

in cooperation with

SDA Bocconi
SCHOOL OF MANAGEMENT

SUSTAINABILITY LAB



5th AIEE Energy Symposium

Current and Future Challenges to Energy Security

- energy perspectives beyond COVID19 -

VIRTUAL CONFERENCE

15-17 December, 2020

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Dear Energy Colleague,

The **Italian Association of Energy Economists - AIEE**, affiliate of the **International Association for Energy Economics - IAEE**, is organizing the **5th AIEE Energy Symposium on Energy Security - 2020**, in cooperation with the **SDA Bocconi School of Management**, of Milan, programmed also this year for **mid December**.

There is still uncertainty regarding travelling around the world, social distancing and possibility to attend the event physically, so, this edition of the AIEE Energy Symposium will be organized as a **virtual conference**, online.

The **AIEE Energy Symposium on Energy Security** has become an important yearly appointment and an opportunity to discuss energy security, to explore new and existing trends, creative solutions of new technologies, the emergence of new market conditions and of new market operators.

An appointment we do not want to miss!

In the turmoil of the COVID19 pandemic outbreak the "ordinary" practices of our daily work routines had to change considerably and this year we had to rethink the structure of our conference and make it virtual. In our uncertain world of travel budget cuts and possible pandemics return when health officials recommend against large gatherings of people, hosting a virtual event is an excellent alternative.

A recent survey conducted in the European Union has confirmed a general consensus of all countries to support the efforts to strengthen energy security. Nine out of 10 Europeans agree the EU's energy policy priorities should be to ensure secure, clean, and affordable energy, to combat climate change, decreasing energy consumption across the EU and facilitating more competitive prices for consumers.

For the coming 10 years the main priority is investing and developing clean energy technologies, ensuring that costs are as low

as possible and stepping up international efforts to reduce climate change.

After the crisis of COVID-19, energy security will remain an important issue of the world energy policy and the key for a more resilient society. The pandemic has set in motion the largest drop in global energy investment in history, with spending expected to plunge in every major sector this year – from electricity to renewables and energy efficiency.

The overall share of global energy spending that goes to clean energy technologies – including renewables, efficiency, carbon capture, utilization and storage – has been stuck at around one-third in recent years. Power sector spending is on course to decrease by 10% in 2020, with worrying signals for the development of more secure and sustainable power systems. Energy efficiency, a central pillar of clean energy transitions, is suffering too. Estimated investment in efficiency and end-use applications is set to fall by an estimated 10–15%. The slowdown in spending on key clean energy technologies also risks undermining the much-needed transition to more sustainable energy systems.

The **AIEE Symposium** will be a forum to discuss all these problems, continuing the dialogue of the past editions analyzing the transformations of the concept of energy security in this new context.

A comprehensive program, with Plenary sessions and keynote presentations, and several concurrent sessions will give the attendees from all over the world the occasion to participate in an interactive, collaborative networking and information-sharing event, in the prestigious context of the **SDA Bocconi School of Management** (that was ranked 3rd in the 2019 Financial Times' European Business School Ranking and 8th in the world for business and management studies).

Carlo Di Primio, AIEE President

Conference objectives

Recent events have added elements of uncertainty in the already complex evolution of the energy situation in the world and in Europe in particular. Security of supply, geopolitical aspects and environmental problems are once more at the forefront.

The Conference aims at providing a forum for an analysis of the new developments and a new vision of the future framework for energy security and will try to define the energy priorities for the next years and the action to be taken.

Organization

ORGANIZATION COMMITTEE CHAIR: CARLO DI PRIMIO, President, AIEE, Italy

GENERAL CONFERENCE CHAIR: CARLO ANDREA BOLLINO, Professor University of Perugia, Honorary President, AIEE, Italy

PROGRAMME COMMITTEE CHAIR: MATTEO DI CASTELNUOVO, Associate Professor, Director of the Master in Green Management, Energy and Corporate Social Responsibility (MaGER)

SCIENTIFIC COMMITTEE CHAIR: AGIME GERBETI, President AIEE Scientific Committee, Italy

Organization and Coordination: ANKA SERBU, External Relations & Communication, AIEE, Italy

Registration fees

Participants	before October 20		after October 20	
Speaker/Chair IAEE Member	€	280	€	330
Speaker/Chair Non-Member	€	380	€	430
Delegate IAEE Member	€	200	€	250
Delegate Non-Member	€	290	€	320
Student IAEE Member	€	120	€	150
Student Non-Member	€	170	€	210



SDA Bocconi is one of the highest-ranked schools of management in the world and a trailblazer in European business education.

The challenges imposed globally by COVID-19 have turned the face-to-face events program into a multifaceted series of virtual meetings, assuring its ongoing presence throughout the crisis and providing its students with customized information and support.

The SDA Bocconi while duly respecting all the safety rules put in place by the authorities, has not stopped its program during the Covid-19 emergency. Moving online classes and semi-

nars as well as adapting teaching and exam methodologies. Always preserving the aim for excellence, the sense of cozy community.

Conference Programme

Our event will have the same structure because we want the **Virtual Conference** to feel as much like an in-person event as possible.

We offer a **comprehensive** program, with **Plenary sessions** and keynote presentations, and several **concurrent sessions**. These include traditional presentations, lightning talks, discussions, and interacting.

We solicit presentation through a **Call for papers**, just as in-person previous conferences.

We offer **reduced group registrations** for institutions who wanted to sign up 5 or more attendees.

Live chat questions and answers with the presenters during their sessions and real-time conversations among participants. The speakers can present their slides and attendees can ask questions about the topic.

Virtual conferences might lack the intimacy of a physical gathering, but they democratize access offering the attendees the possibility to connect with each other providing an interactive, collaborative networking, information-sharing and mainly the same benefits as on-site events with less cost and less risk.

The shift to online gatherings is part of a larger trend in reimagining experiences centered on human interaction at a time when large gatherings are mostly banned.

(UTC +1 - Central European Time (CET) - ITALY)

Tuesday - December 15, 2020
15:30-17:00 **Opening Welcome Address**

Wednesday - December 16, 2020

09.00 -10.30 1st cycle of concurrent sessions - 4 virtual rooms
(virtual parallel sessions 1-4 of 1h.30' each)

10.30 -11.30 **Dual Plenary Sessions** (2 virtual rooms)

*EU towards 2030 and the energy security concerns
Regulation of energy markets
(2 virtual plenary sessions of 1h each)*

11.30 -13.00 2nd cycle of concurrent sessions - 4 virtual rooms
(virtual parallel sessions 5-8 of 1h.30' each)

13.00 -14.00 **Break**

14.00 -15.30 **Dual Plenary Sessions** (2 virtual rooms)

*Energy industry challenges to a low-carbon economy, the gas role in the transition
Sustainable mobility challenges for the transition targets
(2 virtual plenary sessions of 1h.30 each)*

15.30 -17.00 3rd cycle of concurrent session - 4 virtual rooms
(virtual parallel sessions 9-12 of 1h.30' each)

Thursday - December 17, 2020

09.00 -10.30 4th cycle of concurrent sessions - 4 virtual rooms
(virtual parallel sessions 13-16 of 1h.30' each)

10.30 -11.30 **Dual Plenary Sessions** (2 virtual rooms)

*Grid security and new technologies
Energy Efficiency and the future strategies of the energy industry
(2 virtual plenary sessions of 1h each)*

11.30 -13.00 5th cycle of concurrent sessions - 4 virtual rooms
(virtual parallel sessions 17-20 of 1h.30' each)

13.00 -14.00 **Break**

14.00 -15.30 6th cycle of concurrent session - 4 virtual rooms
(virtual parallel sessions 21-24 of 1h.30' each)

Conference Closing

The structure of the program might be subject to some changes, according to the number of abstracts received and technical peculiarities of the platform that will support the event

Call for Abstracts

Abstract submission deadline extended to October 15, 2020

Concurrent sessions will be organized from accepted abstracts. Authors may be encouraged by the Programme Committee to organize specific sessions. Submitted abstracts should be of one or two pages in length, comprising (1) overview, (2) methods, (3) results and (4) conclusions.

The authors that submitted within the deadline of **September 10**, will be notified about of their admission status by **September 25**. The result of the submissions within **October 15**, will be notified by **October 30**.

While multiple submissions by individual or groups of authors are welcome, the abstract selection process will seek to ensure as broad participation as possible: each speaker is to deliver only one presentation in the conference.

The submission of the full paper is not obligatory unless the author is interested to propose it for publication.

Contact the Conference Secretariat: Phone: +39.06.3227367; e-mail: aiee@aieesymposium.eu, assaiee@aiee.it; www.aieesymposium.eu

Concurrent sessions

The concurrent sessions will largely be identified from the clustering of relevant abstracts submitted by the participants. You can also organize and propose to the Scientific Committee "special sessions" on a particular topic. The special sessions must have at least 3 speakers.

Proposed topics:

Access to energy	Smart meters
Biogas and biomethane and hydrogen	Smart cities
Behavioural energy economics	Sustainable energy systems
Carbon border adjustment measures	The changing geopolitics of energy and global governance
Climate policy and emission trading	The future energy demand
Europe energy road map to 2050	The utility of the future
Energy supply and security	Breakthroughs in energy technology
Energy performance in buildings	Smart grids and energy security
Energy efficiency and end-use applications	The gas market: new perspectives?
Energy security for a more resilient society	The perspective of LNG
Energy revolution: green energy solutions	The impact of oil price fluctuation
Energy vulnerability in developed countries	The future of transportation
Energy transition funds	Strategic contribution of energy storage to energy security
Extending the scope of European energy regulation	Energy storage – effects on the market
Industrial energy and material efficiency	Sectorial approach to energy efficiency in industry
Energy and Industrial Competitiveness	Security risks in the electricity sector
Market instruments for energy efficiency North-South cooperation on renewable energy	Reducing industrial energy use and CO ₂ emissions
Promoting energy efficiency	European perspectives of energy security in the global context
Regulation and taxation of energy markets	
Real-time tariffs	

Conference proceedings

AIEE will publish the conference proceedings on-line on the conference website, in one volume with open access. The proceedings will contain the abstracts, it is not obligatory to submit the full paper, unless the author is interested to publish it.

CURRENT AND FUTURE CHALLENGES TO ENERGY SECURITY

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Conference secretariat

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