

– 5TH HAEE –
**ENERGY
TRANSITION**
SYMPOSIUM



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HYBRID EVENT

30 SEP - 2 OCT, 2020

ATHENS, GREECE
THEOXENIA PALACE HOTEL

Under the Auspices of:



5th HAEE ENERGY TRANSITION SYMPOSIUM:

“GLOBAL AND LOCAL PERSPECTIVES”

**30 SEPTEMBER – 2 OCTOBER 2020,
THEOXENIA PALACE HOTEL, KIFISIA, GREECE**

DRAFT AGENDA

DAY 1 – Virtual Room I

Wednesday, September 30, 2020

09.15-09.25 **WELCOME ADDRESS**

Spiros Papaefthimiou, Chairman, Hellenic Association for Energy Economics (HAEE); Assoc. Professor in Energy Management Systems and Energy Efficiency Technologies, Technical University of Crete

09.25-09.40 **OPENING KEYNOTE ADDRESS**

Kostis Hatzidakis, Minister of Environment and Energy, Hellenic Republic (TBC)

09.40-10.20 **OPENING REMARKS**

Sokratis Famellos, Member of Parliament Thessaloniki B, Director of Environment and Energy Sector, SYRIZA

Giorgos Arvanitidis, Member of Parliament Thessaloniki B, Director of Environment and Energy Sector, KIN.AL.

10.20-10.45 **Andreas Shiamishis**, CEO, Hellenic Petroleum S.A.

IN DISCUSSION WITH (IN GREEK LANGUAGE):

Thodoris Panagoulis, Editor in Chief, energypress.gr

10.45-10.50 **Break**

10.50-12.25 **EU GREEN DEAL AND THE LANDSCAPE OF THE GREEN ENERGY MARKETS,
powered by: National Bank of Greece**

Georgios Gkiaouris, Associate Director, Regional Head, Energy EMEA, EBRD (*digital*)

Pantelis Capros, Professor of Energy Economics, NTUA (*digital*)

Kostas Andriosopoulos, Professor of Energy Economics, ESCP Business School

Katherine Poseidon, Associate, EMEA Energy Transition, Bloomberg New Energy Finance

Moderator: **Manolis Souliotis**, Associate Professor, Department of Chemical Engineering, University of Western Macedonia; HAEE's BoD Member (*digital*)

12.25-12.30 **Break**

12.30-14.00 **TARGET MODEL: THE NEW ERA OF THE GREEN ENERGY MARKETS**

George Ioannou, CEO, Hellenic Energy Exchange S.A.

Victor Grigorescu, Former Minister of Energy, Romania (*digital*)

Konstantin Konstantinov, CEO, Independent Bulgarian Energy Exchange

Septimiu Rusu, Development Manager, Romanian Commodities Exchange (*digital*)

Miloš Mladenović, Managing Director, SEEPEX (*digital*)

Moderator:	Nikos Frydas , Principal – Energy, Grant Thornton Advisory
14.00-14.05	Break
14.05-15.40	THE FUTURE OF RES: AGGREGATORS AND OPPORTUNITIES Yiannis Yiarentis , President and CEO, DAPEEP Konstantinos Tomaras , General Director, Spyropoulos S.A. Vassilis Spiliotopoulos , Managing Director Greece, Cyprus, Siemens Gamesa Renewables Energy S.A. Panagiotis Papastamatiou , Director, ENTEKA; CEO, Hellenic Wind Energy Association Elias Eliadis , Director Investment Promotion & Facilitation, Enterprise Greece (<i>digital</i>) Giannis Panagis , President, POSPIEF
Moderator:	Filippos Ioannidis , Energy Market Analyst; PhD Candidate, Aristotle University of Thessaloniki
15.40-15.45	Break
15.45-17.35	THE EASTERN MEDITERRANEAN ENERGY PROJECTS AND SECURITY ISSUES <i>powered by: Atlantic Council</i> <hr/> Keynote address Joshua Volz , Acting Director, Office of Europe and Eurasia, U.S. Department of Energy (<i>digital</i>) <hr/> Richard Morningstar , Founding Director and Chairman, Global Energy Center at the Atlantic Council; Former US Ambassador to the Rep. of Azerbaijan, Former US Ambassador to the EU (<i>digital</i>) David Livingston , Senior Analyst, Eurasia Group; Senior Fellow, Global Energy Center, Atlantic Council (<i>digital</i>) Nikolaos Bakatselos , President, American-Hellenic Chamber of Commerce Theodoros Tsakiris , Assoc. Professor of Geopolitics and Energy Policy, University of Nicosia's Business School Aristofanis Stefatos , CEO, Hellenic Hydrocarbon Resources Management
Moderator:	Katerina Sokou , Nonresident Senior Fellow, Future Europe Initiative, Atlantic Council (<i>digital</i>)
17.35-17.40	Break
17.40-18.25	THE FUTURE OF GREEN SHIPPING Arthur Richier , Senior Freight Analyst, Vortexa (<i>digital</i>) Charlotte Bucchioni , Tankers Editor, S&P Global Platts (<i>digital</i>)
Moderator:	Panagiotis Mitrou , Global Gas Segment Manager, Lloyd's Register Marine & Offshore
18.25-18.30	Break
18.30-19.45	TOWARDS A GREEN ENERGY TRANSITION Ricardo Gorini , Senior Programme Officer - Remap, IRENA (<i>digital</i>) Ulrich Laumanns , Project Manager, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

Menelaos Ydreos, Executive Director, Energy Vantage Inc. (*digital*)

Marina Economidou, Scientific Officer, Institute of Energy and Transport, Joint Research Centre, European Commission (*digital*)

Moderator: **Michael Jefferson**, Frm. senior editor of 'Energy Policy'; Affiliate Professor at ESCP Business School; Senior Fellow, Department of Economics and International Studies, University of Buckingham; Frm. Chief Economist, Shell (*digital*)

DAY 2 – Virtual Room I

Thursday, October 1, 2020

09.00-10.25 **RES: THE GREEK POTENTIAL**

Keynote address

Adonis Georgiadis, Minister of Development and Investments, Hellenic Republic

Patrizia Falcinelli, Italian Ambassador to the Hellenic Republic

Patrick Maisonnave, French Ambassador to the Hellenic Republic

Éric Scotto, Chairman and Co-Founder, Akuo Energy

Aristotelis Chantavas, Head of Europe area, Enel Green Power; President, SolarPower Europe

Moderator: **Dimitris Pefanis**, Director, insider.gr

10.25-10.30 *Break*

10.30-11.15 **REGULATORY AUTHORITIES**

Athanasios Dagoumas, President, Regulatory Authority for Energy

Aurora Rossodivita, Senior expert of European regulation, ARERA (*digital*)

Moderator: **Jean-Michel Glachant**, Director, Florence School of Regulation; Holder of the Loyola de Palacio Chair (*digital*)

11.15-11.20 *Break*

11.20-13.00 **RES INVESTMENTS: BIG SCALE PROJECTS**

Rabia Ferroukhi, Director, Knowledge, Policy and Finance Centre, IRENA (*digital*)

Adnan Polat, Chairman, POLAT Holding

Konstantinos Mavros, CEO, PPC Renewables (*digital*)

Loukas Lazarakis, CEO, Nostira S.A.

Tasos Athanasopoulos, President and CEO, Enerdia

Grigoris Marinakis, General Manager, Voltalia Greece

Panagiotis Doumas, Managing Partner, Alpha Plus Insurance Brokers PC

Moderator: **Haris Floudopoulos**, Journalist, capital.gr

- 13.00-13.05 **Break**
- 13.05-14.30 **NATURAL GAS NETWORKS: THE NEW LANDSCAPE IN GREECE (IN GREEK LANGUAGE)**
- Leonidas Bakouras**, General Manager, Gas Distribution Company Thessaloniki-Thessalia S.A. *(digital)*
Marios Tsakas, Public Gas Distribution Networks SA *(digital)*
Theodoros Stavropoulos, Executive Director of Commercial Services, Attiki Natural Gas Distribution Company S.A. *(digital)*
Michael Thomadakis, Head of the Strategy & Development Division, Hellenic Gas Transmission System Operator
Nikolaos Koutsogiannis, Advisor to the Board, HENGAS S.A.
- Moderator: **Thodoris Panagoulis**, Editor in Chief, energypress.gr
- 14.30-14.35 **Break**
- 14.35-15.00 **REPORT PRESENTATION: “THE POTENTIAL CONTRIBUTION OF NATURAL GAS TO EAST MEDITERRANEAN ECONOMY”,
powered by: International Gas Union**
- Matthew Doman**, Interim Public Affairs Director, IGU *(digital)*
Kostas Andriosopoulos, Professor of Energy Economics, ESCP Business School
- 15.00-15.05 **Break**
- 15.05–16.35 **EAST MEDITERRANEAN MARKETS: REGIONAL GAS PROSPECTS AND SMALL-SCALE LNG APPLICATIONS,
powered by: Global Gas Centre**
- Dan Milstein**, Director, European Regional Office U.S. Department of Energy, U.S. Embassy-Prague *(digital)*
Dimitris Manolis, Head, International Activities/Projects, DEPA S.A. *(digital)*
Symeon Kassianides, Chairman, Natural Gas Public Company, Cyprus *(digital)*
Marcel Kramer, Energy & Infrastructure Consultant; President, Energy Delta Institute *(digital)*
Kostis Sifnaios, Business Development and Project Director, GasTrade S.A.
- Moderator: **Naji Abi-Aad**, Advisor, Global Gas Centre
- 16.35-16.40 **Break**
- 16.40-18.10 **A CLIMATE NEUTRAL EU BY 2050. THE CHALLENGES FOR NATURAL GAS,
powered by: Global Gas Centre**
- René Bautz**, Chairman, World Energy Council - Global Gas Centre
Jean-Marc Leroy, External Relations Senior Executive Vice President, Engie France *(digital)*
Anita Orban, Vice President, International Affairs, Tellurian LNG *(digital)*
Andrew Walker, Vice President, LNG Strategy and Communication, Cheniere *(digital)*
- Moderator: **Alex Barnes**, Advisor, Global Gas Centre

DAY 3 – Virtual Room I

Friday, October 2, 2020

09.00-09.15 **OPENING KEYNOTE ADDRESS**

Takis Theodorikakos, Minister of Interior, Hellenic Republic

09.15-10.45 **CIRCULAR ECONOMY AND SMART CITIES,**
powered by: Circle the Med Forum

Keynote Address

Konstantinos Aravossis, General Secretary of Natural Environment and Water, Ministry of Environment and Energy, Hellenic Republic (*digital*)

Giorgos Kremis, President, Organizing Committee of the Circle the Med Forum; President, International “Circular Clima Institute” of the European Public Law Organization

Theodora Antonakaki, Advisor to the Governor of the Bank of Greece

Haris Doukas, Associate Professor, School of Electrical and Computer Engineering, National Technical University of Athens & Gen. Secretary of HELORS (*digital*)

Moderator: **Konstantinos Maragkogiannis**, Senior Advisor on Circular Economy

10.45-10.50 *Break*

10.50-12.30 **UNTAPPING THE VALUE OF NETWORKS THROUGH PRIVATIZATION**

Sonia Babilis, Chief Investment Officer, Hellenic Republic Asset Development Fund (*digital*)

Ioannis Margaris, Vice-Chairman BoD ADMIE, Chief Technology Officer and General Manager, “Ariadne Interconnection”

Nicola Battilana, CEO, Hellenic Gas Transmission System Operator S.A.

Argyro (Argie) Banila, Head of Structured Financing, National Bank of Greece

Moderator: **Evangelos Kyritsis**, Senior Analyst, Statkraft; HAEE’s BoD Member (*digital*)

12.30-12.35 *Break*

12.35-14.20 **ECOMOBILITY AND MICROGRIDS AT THE FOREFRONT OF GREEN DEVELOPMENT**

Keynote address

Ioannis Kefalogiannis, Deputy Minister of Infrastructure and Transportation, Hellenic Republic

Dimitris Kavvouris, Chief Operating Officer Citroen, DS Automobiles and Mazda

Arnaud Henin, Managing Director, Gommyr Power Networks (*digital*)

Athanasios Lazanas, Chairman and CEO, Arclif Group (*digital*)

Moderator: **Thanos Zarogiannis**, Electric Vehicles Charging Specialist, Advisor on Electromobility

14.20-14.25 **Break**

14.25-16.25 **HYDROGEN, INNOVATION AND TECHNOLOGY,
powered by: Energy Delta Institute**

Keynote addresses

Enrique Viguera Rubio, Spanish Ambassador to the Hellenic Republic (*digital*)

Maria Spyraiki, Member of the European Parliament (*digital*)

Bert Stuij, Vice President Innovation, Energy Delta Institute (*digital*)

Walburga Hemetsberger, CEO, SolarPowerEurope (*digital*)

Maher Chebbo, Chair of the European ETIP Digital Energy Group and Digital Batteries Task Force (*digital*)

Pierre-Jean Cherret, Head of New Business Development & Strategic Innovation & Ventures, ITEMS International (*digital*)

Moderator: **Miguel Palacios**, Professor of Management, ESCP Business School; Executive Education Associate Academic Dean, Madrid Campus (*digital*)

16.25-16.30 **Break**

16.30-18.00 **HYBRID SYSTEMS IN ISLANDS - NEW ENERGY SOLUTIONS OPTIMISED FOR ISLANDS,
powered by: NESOI European Islands Facility**

Keynote address

Konstantinos Fragogiannis, Deputy Minister for Economic Diplomacy and Openness, Ministry of Foreign Affairs, Hellenic Republic

Andrea Martinez, Deputy Managing Director, Sinloc (*digital*)

Dimitris Papastergiou, President, Central Union of Greek Municipalities; Mayor of Trikala (*digital*)

Panagiotis Grammelis, Director, Research at the Chemical Process and Energy Resources Institute, CERTH

Spyros Economou, President of the BoD and General Director, CRES

Fereidoon Sioshansi, President, Menlo Energy Economics (*digital*)

Moderator: **Spiros Papaefthimiou**, Chairman, Hellenic Association for Energy Economics (HAEE); Assoc. Professor in Energy Management Systems and Energy Efficiency Technologies, Technical University of Crete

18.00-18.05 **Break**

18.05-19.30 **BOOK PRESENTATION: “THE SOUTHERN GAS CORRIDOR AND ITS IMPORTANCE FOR SOUTH-EAST EUROPE: THE NEW ERA OF ENERGY TRANSITION”,
powered by: EMC at ESCP Business School**

Gulmira Rzayeva, Research Associate, Oxford Institute for Energy Studies; Founder and Managing Director, Eurasia Analytics (*digital*)

Olga Khakova, Associate Director for European Energy Security (*digital*)

Kostas Andriosopoulos, Professor of Energy Economics, ESCP Business School

Julian Bowden, Senior Visiting Research Fellow, Oxford Institute for Energy Studies (*digital*)

Moderator: **Mamdouh Salameh**, International Oil Economist; Visiting Professor of Energy Economics, ESCP Business School, London (*digital*)

19.30-19.40 **Conclusions**

End of Symposium

Concurrent Sessions – Academic Paper Presentations

DAY 2 – Virtual Room II Thursday, October 1, 2020

10.00-11.30 **SUSTAINABLE INVESTMENTS - CIRCULAR ECONOMY ASPECTS**

Session Chair: Konstantinos Tsagkarakis

An online platform for sustainable investment planning under environmental and economic life cycle analysis thinking: the case of PV when integrated with storage solutions

Authors: Ioannis Mamounakis, Dimitrios-Sotirios Kourkoumpas, Athanasios Natsikas, Nikolaos Nikolopoulos

Presenter: Ioannis Mamounakis

Integrating solar technologies in the circular economy concept: A life cycle perspective

Authors: Maria Milousi, Manolis Souliotis, Spiros Papaefthimiou

Presenter: Maria Milousi

An Analysis of Energy in the Circular Economy Definitions: A Natural Language Processing Approach

Authors: Konstantinos P. Tsagkarakis, Boris Tanchovski, Dimitar Trajanov

Presenter: Konstantinos P. Tsagkarakis

Turning CO₂ emissions to CH₄ by means of green H₂ and novel catalytic materials

Authors: M. Konsolakis, S. Papaefthimiou, D. Ipsakis, M. Lykaki, S. Stefa, G. Varvoutis, G.E. Marnellos

Presenter: M. Lykaki

11.30-11.40 *Break*

11.40-13.10 **SOCIAL ISSUES - ENERGY POVERTY**

Session Chair: Dimitra Koumparou

Supporting households against energy poverty using the Living Lab approach: First evidence from the STEP-IN project

Authors: Anastasios Balaskas, Ilias Doulos, Dimitris Damigos, Dimitris Kaliampakos, Nikolas Katsoulakos, Lefkothea Papada

Presenter: Nikolas Katsoulakos

Different energy sources allied towards energy transition

Authors: Paolo Carrera, Federica Furas

Presenter: Federica Furas

A set of innovative action plans for sustainable islanding regions and an Investment Planning Tool for development and replication

Authors: Avraam Kartalidis, Jeanne Fauquet, Benjamin Horvilleur, Apostolos Antoniadis, Christos Keramiotis, Rébecca Aron, Nikolaos Nikolopoulos
Presenter: Avraam Kartalidis

Just Energy Transition and the social sciences in Greece

Authors: Dimitra Koumparou, Efthimios Zervas
Presenter: Dimitra Koumparou

13.10-13.20 *Break*

13.20-14.50 **ENERGY MARKETS, DECARBONISATION AND ENERGY TRANSITION**

Session Chair: Iordanis Kalaitzoglou

Is climate policy effective in reducing GHG emissions? Southeast versus southwest Europe

Authors: Inês Carrilho Nunes, Margarida Catalão-Lopes
Presenter: Inês Carrilho Nunes

Capacity mechanisms in the decarbonization era: the EU law challenges for South-East European electricity markets in transition

Author: Orestis Omran, Stella Mavrommati
Presenter: Orestis Omran

The Effects of the COVID-19 Pandemic on the Global Energy Markets and Energy Resilience: The Example of HEDNO

Authors: Stratis Zacharis, Aikaterini Gkika, Alexios Tagaris, Niki Komioti
Presenter: Aikaterini Gkika

Energy transition projections of the Serbian energy sector and lessons learnt for decarbonization in the Balkans

Authors: Savvas Louzidis, Ioannis Stefanou, Nenad Jovanovic
Presenter: Ioannis Stefanou

Is the EU ETS really becoming more efficient?

Author: Iordanis Kalaitzoglou
Presenter: Iordanis Kalaitzoglou

The Viability of a Mediterranean Energy Hub and the Interests of European Union and Russia: Common or Conflicted?

Authors: Antonios Stratakis, Theodore Pelagidis
Presenter: Antonios Stratakis

14.50-15.00 *Break*

15.00-17.00 **OIL AND GAS: CHALLENGES AND INVESTMENT OPPORTUNITIES**

Session Chair: Filippos Ioannidis

Oil prices as a predictor for stock market returns

Authors: Andrianos Tsekrekos, Konstantinos Vasileiadis

Presenter: Konstantinos Vasileiadis

Energear's pledge to net zero emissions by 2050

Author: Vassilis Tsetoglou

Presenter: Vassilis Tsetoglou

Investing in Bridging Fuels: The Unit Commitment Problem of Public vs Private Ventures

Authors: Filippos Ioannidis, Kyriaki Kosmidou, Iordanis Kalaitzoglou

Presenter: Filippos Ioannidis

A new pole for Sustainable Research and Innovation in the Eastern Mediterranean: The Institute of Petroleum Research (IPR) /Foundation for Research and Technology

Authors: Spyridon Bellas, Nikolaos Pasadakis

Presenter: Spyridon Bellas

Growing Political Opposition to Oil & Gas Development in the United States: Implications of a Ban on Hydraulic Fracturing

Authors: Lucian Pugliaresi

Presenter: Lucian Pugliaresi

Natural Gas Market Globalization Revisited

Authors: Evangelos Kyritsis, Anne Neumann

Presenter: Evangelos Kyritsis

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