation of energy prices and their impact on regional policies
- Regional energy supply and security
- Energy related smart grids and their efficient management
- Decentralized energy production and grid management
- Decentralized networks: anticipated fact or future faux
- Energy efficiency and storage: facilities and energy security
- Technological innovation in energy storage
- Smart energy and environmental sensing
- Smart cities and their role to emerging energy technologies and consumers' behavior
- Energy efficiency in buildings: EU and regional approaches
- Renewables and their potential for the East Med region
- Green transportation: how will environmental compliance lead to increased costs
- Ports and airports as energy hubs and prosumers
- Development & deployment of electric vehicles fleet
- Electric or green vehicles?
- Environmental laws and barriers for their enforcement

Key Dates and Deadlines

Abstract submission (~~extended~~): ~~January 15, 2017~~ **February 15, 2017**

Notification of abstract acceptance: ~~January 31, 2017~~ February 24, 2017

Submission of full papers: March 31, 2017

Registration Fees

Participants	Before 1 March 2017	After 1 March 2017
Speaker/Chairman (Member of IAEE)	400 €	450 €
Speaker/Chairman (Non-member of IAEE)	450 €	500 €
Delegate (Member of IAEE)	500 €	550 €
Delegate Non-Member (Non-member of IAEE)	600 €	650 €
Full-time Student (Member of IAEE) (see http://www.iaee.org/en/students/definition.aspx)	200 €	250 €
Full-time Student (Non-member of IAEE) (see http://www.iaee.org/en/students/definition.aspx)	250 €	300 €
Young Professionals (Member of IAEE) (see http://www.iaee.org/en/students/yp.aspx)	200 €	250 €
Young Professionals (Non-member of IAEE) (see http://www.iaee.org/en/students/yp.aspx)	250 €	300 €

Only the presenting author of a paper will be eligible to the reduced registration fee of € 400 for IAEE members and € 450 for non-members. In case the co-authors would like to participate in the conference they must register as delegates and pay the corresponding fee of € 500 (IAEE members) or € 550 (non-members). Each author cannot present more than one paper. Withdrawal requests after April 1st will be charged a non-refundable administrative fee of 150 Euro. Cancellations received after April 15 will not be refunded.

Students are especially encouraged to participate and may attend the conference at the reduced student registration rate. In addition students may submit a paper for consideration in the Best Paper award Competition (cash price plus waiver of conference registration fee). Students are also welcome to participate in the Poster Session.

Abstract Format

Submitted abstracts should be no more than two pages in length, comprising **i.** overview, **ii.** methodological approach, **iii.** results, **iv.** discussion and conclusions.

Although multiple submissions by individuals or groups of authors are welcome, in case that multiple submissions are accepted, a different co-author will be required to pay the speaker registration fee and present the paper. Submission of full paper is not obligatory unless the author(s) intend to participate to the proposed publication options.

Paper Publication

Publication of selected Conference articles in academic journals will be investigated (i.e. Renewable Energy, Energy Policy, Energy Systems).

Conference Chairs

Kostas Andriosopoulos, President of HAEE; ESCP Europe Business School, RCEM, UK

Spiros Papaefthimiou, Vice President of HAEE, Technical University of Crete, Greece

Scientific Committee

Chair: Emiliios Galariotis, HAEE Board Member; Audencia Business School, Institute of Finance, France

Kostas Andriosopoulos, ESCP Europe Business School, Research Centre for Energy Management (RCEM), UK

Ioannis Bakouros, University of Western Macedonia, Greece

Simona Bigerna, University of Perugia, Italy

Carlo Andrea Bollino, AIEE and University of Perugia, Italy

Michael Doumpos, Technical University of Crete, Greece

Georg Erdmann, Technical University of Berlin, Germany

Jean-Michel Glachant, Florence School of Regulation, European University Institute in Florence, Italy

Iordanis Kalaitzoglou, Audencia Business School, Nantes, France

Dimitris Karamanis, University of Patras, Greece

Michael Konsolakis, Technical University of Crete, Greece

Kyriaki Kosmidou, Aristotle University of Thessaloniki, Greece

Gürkan Kumbaroğlu, International Association for Energy Economics, Boğaziçi University, Turkey

George Leftheriotis, University of Patras, Greece

Sofoklis Makridis, University of Patras, Greece

Georgia Makridou, ESCP Europe Business School, Research Centre for Energy Management (RCEM), UK

George Marnellos, University of Western Macedonia, Greece

Kenichi Matsumoto, Nagasaki University, Japan

Constantin Mellios, University of Paris 1 Panthéon-Sorbonne, France

Yiouli Mihalakakou, University of Patras, Greece

Kazunori Nakajima, University of Hyogo, Japan

Georgios Papaefthymiou, Delft University, Netherlands

Paolo Polinori, University degli Studi di Perugia, Italy

Rafaella Sotiropoulou, University of Western Macedonia, Greece

Manolis Souliotis, University of Western Macedonia, Greece

Spyros Spyrou, Athens University of Economics & Business, Greece

Silvana Stefani, University Bicocca, Italy

Nikolaos Thomaidis, University of Thessaloniki, Greece

Stelios Tsafarakis, Technical University of Crete, Greece

Constantin Zopounidis, Technical University of Crete, Greece

Programme Committee

Chair: Kyriaki Kosmidou, HAEE Board Member; Aristotle University of Thessaloniki, Greece

Georgia Makridou, ESCP Europe Business School, Research Centre for Energy Management (RCEM), UK

Emilios Galariotis, Audencia Business School, Nantes, France

Spyros Spyrou, Athens University of Economics & Business, Greece

Michael Doumpos, Technical University of Crete, Greece

Manolis Souliotis, University of Western Macedonia, Greece

Conference Venue



The Metropolitan Hotel in Athens, with its unique cosmopolitan flair, is one of the most elegant hotels in Athens which combines warm hospitality and urban luxury, in the vibrant city of Athens. Overlooking both the Acropolis and the Saronic Gulf, the hotel is situated in front of the Olympic coastal park and opposite the Stavros Niarchos Foundation Cultural Centre, (to be completed by the end of 2016). It is a 15 minute drive from Constitution Square, the city centre, and from the Piraeus port from which all cruise ships sail and adjacent to one of the world's largest and

most technologically advanced digital Planetarium, part of the Eugenides Foundation. The Metropolitan hotel is ideally suited to leisure, business or cultural travelers, all year round in a city that never sleeps!

Hotel Accommodation

A list of hotels at special rates in areas well connected to the conference venue, as well as to the center of the city, will be available on the conference website.

Conference Secretariat

Georgia Makridou, ESCP Europe Business School, Research Centre for Energy Management (RCEM), UK

E-mail: haee2017@haee.gr

Conference Programme at a Glance

Thursday - May 18, 2017

08.30 **Coffee Break and Registration**

09.30 **Opening and Welcome address**

Kostas Andriosopoulos, President, HAEE

Ricardo Raineri Bernain, IAEE President Elect 2016 (frm Minister of Energy, Chile)

Giorgos Stathakis*, Minister of Environment and Energy (Greece)

- **Round Table Discussions**
- **Concurrent Sessions**
- **Keynote address: James Smith**, Co-editor, The Energy Journal

Title: Sheikhs vs. Shale: What's next for OPEC?

17.30-20.00 **Global Sustain, Yearbook 2016/17 Presentation, "The Energy Revolution"**

20:00 **Cocktail Reception**

Friday – May 19, 2017

09.30 **Opening of the 2nd day and Keynote address**

Sokratis Famellos, Alternate Minister of Energy and Environment

- **Round Table Discussions**
- **Keynote address: Soteris Kalogirou**, Editor-in-Chief, Renewable Energy Journal
Title: Renewable Energy Systems: Current Status, Prospects and Hot Research Areas

- **Concurrent Sessions**

- **Keynote addresses:**

Samuele Furfari, Adviser to the General Director of DG Energy, European Commission; Professor, Free University of Brussels

George Kremlis, Head of the "Cohesion Policy and Environmental Impact Assessments" Unit in the Directorate-General for the Environment of the European Commission

20:00 **Conference Dinner and Award Ceremony**

- **Keynote Address: Pantelis Kapros**, Professor of Division of Electric Power, School of Electrical and Computer Engineering

Saturday – May 20, 2017

09.30-10.15 **Opening of the 3rd day and Keynote address**

Michael Jefferson, Editor, Energy Policy

Title: The landscape ahead: Slow uphill progress?

- **Concurrent Sessions**

13.30 **End of Conference**

Round Table Discussions

1. The landscape in the new era of energy transition: challenges, investment opportunities and technological innovations
2. Oil & Gas Exploration and Development in East Med
3. Challenges for the European energy markets
4. What should the optimal energy mix be to address the trilemma issue?
5. The role of distribution in the new energy era
6. Investing in the energy transition
7. Integration of RES in the energy markets
8. Gas outlook in Europe: a focus on the South East border
9. Energy efficiency in business and industry - barriers, opportunities, policy targeting and financing