

“...We pledge that no one will be left behind...”

Thursday 9th October 2025

18th International Conference – Energy and Climate Change (Science)

Venue: Museum of History of the National and Kapodistrian University of Athens (5 Tholou str., Plaka)
(under the Parthenon of the Acropolis)

10.00 – 12.30 Session 1 – Environment – Climate Change - Energy

Chair: **Prof. Milton A. TYPAS**
National and Kapodistrian University of Athens, Greece

Co-chair: **Prof. Tayo AJAYI**
UNAI SDG7 Hub Co-Chair, Lagos State University, Nigeria

Opening

10.00 – 10.10 **Prof. Dimitrios MAVRAKIS**
Director of KEPA, BSEC – GEN & UNAI SDG7 Hub Co-Chair

Presentations

- 10.10 – 10.30 **Mr. Gábor Horváth (on line)**
Regional Centre for Energy Policy Research, Hungary
“Demand adjustment in Hungarian natural gas consumption: effect of punitive block tariffs?”
- 10.30 – 10.50 **Mr. Tauland SPAHIU (on line)**
Polytechnic University of Tirana, Albania
“The experimental evaluations and numerical simulation of NO_x emissions by internal combustion engine, using test-bench GUNT CT 400.01 and RK-DIESEL software”
- 10.50 – 11.10 **Dr. Spartak POÇARI (on line)**
Polytechnic University of Tirana, Albania
“A mathematical model and experimental simulation for improving the energy efficiency of external gear hydraulic pumps”
- 11.10 – 11.30 **Dr. Pegah MIRZANIA**
Cranfield University, United Kingdom
“Uneven Paths to Net-Zero: A Review of Rural-Urban Gaps in Low-Carbon Heating in the United Kingdom”
- 11.30 – 11.50 **Prof. Rauf ALIYAROV**
Geotechnological Problems of Oil, Gas and Chemistry" Scientific Research Institute, Azerbaijan

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“Impact of CO₂ fluids on heavy oil production, wax deposition and the environment (Absheron field, Azerbaijan)”

11.50 – 12.10 **Prof. Luis LAMANI**
Polytechnic University of Tirana, Albania

“Energy Optimization in SAR Drone Missions Using Blockchain and Smart Contracts: Potential and Limitations”

12.10 – 13.00 **Coffee Break**

13.00 – 14.30 Session 2 – Environment – Climate Change - Energy

Chair: **Prof. Andonaq Londo LAMANI**
Polytechnic University of Tirana, Albania

Co-chair: **Prof. Rauf ALIYAROV**
Geotechnological Problems of Oil, Gas and Chemistry" Scientific Research Institute,
Azerbaijan

13.00 – 13.20 **Dr. Mateusz JAKUBIAK**
AGH University of Krakow, Poland
“Unmanned Aerial Vehicles (UAVs) in the energy and heating sector: a review of monitoring applications and emerging technologies”

13.20 – 13.40 **Mrs. Madeline Snow TYPADIS**
Lowell Center for Sustainable Production University of Massachusetts Lowell, USA
“Pollution Prevention Strategies for Sustainable Development”

13.40 – 14.00 **Dr. Lambros LAMBRINOS**
Cyprus University of Technology, Cyprus
“Are citizens really aware of their energy footprint?”

14.00 – 14.20 **Dr. Antonios ALEVIZOS**
National and Kapodistrian University of Athens, Greece
“Educational methodologies for Universities for the promotion of Sustainable Development and the addressing of climate change challenges”

14.30 – 15.00 **Light Lunch**

20.00 Dinner at “Kostis Palamas”