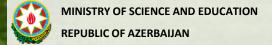
International Conference on the Occasion of the 70<sup>th</sup> Birthday of Professor Messoud Efendiev

22.10.2023 – 26.10.2023

UNEC - Azerbaijan State University of Economics









International Conference on the Occasion of the 70<sup>th</sup> Birthday of Professor Messoud Efendiev

22.10.2023 **–** 26.10.2023

### **Conference Venue: UNEC**

#### **Conference Venue:**

Azerbaijan State University of Economics (UNEC)

Main Building: Istiglaliyyat Street 6, Baku and especially 3rd campus of UNEC Faculties





source: Azerbaijan State University of Economics, homepage

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22.10.2023 **–** 26.10.2023

### **Conference Hotel: Courtyard Baku**

#### **Conference Venue:**

Courtyard Baku by Marriot 300-303 quarter, Baku AZ1009 Azerbaijan



#### source: https://www.facebook.com/ CourtyardBaku/?locale=sw\_

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22.10.2023

23.10.2023

24.10.2023

25.10.2023

26.10.2023

# Preliminary Program 22. & 23. October 2023

	22. October 2023	
	Arrival of the participants	
	23. October 2023	
09:00 - 10:30	Visit of the tomb of national leader Heydar Aliyev and the alley of martyrs	
10:30 - 11:00	Registration of the participants in the 3rd campus of UNEC Faculties	
11:00 – 12:45	Opening Ceremony	
12:45 – 14:00	Lunch in the 3rd campus of UNEC Faculties	
14:00 – 14:20	Michael Cant: War and Peace Since Life Began: How Intergroup Conflict Shapes the Evolution of Biological Societies	
14:25 – 14:45	Konstantin Khanin: First Passage Percolation in Random Potentials of the Product Type	
14:50 – 15:10	Manfred Büchele: Nonlinear Phenomena and Possible Significance in Fruit Growing Research	
15:15 – 15:35	Hermann Eberl: A Spatio-Temporal Model of Fireblight During Bloom	
15:40 – 16:00	Coffee break	
16:00 – 16:20	Mitsuharu Otani: Existence and Nonexistence of Global Solutions for Fujita-Type Equations with Some Nonlinear Boundary Conditions	
16:25 – 16:45	Massimo Grossi: Critical Points of Semi-Stable Solutions of Laplace-Beltrami Operator on Surfaces	
16:50 – 17:10	Feridun Hamdullahpur: Deep Convolutional Surrogates and Freedom in Thermal Design	
17:15 – 17:35	Hans Knüpfer: Optimal size for magnetic domains in Thin Ferromagnetic Films	
17:40 – 18:40	Dinner in the 3rd campus of UNEC Faculties	
Drive to the Hajibeyov Baku Academy of Music		
19:30 –	Concert at the Hajibeyov Baku Academy of Music	

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### The Tomb of National Leader Heydar Aliyev and the Alley of Martyrs

#### Venue:

Tomb of national leader Heydar Aliyev and the alley of martyrs Memorial Nagorny Park, Baku







sources: Ministry of Youth and Sports, webpage; Ministry of Science and Education, webpage; wikipedia

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22.10.2023 **–** 26.10.2023

# The Hajibeyov Baku Academy of Music

#### **Concert Venue:**

The Hajibeyov Baku Academy of Music Azerbajan Prospect 23, Baku





source: wikipedia

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# **Preliminary Program 24. October 2023**

	24. October 2023 (morning)
08:30	Bus transfer from hotel to UNEC campus
09:00 – 09:20	Sivabal Sivaloganathan: A Coupled PDE Model of High Intensity Ultrasound Heating of Biological Tissue
09:25 – 09:45	Sevda Isayeva: Transmission Acoustic Problems for Nonstationary Equations
09:50 - 10:10	Taylan Sengül: Two Approaches to Instability Analysis of the Viscous Burgers' Equation
10:15 – 10:35	Araz R. Aliev: On the Conditions for the Existence of Smooth Solutions from Sobolev- Type Space for two Classes of Fourth Order Operator-Differential Equations
10:40 - 11:00	Coffee break
11:00 – 11:20	Vahid Kadymov: Contact Problems of Plastic Flow in a Thin Layer: Theory, Boundary Value Problems, Solutions and Applications
11:25 – 11:45	Akiko Morimura: Weak Solvability for Nonlinear Parabolic Equations Having Non- Monotone Boundary Conditions
11:50 – 12:10	Tibor Krisztin: Periodic and Connecting Orbits for MacKey-Glass Type Equations
12:15 – 12:35	Yihong Du: Propagation Dynamics of the Nonlocal KPP Equation with Free Boundaries
12:40 - 14:00	Lunch in the 3rd campus of UNEC Faculties

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# **Preliminary Program 24. October 2023**

	24. October 2023 (afternoon)	
14:00 – 14:20	Carlos Rocha: On the Structure of the Infinitesimal Generators of Semigroups with Discrete Lyapunov Functionals	
14:25 – 14:45	Varga Kalantarov : Stablizaition of Solutions to Equations Modelling Dynamics of Viscoelatic Fluids	
14:50 – 15:10	Toyohiko Aiki: New Mathematical Model for Elastic Collision	
15:15 – 15:35	Florian Rupp: Modeling & Simulating the Stochastic Dynamics of Games with Three Pure Strategies	
15:40 – 16:00	Coffee break	
16:00 – 16:20	Radosław Czaja: Finite-Dimensional Global and Exponential Attractors for Some Fourth Order Problems in R^N	
16:25 – 16:45	Anibal Rodriguez-Bernal: Homogeneous Spaces, Operators and Semigroups: Optimal Estimates, Spectral Analysis and Perturbations	
16:50 – 17:10	t.b.c.	
17:15 – 17:35	t.b.c.	
Walking tour in Icerisher (historic part of Baku)		
19:00 – 22:00	Banquet at the Mugam Restaurant	

International Conference on the Occasion of the 70<sup>th</sup> Birthday of Professor Messoud Efendiev

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# Some Impressions of Iceriseher (Historic Part of Baku)







source: wikipedia

International Conference on the Occasion of the 70<sup>th</sup> Birthday of Professor Messoud Efendiev

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# **Some Impressions of the Mugam Restaurant**

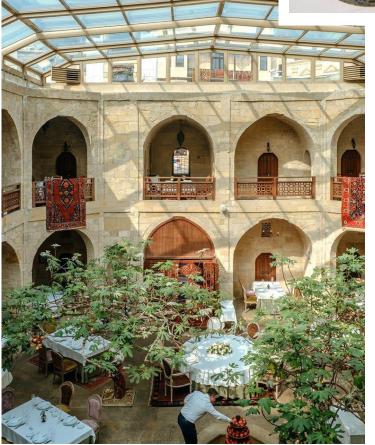
### **Banquet Venue:**

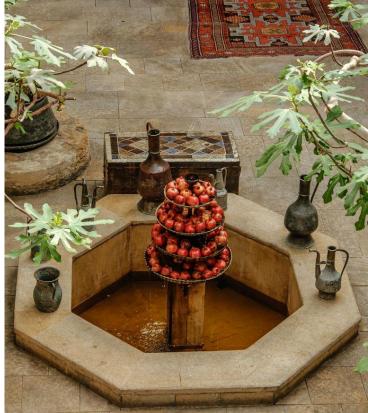
Mugam Restaurant Haqiqat Rzayeva Steet 9, Baku











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# **Preliminary Program 25. October 2023**

	25. October 2023 (morning)
08:30	Bus transfer from hotel to UNEC campus
09:00 - 09:20	Tomomi Yokota: Boundedness in a Degenerate Chemotaxis System for Tumor Invasion
09:25 - 09:45	Umayra Taghiyeva: Climate Change as a Nonlinear Phenomenon
09:50 - 10:10	Ali Ashher Zaidi: Pantograph Type Partial Differential Equations and Tumor Growth
10:15 – 10:35	Yoichi Enatsu: Semi Wave Solutions for a Diffusive SI Model with Free Boundary
10:40 - 11:00	Coffee break
11:00 – 11:20	Stefanie Sonner: Degenerate Reaction Diffusion Systems Modeling in Biofilm Growth
11:25 – 11:45	Mads Peter Sørensen: Reaction Diffusion Advection Induced Growth Patterns of Biofilms in a Centrifugal Lab-on-a-Disc Platform
11:50 – 12:10	Ekkehard Holzbecher: On Mass Transport in Sediments and Soil
12:15 – 12:35	Elena Popova: Stability of a Spacecraft Equipped with a Sail Moving Along an Intense Laser Beam
12:40 – 14:00	Lunch in the 3rd campus of UNEC Faculties

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25.10.2023

26.10.2023

# **Preliminary Program 26. October 2023**

	26. October 2023
08:30	Bus transfer from hotel to UNEC campus
09:00 - 09:20	Anzor Beridze: On Axiomatic Homology Theory of General Topological Spaces
09:25 - 09:45	Roland Duduchava: Shell Equation Derived by the \Gamma-Convergence
09:50 - 10:10	Kota Kumazaki: On a Multiscale Problem Describing Water Swelling in Porous Materials
10:15 – 10:35	Jacky Cresson: Dynamics of Stochastic Hamiltonian Systems
10:40 - 11:00	Coffee break
11:00 – 11:20	Rövshan Khalilov: Iron-Containing Nanoparticles in Biological Systems and its Biomedical Applications
11:25 – 11:45	Aziz Eftehari: Combination of in Vitro and Mathematical Investigations by Adverse Outcome Pathway to Identify Toxicants of the Mitochondria
11:50 – 12:10	t.b.c.
12:15 – 12:35	t.b.c.
12:40 – 13:00	Closing ceremony

International Conference on the Occasion of the 70<sup>th</sup> Birthday of Professor Messoud Efendiev

22.10.2023 **–** 26.10.2023

### **Committees**

### **Scientific Committee:**

- A. Benilan (Spain)
- H. Berestycki (France)
- Y. Du (Australia)
- F. Hamel (France)
- M. Sörensen (Denmark)
- M. Otani (Japan)
- C. Rocha (Portugal)
- F. Rupp (Germany)
- A. Stevens (Germany)
- S.M.Verduyn Lunel (The Netherlands)
- J. Webb (United Kingdom)
- J. Wu (Canada)

### **Local Organizing Committee:**

- Cabinet of Ministers, Republic of Azerbaijan
- Ministry of Science and Education, Republic of Azerbaijan
- State Committee on Work with Diaspora, Republic of Azerbaijan
- UNEC Azerbaijan State University of Economics
- BDU Baku State University
- IMM Institute of Mathematics and Mechanics

