



# **UNITWIN/UNESCO CHAIRS PROGRAMME**

## ***PROGRESS REPORT – 2000***

**of the UNESCO Chair  
*in Higher Technical Education,  
Applied System Analysis and Informatics*  
at the NTUU'KPI'**

**UNESCO Chair  
in Higher Technical Education,  
Applied System Analysis and Informatics  
at the National Technical University of Ukraine  
'Kyiv Polytechnic Institute'**



**NTUU'KPI' – KYIV - UKRAINE**

## UNITWIN/UNESCO Chairs Programme Progress report – 2000

Period of activity: **01.01.2000 – 31.12.2000**

Title of the UNESCO Chair: **Higher Technical Education, Applied  
System Analysis and Informatics**

Report established by: **Michailo Zgurovsky**

Function/Title: **Chairholder**

### Address

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## Activities

### 1. Conferences/Congresses/Meetings

The following conferences/congresses/meetings took place under the aegis and/or with the assistance of the UNESCO Chair:

- International Conference RUFIS-2000 ('The Role of Universities in the Future Information Society') titled **Science and Humanities Education in the Information Society**; September 25-29, 2000; National Technical University of Ukraine 'Kyiv Polytechnic Institute', Kyiv, Ukraine;

**Partners:** Ministry of Education and Science of Ukraine, Rectors of Technical Universities

Association of Ukraine, National Technical University of Ukraine 'Kyiv Polytechnic Institute', Institute for Applied System Analysis, International University of Finance;

**Participants** 46

**Geographical coverage** for participants and partners: **National, Eastern and Central Europe, Western Europe, North America** (Ukraine, Russia, Poland, USA, Sweden)

- International Congress 'Information society in Ukraine – state of arts, problems and perspectives'  
*September 25-27, 2000*; National Technical University of Ukraine 'Kyiv Polytechnic Institute', Kyiv, Ukraine;

**Partners:** Cabinet of the Ministers of Ukraine, State Committee of the Connection and Informatization of Ukraine, State Committee of the Information Policy, Television and Radio of Ukraine, Ministry of Education and Science of Ukraine, National Academy of Sciences of Ukraine, National Technical University of Ukraine 'Kyiv Polytechnic Institute' with EU-Commission assistance

**Participants** 240

**Geographical coverage** for participants and partners: **International** (Ukraine, Russia, Germany, USA, etc.)

### 2. Missions / Travels abroad

- **Meetings of Experts** 'Education via the Internet', Minsk, Belorussia, February, 2000
- **Workshop** 'Internet Usage in Education', Minsk, Belorussia, February, 2000
- **Expert Meeting** 'Distance Education: Structure, Methodology, Staff Development and Legal Aspects', IITE, Moscow, Russia, March 23-24, 2000
- **Workshop** 'Distance Education: Networking and Staff Development' IITE, Moscow, Russia, March 24-25, 2000.

- **Working Meeting** on Activities of the European Focal Points for the Cooperation with IITE, Prague, Czech Republic, 25-26 October, 2000,
- **Workshop** 'Information and Communication Technologies in Education', 27 October, 2000, Prague (Czech Republic).

### 3. Information and documentation activities

A new virtual labor was established on the base of the Faculty of Aircraft and Space Systems of NTUU 'KPI'.

An electronic librarian system for information gathering, processing and/or searching was built up for students, teachers, researchers, and scientists.

During that year, the Chair was continuing to improve its own infrastructure. The Chair's branch were established at the each faculties of National Technical University of Ukraine 'Kyiv Polytechnic Institute'. Subdivisions of the UNESCO Chair were also established at the Departments of NTUU 'KPI'.

## IV. Impact

Please describe shortly (one page maximum) the impact of the mentioned activities on the human, social, economical and cultural development at national, regional or international level.

## V. Forthcoming activities

**April 19-21, 2001** – WISTCIS Kick-off Conference 'Teleworking in Research, Medicine and Business'

**Funded** by Information Society Technologies Programme; European Commission,

**Coordinated** by 'Earth Data Network for Education and Scientific Exchange' (EDNES) Organized by National Technical University of Ukraine 'KPI', Institute for Applied System Analysis, of National Academy of Sciences of Ukraine, Ukrainian EDNES branch

**Venue** National Technical University of Ukraine, Kiev, Ukraine

**Themes of the conference and EU and CIS organizations and projects invited:**

*-Telematics for Research including Environmental and Earth science*

- Spatial Mining for Data of Public Interest (SPIN, Germany)
- EU Joint Research Centre, Institute for System, Information and Safety (JRC ISIS, Italy)
- EU Joint Research Centre, Institute for Prospective Technological Studies (JRC IPTS, Spain)
- V-LAB (ISTC)
- UNESCO Institute of Information Technologies in Education (IITE), Moscow; Russia

*-Telemedicine*

- Institut Graphische Datenverarbeitung (IST prize winner, Germany/Greece/UNESCO)
- KPI Centre for Telemedicine
- Ministry of Health care of Ukraine

*-Teleworking in business; electronic commerce*

- INSIDE Technology (Danmark),
- ILOG Communicator (IST prize winner, France)
- Louis Dreifus (France)
- ROSAS (The Netherland)
- ITUnion (Russia)

*-Building the new EU-CIS projects for IST*

- Collaborative browsing (COBROW, Germany)
- Training course on EC 5<sup>th</sup> Framework Programme (PricewaterhouseCoopers, PwC)
- Training course on IST (PricewaterhouseCoopers, PwC)
- UNESCO/BSTC Microsoft office distant education course
- CNRS (France)
- The British Council

*-Exhibition of telematic products*

**May 21-23, 2001** - International Conference of Rectors of Technical Universities of CEE and CIS Countries 'Higher Technical Education on the Turn of the Centuries'

**Partners:** European Centre for Higher Education (CEPES), National Commission of Ukraine for UNESCO, Ministry of Education and Science of Ukraine, Association of Rectors of Technical Universities of Ukraine, UNESCO Institute for Information Technologies in Education (IITE)

**Participants** ~100

**Geographical coverage** for participants and partners: CEE and CIS Countries

**Objectives:**

- The Role and Significance of Higher Technical Education in the Modern Society.
- Ways of Higher Technical Education Transformation in Early 21 Century.
- Methodology Rationale of the Pedagogical and Scientific Activities at Higher Technical Schools.
- The Role of the Technical Universities in Future Society Informatization.
- Higher Technical Education, Natural Sciences, and Modern Industry Integration as the Mainstream of Society Progress.
- Correlation among Natural Sciences, Higher Technical Education, and Humanitarian Development of Society.

**Annex 1**

## **Target groups**

Graduate students;  
Postgraduate students;  
Academics;  
Teachers from technical education;  
Teachers from adult education

**Annex 2**

## **Outputs**

### **Publication**

**Title of activity: International Congress 'Information society in Ukraine – state of arts, problems and perspectives'**

Title: State and Perspectives of Information Technologies Development in Ukraine

Author(S): I. Sergienko, M. Zgurovsky

Year: 2000

Type of document/material:

- Book
- Periodical
- Others (*specify, please*)                      **Proceedings of the Congress**

Language(s) Ukrainian

Main keywords (4 or 5): information technologies, information society, informatization

**Title of activity: Conference 'Ukraine at the beginning of the 21 century: reforms lessons and development strategy'**

Title: The Scientific Intelligentsia and Social Progress

Author(S): M. Zgurovsky

Year: 2000

Type of document/material:

- Book
- Periodical
- Others (*specify, please*)                      **Proceedings of the Conference**

Language(s) Ukrainian

Main keywords (4 or 5): science, intelligentsia, society, progress

**Title of activity: Meeting of experts 'Education via the Internet' and the Workshop 'Internet usage in education'**

Title: The system analysis of distance learning

Author(S) M. Zgurovsky, N. Pankratova

Year 2000

Type of document/material:

- Book

- Periodical
- Others (*specify, please*)                      **Proceedings**

Language(s) English

Main keywords (4 or 5): system analysis, distance education, distance learning

**Title of activity: Workshop: Distance education: networking and staff development IITE**

Title: The distance learning in Ukraine.

Author(S): N. Pankratova

Year 2000

Type of document/material:

- Book
- Periodical
- Others (*specify, please*)                      **Collected materials**

Language(s) English

Main keywords (4 or 5): distance education, distance learning

**Title of activity: Information and communication technologies in education**

Title: Activity of Focal Point in Ukraine

Author(S): M. Zgurovsky, N. Pankratova

Year 2000

Type of document/material:

- Book
- Periodical
- Others (*specify, please*)                      **Collected materials**

Language(s) English

Main keywords (4 or 5):

**Title of activity: National Commission of Ukraine for UNESCO Affairs, Anniversary Bulletin 'Look in the 21 century'**

Title: Social Progress and the Scientific Intelligentsia

Author(S): M. Zgurovsky

Year: 2000

Type of document/material:

- Book
- Periodical
- Others (*specify, please*)                      **Bulletin**

Language(s) Ukrainian

Main keywords (4 or 5): science, intelligentsia, society, progress.