

## 10:15 – 12:15 PANEL SESSION Electricity and IC Technologies (ELICT) for higher efficiencies in Developed Countries

Chairman: Professor Thales M. Papazoglou, Conference Chairman

Members: Professor Charis Dimoulas, Aristotelian University of Thessaloniki, Professor Rafael Mihalic, University of Ljubljana, Professor Ghanim Putrus, Northumbrian University, Professor Yorgos J. Stephanedes, University of Patras

## 12:15 – 12:45 Coffee Break

## 12:45 – 14:45: Special Presentation:

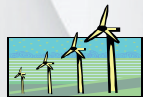
Wind Parks onshore: Technical Description & Introduction to Wind Turbine Technology Giannis Papadakis, Wind Farms Management

## Conference Closure

## Time period for Personal Programs

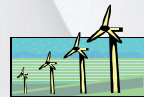
Following 13 years of notable successes DEMSEE is already well into its second period becoming more accessible and opening itself to a wider audience. DEMSEE-2022 welcomes everyone with a special interest in the modern world of Electric Energy where the public is an established crucial player. This year, we have chosen the “Electricity Markets evolution and Climate Change” to be central theme. System security and the operation of systems with large share of RES are in focus. The System of Crete is of interest with the operation of the longest in the world undersea cable AC interconnection. Participation includes Academia, Research Institutions and Industry. Two technical visits are included. Registration is free of charge.

## Program – Leaflet Sponsor:



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71306 ΗΡΑΚΛΕΙΟ ΚΡΗΤΗΣ  
Τηλ. φαξ: 2810-822599  
Κινητό: 6985-025268, 6948-058519  
info@windfarmsmanagement.gr  
www.windfarmsmanagement.gr



Giannis Papadakis  
WIND FARMS Management

Dipl. Mechanical Engineer, TU of Patras/GREECE  
GR-71306 HERAKLION, Greece  
Tel.fax: ++30-2810-822599  
Cell phone: ++30-6985-025268, ++30-6948-058519  
info@windfarmsmanagement.gr  
www.windfarmsmanagement.gr

# DEMSEE 14th Deregulated Electricity Market issues in South-Eastern Europe 20-21 June 2022

# DEMSEE 2022

Auditorium “Kastellakis”  
Commerce and Industry Chamber  
of Heraklion  
9 Koroneou Street



ΠΕΡΙΦΕΡΕΙΑ ΚΡΗΤΗΣ  
REGION OF CRETE

## DEMSEE-2022 PROGRAM

### Day 1: June 20, 2022

#### 08:30 – 09:00 Registration

#### 09:00 -10:15 Opening Session “Kastellakis” Auditorium

Welcome by Professor Thales M. PAPAZOGLOU Electricity Markets evolution and Climate Change

Keynote Address by Director General ADMIE Ioannis Kampouris Recent Developments in Europe to enhance system security, and the role of Regional Security Coordinators (RSCs) – The case of SELENE CC in Thessaloniki

Keynote Address by Professor Charis Dimoulias Enabling vital Ancillary Services from Distributed RES – a pathway towards the Operation of Power Grids with very large share of RES

#### 10:15 – 11:15 First Session: Renewable Generation I

Chairmen: Professor Charis Dimoulias, Aristotelian University of Thessaloniki, Professor Rafael Mihalic, University of Ljubljana

- Screen printed flexible thermoelectric generators (TEGs) for large-scale thermal energy harvesting Lazaros Tzounis, Fivos Simopoulos, Panagiotis Mangelis, Emmanuel Kymakis, Hellenic Mediterranean University

- Comparative analysis of PV temperature profiles prediction at seashore and inland, accounting for humidity and evaporation on the modules Socrates Kaplanis, West Attica University, and Eleni Kaplani, University of East Anglia

- OCEAN Hybrid Platform (OHP) – Introduction of a modular, cost-effective power generation platform Nikos Papazoglou, SINNPOWER

#### 11:15 – 11:45 Coffee Break

#### 11:45 – 13:00 Second Session: Renewable Energy,

#### Transmission and Distribution

Chairmen: Professor Ghanim Putrus, Northumbrian University, Rafael Mihalic, University of Ljubljana

- Massive RES penetration: Fulfilling the requirements for an efficient distribution network operation – Needs and Actions for the MV network automation; a project implemented for Heraklion MV Network Asterios Zafeirakis, DEDDIE

- Crete Interconnection with the Mainland Antiopi Gigantidou, ADMIE

- Power-LIBS: A novel technology for remotely assessing the condition of composite HV insulators N. Mavrikakis, K. Siderakis, HEDNO, E.Koudoumas, M. Sfakiotakis, HMU, G. Georgousis, Raymetrics, E. Hontzopoulos, LAMDA, S. Couris, University of Patras, D. Anglos, IESL, FORTH, and University of Crete

- Filtering approaches for wind tunnel power measurements in an inverter induced noise environment Nikolaos Papadakis, Constantinos Contaxakis, Nikolaos Torosian, Hellenic Mediterranean University

- A Theoretical and Experimental insight to the generalized expression of the Ross coefficient and the PV Temperature Prediction for BIPV and BIPV/T Socrates Kaplanis, West Attica University, Eleni Kaplani, University of East Anglia

#### 13:00 – 13:15 Short Break

**13:15 – 17:00** Afternoon Session at Control Center for Crete, and DEDDIE Distribution Center for Iraklio (Light lunch and coffee provided at the premises)

- New Dispatching Functionality at Katsabas C.C. for Crete Dimitrios Michos, ADMIE

#### 15:30 – 17:00 Visit at Tsalikaki Headquarters of DEDDIE

- New Distribution Center Functionalities Pavlos Vardoulakis, Kostas Polymeris, Giorgos Velivasakis, DEDDIE

### Day 2: June 21, 2022

#### 09:00 -10:15 First Session: EPS, Renewable Generation II, Transports, E-mobility

Chairmen: Professor Yorgos J. Stephanedes, University of Patras, Professor Ghanim Putrus, Northumbrian University

Keynote Address by Emmanuel Voumvoulakis, E. Leonidaki, DEDDIE, A. Dimeas, D. Trakas, NTUA, M. Sousounis, F. Paterakis, ADMIE, et. al. TSO-DSO-Consumers Coordination for the Provision of Innovative Grid Services in a Market Environment

- The first Law of E-mobility in Greece: Key Elements and First Remarks Eleni-Arstea Alevizou, Heron

- Readiness and Opportunities for Electric and Connected Vehicles in Smart Cities and Communities Yorgos J. Stephanedes, University of Patras

- Wind Resource Potential assessment over complex terrain using ground meteorological station data and numerical modelling techniques: A test case for the island of Crete Georgios Kozyrakis, Constantinos Condaxakis, Hellenic Mediterranean University