

The 16th DEMSEE CONGRESS PROGRAM

VENUE: Technical Chamber of Greece ('TEE') in Heraklion,
Prevelaki & Grevenon streets, Heraklion

Day 1: June 24, 2024

Registrations (free): 08:30 – 09:00 first floor

OPENING SESSION 09:00 - 12:00 Second-floor Auditorium

Opening and Welcome by Professor Papazoglou:

**“New challenges for Electricity”
followed by Salutes to the Congress**

KEYNOTE ADDRESSES

- *The emerging security framework in Europe in the light of the Green Energy Transition*, Grigorios Dourbois, ADMIE & SELENE CC
- *Challenges of Grid Integration: Measures for managing Short-Circuit Currents from Renewable Energy Sources (RES) for DSOs*, Dominik Aumann, ABB, Ratingen
- *The Harmonization of the EU Legislation through Energy Policy Packages for Electricity - A Layer's Perspective on the future of the EU Electricity Markets*, Ana Stanic, E&A Law Ltd, London

Discussion

COFFEE BREAK 12:00 – 12:30

SESSION A: 12:30 - 14:30 TEE Auditorium

Current Challenges in Electric Power Systems

Chair: Assistant Professor Costas Condaxakis

- *The System Split application in real-time environment*, Igor Bundalo, Goran Jakupovic, Srdan Subotic, Dusan Presic, Research Institute Mihajlo Pupin – IMP Automation and Control Systems Ltd, Belgrade
- *Model Validation for Long-Term Wind Resource Assessments over the Greek Region Using Dynamical down-scaling techniques and meteorological-station data*, Costas Condaxakis, HMU, Georgios Kozyrakis, Forth
- *2D and 3D printing technologies to fabricate thermoelectric generator (TEG) devices for potential thermal energy harvesting on a large scale*, Fivos Simopoulos, Mirron Krassas, Georgios Kampourakis, Nikolaos Papadakis, George Karalis, Lazaros Tzounis, Mechanical Engineering Dept., HMU

Discussion

14:30 – end of Day 1: Personal Needs Programs

Day 2: June 25 Program

Coffee and Refreshments 09:00 – 09:30

SESSION B: 09:30 – 10:30 Auditorium

Related University Research Laboratories

Chair: Assistant Professor Costas Condaxakis

Presentation by Staff Members and Discussion

Technical Visit to University Labs: 10:30 – 13:30

(Transportation and Light Lunch will be provided)

The annual DEMSEE CONGRESS

Founder: Professor Thales M. PAPAZOGLU, PhD

Steering Council

Chairman: Thales M. PAPAZOGLU

Members:

**Ioannis KAMPOURIS, Mladen KEZUNOVIC,
Dimitrios MICHOS, Rafael MIHALIC,
Stig NILSSON, Minas PAPADAKIS,
Roman SLOWINSKI, Roberto ZANGRANDI**

Scientific Committee:

**C. Condaxakis (Chair),
L. Tzounis (Co-Chair), M. Sfakiotakis (Co-Chair),
I. Dimou, N.-A. Livanos, Y. Tsiknakou**