



## BAKU INTERNATIONAL HUMANITARIAN FORUM

### XXI: hopes and challenges

Baku 10-11 October 2011



## PROGRAM

**October 10,  
2011**

09.00-16.00 – Gulistan Palace

- Registration, opening ceremony, plenary sessions

16.30-17.30 – Baku State University

- Ceremony of awarding the diploma of the Honorary Doctor of Baku State University to the Nobel Prize Laureate, professor Ahmed Hasan Zewail

20.00 – Buta Palace

- Official reception in honour of the participants



### Baku International Humanitarian Forum “XXI: hopes and challenges” Sectional sessions of the forum: “Modern technologies that changed the world” Baku State University



**October 11,  
2011**

10.00-10.05 Opening ceremony: Welcome speech by rector of Baku State University, academician A.M.Maharramov

10.05-10.10 Opening remarks of the moderator: academician V.A.Sadovnichy, rector of Moscow State University named after M.V.Lomonosov.

#### **Session 1: Modern technologies and global catastrophes** **Moderator: V.A.Sadovnichy, academician, rector of Moscow State University named after M.V.Lomonosov, Russian**

10.10 – 10.30 Modern technologies and their role in global ecological and social catastrophes. By academician V.A.Sadovnichy, rector of Moscow State University named after M.V.Lomonosov, Russia (in Russian).

Debates and discussions

10.30 – 10.40 The school – digital reality. By corresponding member of Russian Academy of Sciences Semenov A.V., Russia (in Russian).

10.40 – 10.50 Modern technologies: factor of social development. By Velizade E.T., Deputy Minister of Communication and Information Technologies, Azerbaijan (in Russian).

10.50 – 11.00 On Information Protection. By Gashkov S.B., professor of Mechanical-Mathematics Faculty of Moscow State University named after M.V.Lomonosov, Russia (in Russian).

11.00 – 11.10 Global Problems and Human Development. By professor Efendiyev F.M., Philosophy Department, Baku State University Azerbaijan (in Russian).

11.10 – 11.30 Coffee-break

**Session 2: The role of modern technologies in integration processes in Science and Education in the period of Globalization.**

**Moderator: A.M.Maharramov, academician, rector of Baku State University, Azerbaijan**

11.30 – 11.50: *Balanced Development of Science and Education in the period of fast development of intensive technologies.* By academician Maharramov A.M., rector of Baku State University, Azerbaijan (in Russian)

*Debates and discussions*

11.50 – 12.00: *Ecolinnovation and Holistic Engineering for Sustainable Development.* By professor Eden Mamut, Ovidius University, Romania (in English)

12.00 – 12.10: *Globalization and Modern Technologies.* By professor Hassanov R.H., Chair of Biophysics and Molecular Biology Department, Baku State University, Azerbaijan (in English)

12.10 – 12.20: *Nanotechnology and New Energy Alternatives.* By Professor Ismat Shah S., Materials Science and Engineering, Physics and Astronomy Department, Senior Policy Fellow in Center for Energy and Environment Policy at University of Delaware, USA (in English)

12.20 – 12.30: *The role of new Technologies in Social Progress.* By professor Hajiyeva M.T., Sociology Department, Baku State University, Azerbaijan (in Russian)

12.30- 12.40: *The Impact of Information Technologies on the Labor Market.* Eyyubov K., PhD student, Baku State University, Azerbaijan (in English)

12.40 – 13.00 *University tour and opening ceremony of NANO Center at BSU*

**Session 3: Modern Technologies and Sustainable Development**

**Moderator: A.Dogramaci, professor,  
President of Bilkent University, Turkey**

14.30 – 14.50: *The role of Modern Information Technologies in the formation of Global Society.* By corresponding member of ANAS Allgulyev R.M., Director of Institute of Information Technology, Azerbaijan (in Azerbaijani)

*Debates and discussions*

14.50 – 15.00 *Channel polarization: A new paradigm in information theory.* By professor Arkan Erdal, Bilkent University, Turkey (in English)

15.00 – 15.10 *Interventional Magnetic Resonance Imaging.* Professor Atalar Ergin, Bilkent University, Turkey (in English)

15.10 – 15.20 *Dissipation in Finite Thermal Baths with Linear Oscillators.* By professor Akay Adnan, Bilkent University, Turkey (in English)

15.20 – 15.30 *Load balancing for Large Scale Parallel Computing.* By professor Akanat Cevdet, Bilkent University, Turkey (in English)

15.30 – 15.40 *Nanocrystal Excitronics for High-Quality Semiconductor Lighting.* By associate professor Hilmi Volkan, Bilkent University, Turkey (in English)

*15.40 -15.50 Summarizing and closing remarks.*

*15.50 -16.00 Closing ceremony of discussion.*



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