

Baku ^{18th} annual Summer Green Energy School



Program

Energy Transition, Energy Efficiency and Renewables Edition

6 July 2024 | Saturday

Arrivals to Baku, Azerbaijan

7 July 2024 | Sunday

Baku, Azerbaijan

09:00 – 12:00

City Tour with Mr. Fuad Akhundov

18:00

Gathering in front of Welcome Center, ADA University

19:00 – 21:00

Welcome Reception at Retro

8 July 2024 | Monday

ADA University, 61 Ahmadbay Aghaoghlu Street
General Assembly, Building "B", 3rd floor

09:30 – 10:00

Registration & Welcome Coffee

10:00 – 11:00

Welcoming Remarks

Amb. Hafiz Pashayev
Rector, ADA University

Mr. Mukhtar Babayev
Minister of Ecology and Natural Resources | COP29 President

Mr. Parviz Shahbazov

Minister of Energy of the Republic of Azerbaijan

Mr. Gary Jones

bp Regional President for Azerbaijan, Georgia, Türkiye

Mr. Rovshan Najaf

President, State Oil Company of the Republic of Azerbaijan (SOCAR)

Mr. Asif Zeynalov

Group CEO and Chairman of the Advisory Board, GL Group

Mr. Barış Altıparmak

General Manager, KOLIN Azerbaijan

Moderated by Dr. Fariz Ismailzade

Vice Rector, ADA University

Director, Institute for Development and Diplomacy (IDD)

GROUP PHOTO**ENERGY, ENVIRONMENT AND RENEWABLES**

This session will start with the role of Caspian hydrocarbons history and its role in global energy developments and then focus on the country's transition towards achieving sustainable development in line with its climate change adaptation and mitigation measures. We will examine the transformation of the global energy system through the lens of sustainable development and climate change. The session will also study how the global climate change might impact the Caspian region and Azerbaijan in particular.

11:00 – 12:15

Historical Milestones of Caspian Energy and Need for Energy Transition**Dr. Elnur Soltanov**

Deputy Minister of Energy of the Republic of Azerbaijan

12:15 – 12:30

Coffee Break

12:30 – 13:30

Development of the Renewable Energy Sector in Azerbaijan**Ms. Rana Humbatova**

Head of Hydrogen and Green Technology Department, Azerbaijan Renewable Energy Agency

13:30 – 14:30

Luncheon

14:30 – 15:45

Global Energy Outlook: Fundamentals, Policy and Climate Issues**Dr. Michael Denison**

Head of International Advisory Team, bp

15:45 – 16:15

Coffee Break

16:15 – 17:30

Energy Efficiency, Conservation and Sustainability**Mr. Nazim Mammadov**

Coordinator of COP29, UNDP Azerbaijan

9 July 2024 | Tuesday

Baku, Azerbaijan

CLIMATE CHANGE AND ENERGY TRANSITION

This session encompasses climate change, the need for energy transition and the various essential topics in terms of action in the field of climate change mitigation such as solar energy and photovoltaics and wind power projects in the region. Additionally, it covers the technologies, models, and methods for harnessing these resources, along with discussions on hybrid energy systems, carbon-neutral energy, energy efficiency, energy management, and sustainability.

09:00 – 13:00	Field Trip to Renewable Energy Site
13:00 – 14:00	Luncheon
14:00 – 15:15	Climate Change and Global Energy Transition Ms. Martina Lyons Clean Energy Regulator, International Energy Agency
15:15 – 15:45	Coffee Break
15:45 – 17:00	ADA Tour

10 July 2024 | Wednesday

Baku, Azerbaijan

CONVENTIONAL ENERGY FUNDAMENTALS

This session will focus on the geological aspects of oil and natural gas production, discussing conventional methods and supply trends. Given the environmental burden it entails, the session will also cover related technological and sustainable energy production practices. The participants will also have a chance to visit Yanardagh and Ateshgah open museums.

09:30 – 10:00	Wrap up of the previous sessions
10:00 – 11:15	Sustainable Energy Production Practices in the Conventional Energy Sector Mr. Kanan Aliyev Group Director of Reservoir Management, GL Group
11:15 – 11:45	Coffee Break
11:45 – 13:00	Hydrocarbon Cycle: Formation, Exploration, Transportation, and Consumption Dr. Nazim Abdullayev Senior Exploration Geoscientist, bp AGT Region and Prospect Analysis Advisor for Eastern Hemisphere
13:00 – 14:00	Luncheon
14:30	Field trip to Atashgah and Yanardagh

11 July 2024 | Thursday

Baku, Azerbaijan

ENERGY LAW AND DIPLOMACY

The session will focus on energy law and diplomacy as a foreign policy instrument and safeguard of economic and energy security. It also impacts the energy contracts that play a major role in energy exploration and production. There are several different instruments available to producing states and investing companies, each with different economic and political implications. The session will examine energy diplomacy and its role in the legal framework in the energy industry.

09:30 – 10:00	Wrap up of the previous sessions
10:00 – 11:15	General Principles of International Law and Main Types of Energy Contracts Dr. Sorin Dolea Founding Attorney, Dolea & Co
11:15 – 11:45	Coffee Break
11:45 – 13:00	Renewables, Green Taxation and ESG Investments Dr. Sorin Dolea Founding Attorney, Dolea & Co
13:00 – 14:00	Luncheon
14:00 – 15:15	Energy Transition Diplomacy Amb. Dr. Urban Rusnak Ambassador-at-Large for Energy Security and Connectivity Ministry of Foreign and European Affairs of the Slovak Republic
15:15 – 15:45	Coffee Break
15:45 – 17:00	Geopolitics of Climate Change Amb. Dr. Urban Rusnak Ambassador-at-Large for Energy Security and Connectivity Ministry of Foreign and European Affairs of the Slovak Republic

12 July 2024 | Friday

Baku, Azerbaijan

GEOPOLITICS OF ENERGY

The session will examine the use of energy resources to promote political and security goals and peace. Particularly, it will discuss whether there is an “oil weapon” and a “natural gas weapon”. The sessions will look at the conditions under which supply relationships are vulnerable to political use. It will also study the attempts to use energy infrastructures as tools for conflict resolution, including the so-called “peace pipelines.”

Lead Instructors:

Dr. Brenda Shaffer | Professor, US Naval Postgraduate School

Dr. Vitaliy Baylarbayov | Deputy Vice President, SOCAR

09:30 – 10:00	Wrap up of the previous sessions
10:00 – 11:15	Geopolitics of Energy
11:15 – 11:45	Coffee Break
11:45 – 13:00	Energy as a Political Weapon
13:00 – 14:00	Luncheon
14:00 – 15:15	Simulation: Geopolitics of the Caspian Energy
15:15 – 15:45	Coffee Break
15:45 – 17:00	Simulation: Geopolitics of the Caspian Energy

13 July 2024 | Saturday

Baku, Azerbaijan

FREE TIME

14 July 2024 | Sunday

TRIP DAY

06:30	Gathering in front of Welcome Center, ADA University
07:00	Heading off to Tbilisi, Georgia
15:00 – 16:00	Luncheon in Gazakh
16:00 – 16:45	Guided Tour in Gazakh Teachers' Seminary
20:00	Arrival to Tbilisi, Georgia

15 July 2024 | Monday

Tbilisi, Georgia

Georgian Technical University, Merab Kostava, Main Building

STRATEGIC IMPORTANCE OF CASPIAN ENERGY AND THE REGION

The Caspian region's strategic importance is multifaceted, encompassing energy security, geopolitical considerations, regional cooperation and competition, and its impact on global energy markets. The region's significance is likely to persist as global energy demands continue to grow, and nations seek diverse and reliable sources of energy. Azerbaijan and Georgia contribute significantly to the EU's energy security by providing alternative and diversified routes for the transportation of Caspian energy resources. Their collaboration supports the EU's goals of ensuring a resilient and secure energy supply, reducing dependence on specific suppliers, and fostering competition in the energy market.

10:00 – 10:30	Welcoming Remarks
10:30 – 11:45	Holistic Geopolitical and Geo-Economic Approach to the Trans-Caspian Region Prof. Damjan Krnjevic Director for Policy Research, Analysis and Publications, IDD Professor of Practice, ADA University Prof. Michael Reynolds Associate Professor of Near Eastern Studies and Co-Director of the Program in History and Practice of Diplomacy, Princeton University
11:45 – 12:15	Coffee Break
12:15 – 13:30	Caspian-EU Green Energy Corridor Mr. Soso Mindiashvili Chief Specialist, Energy Efficiency and Renewable Energy Policy and Sustainable Development Department, Ministry of Economy and Sustainable Development of Georgia
13:30 – 15:00	Luncheon
15:00 – 16:15	Green Energy Opportunities in the Region Mr. Nikoloz Kholodov Chief Specialist, Energy Efficiency and Renewable Energy Policy and Sustainable Development Department, Ministry of Economy and Sustainable Development of Georgia
16:15 – 16:45	Coffee Break
16:45 – 18:00	Caspian's Potential to Resolve the Paradox on Climate Change and Need for Fossil Fuels Mr. John Roberts Energy Security Specialist, Methinks Senior Fellow, Atlantic Council

FREE TIME

16 July 2024 | Tuesday

Tbilisi, Georgia

ECONOMICS OF ENERGY

The course covers theoretical and practical issues related to the economics of energy, such as energy prices and public policies affecting energy demand, supply, prices, and environmental effects. The session contains an up-to-date assessment of energy economics including the world petroleum market, an introductory economic analysis of global warming, and potential roles of government and the implications for energy markets.

09:30 – 10:00	Registration and wrap up of previous sessions
10:00 – 11:15	Economics of Energy
	Prof. Maka Jishkariani Professor of Power Engineering, Department of Electroenergy and Electro mechanics, Georgian Technical University
11:15 – 11:45	Coffee Break
11:45 – 13:00	Energy Pricing
	Ms. Salome Janelidze Board Member, Energy Training Center, Georgian National Energy and Water Supply Regulatory Commission
13:00 – 14:30	Luncheon
14:30 – 15:45	Economics of Energy Transition
	Ms. Salome Janelidze Board Member, Energy Training Center, Georgian National Energy and Water Supply Regulatory Commission
15:45 – 16:15	Coffee Break
16:15 – 17:30	Water-Energy Nexus
	Mr. Eric Viala Chief of Party, South Caucasus Regional Water Management Program, Deloitte

FREE TIME

17 July 2024 | Wednesday

Tbilisi, Georgia

Kartli Wind Farm is the first wind farm built in Georgia and the first commercial wind power plant built in the South Caucasus. It was made possible with the support of the European Bank of Reconstruction and Development, the European Union, and other international donors, via the Green for Growth Fund.

08:30

Meeting in front of Georgian Technical University

09:00

Heading off to Kartli Wind Farm

09:00 – 17:00

Trip to Kartli – Wind Energy Farm

FREE TIME

18 July 2024 | Thursday

TRIP DAY

07:00

Gathering in front of Holiday Inn Hotel, Tbilisi

08:00

Heading off from Tbilisi, Georgia to Baku, Azerbaijan

14:00 – 15:00

Lunch in Ganja, Azerbaijan

18:00

Arrival to Baku, Azerbaijan

19 July 2024 | Friday

Baku, Azerbaijan

STRATEGIC MANAGEMENT IN THE ENERGY INDUSTRY

The session will cover Strategic Management in the Energy Industry, considering international and national perspectives. Given the growing emphasis on environmental sustainability and the shift towards renewable energy sources, effective strategic management in the energy sector is more critical than ever.

10:00 – 11:15	Development of Non-Oil Economy Mr. Valeh Alasgarov Former Vice President of SOCAR Chairman of the Board, Alat Free Economic Zone
11:15 – 11:45	Coffee Break
11:45 – 13:00	Strategic Cooperation for Sustainable Energy Security Mr. Barış Altıparmak General Manager, KOLIN Azerbaijan
13:00 – 14:00	Luncheon
14:00 – 15:15	Transforming Hydrocarbon Reserves into Green Financial Assets Mr. Israfil Mammadov CEO, State Oil Fund of Azerbaijan (SOFAZ)
15:15 – 15:45	Coffee Break
15:45 – 17:00	Assessment and Formulation of Strategy for SOCAR Mr. Elshad Nasirov Vice President, SOCAR
17:00 – 17:30	Program Evaluation
17:30 – 18:00	Certificates
20:00 – 23:00	Farewell Reception