



## Scientific Sessions – Thursday 12.10.2023

### 10.00 – 12.30 Session 1 – Environment – Climate Change

Chair: **Prof. Dimitrios MAVRAKIS**  
Director of KEPA, BSEC – GEN & UNAI Hub SDG7

Co-chair: **Prof. Milton A. TYPAS**  
National and Kapodistrian University of Athens

### Opening

10.00 – 10.10 **Prof. Christos KARAGIANNIS**  
Vice Rector of National and Kapodistrian University of Athens

10.10 – 10.20 **Mr. Robert SKINNER (TBC)**  
Chief of UNAI (video)

10.20 – 11.00 UNAI Hubs for SDGs (TBC)

### Presentations

11.00 – 11.20 **Ms. Aikaterini GKIKA (on line)**  
National and Kapodistrian University of Athens, Greece  
*“Best Practices for Emergency Response Planning & Distribution Power Grid Restoration following Extreme Weather Events”*

11.20 – 11.40 **Mr. Konstantinos PANTAZIS**  
Bocconi University, Italy  
*«Energy communities in the EU: An analysis of existing financial mechanisms, enablers, and barriers»*

11.40 – 12.00 **Ms. Evi MAKRI (on line)**  
National Technical University of Athens, Greece  
*«Development gaps within the climate crisis and energy poverty»*

12.00 – 12.20 **Ms. Judit KOCKAT**  
Buildings Performance Institute Europe, Belgium  
*“Evaluating Building Stock Progress Monitoring regarding Decarbonisation: Insights from the EU Buildings Climate Tracker”*

12.20 – 12.40 **Mr. Spiros KOUSOURIS (on line)**  
Suite 5 Data Intelligence Solutions Limited, Cyprus  
*“Addressing Energy Efficiency and Sustainability Challenges in the EU's Built Environment: A Data-Driven Approach”*





12.40 – 13.00 **Dr. -Ing. Spartak POCARI (on line)**

Polytechnic University of Tirana, Albania

*“Numerical and experimental study of the influence of the geometric shape of the blades on the noise level in the axial fan”*

13.00 – 13.15 **Coffee Break**

Chair: **Prof. Rauf ALIYAROV**

Director of Geotechnological Problems of Oil, Gas and Chemistry - Azerbaijan

Co-chair: **Prof. Constantinos KARAGIANNOPOULOS**

National Technical University of Athens – Greece

13.15 – 13.35 **Prof. Haji MALIKOV**

Geotechnological Problems of Oil, Gas and Chemistry" Scientific Research Institute, Baku, Azerbaijan

*“Modeling and physicochemical study of high-viscosity oils of Azerbaijan using fluids SCF CO<sub>2</sub>-alkanes”*

13.35 – 13.55 **Mrs. Olga O. ALIYEVA (on line)**

Geotechnological Problems of Oil, Gas and Chemistry" Scientific Research Institute, Baku, Azerbaijan

*“Using Solar Energy for Desalination of seawater by mebrane distillation method”*

13.55 – 14.15 **Mr. N. N. SHIKHKARIMOV (on line)**

Geotechnological Problems of Oil, Gas and Chemistry" Scientific Research Institute, Baku, Azerbaijan

*“Autonomous biogas installation under Azerbaijan conditions”*

14.15 – 14.35 **Mr. Andi HIDA**

Polytechnic University of Tirana, Albania

*“Impact of the distributed resources on the power quality indicators of the distribution network, A Case Study in Korça”*

14.35 – 14.55 **Dr. - Ing. Luis LAMANI**

Polytechnic University of Tirana, Albania

*“An electricity consumption forecasting model for Albania based on the LSTM artificial neural network”*

14.55 – 15.15 **Ms. Elio VOSHTINA**

Polytechnic University of Tirana, Albania



**United Nations**  
Academic Impact





*“Coordination of strategies and different approaches used in power system balancing, A Case Study Albania-Kosovo”*

15.15 – 15.35 **Dr. Gentian DUME**  
Polytechnic University of Tirana, Albania

*“Total harmonic distortion of the electrical power generated from PV power plant online measurement virtual instrument”*

15.35 – 15.55 **Dr. Alfred PJETRI**  
Polytechnic University of Tirana, Albania

*“Study and evaluation for maintenance and planning strategy of distribution power transformers in Albania”*

15.55 – 16.15 **Mrs. Helena Johanna VAN NIEKERK**  
University of South Africa, South Africa

*«Zambezi River Basin: Impacts of climate change on the water-energy nexus»*

16.15 – 16.35 **Dr. Lindani NCUBE**  
University of South Africa, South Africa

*«An evaluation of diagenesis processes and impacts on the reservoir quality of Early-Late Permian sandstones of the petroleum bearing Main Karoo Basin, South Africa: Implication for hydro-carbon energy nexus»*

16.35 -16.45 Closing “Scientific Sessions”

20.00 – Dinner



**United Nations**  
Academic Impact

