

Application form

Summer School “Intelligent systems – 2002”.

Dead line – April 15, 2002

I wish to be registered in Summer School of IS–2002

First name: _____

Last Name: _____

Organization or University: _____

Academic status, degree: _____

Contact address: _____

E-mail: _____

Fax: _____ Phone: _____



After registration fee should be transferred to the account of Sumy State University with mark

“Summer school of IS – 2002” or on arrival to participate at School.

E-mail:is02@ sumdu.edu.ua

E-mail:pm@sumdu.edu.ua

For more detail information:

<http://www.sumdu.edu.ua/konf/is02.html>

The second information announcement is planned to be done till May, 01, 2002.

**MINISTRY OF EDUCATION AND
SCIENCE OF UKRAINE
SUMY STATE UNIVERSITY
PETROLEUM GAS
UNIVERSITY PLOIESTI,
ROMANIA
UNIVERSITY OF PETROSANI,
ROMANIA**



***Announces of organization of
international summer
scientific-practical school***

Bank essential elements

BANKERS TRUST COMPANY New York USD
04094040 BKTRUS33
in favour of UKRSOTSBANK, KYIV, UKRAINE
for further crediting acc. (USD) 3901915096
SUMY UKRSOTSBANK
for Sumy State department, acc (260050121840)
in ZARECHNOE department
for summer school IS-2002

The Organizational Committee IS – 2002 address

Usatenko Tatiana
Applied Mathematics Department
Sumy State University
Ukraine, 40007, Sumy, Rimsky-Korsakov str. 2
Tel.: (38 0542) 33-50-55

"INTELLIGENT SYSTEMS" – IS-02

held in a rest-center of
Sumy State University
in Gurzuf (Crimea, Ukraine)

20-30 June, 2002

The first information announcement

General regulations

1. The organizer of school – Department of Applied Mathematics of Sumy State University (Sumy, Ukraine).
2. Classes are taken by the leading Ukrainian and foreign scientists – specialists in sphere of artificial intelligence.
3. School carries out both theoretical classes – in the form of lectures and practical ones with demonstration of scientific developments.
4. Classes at School are alternated with a rest at the Black Sea coast, tours on South coast of Crimea and cultural program.

5. School will be working during 10 days in the second half of June, 2002.
6. Participation in School costs \$350, including accommodation and meals.
7. The classes are taken in English and Russian.

The goal of School – studying theory and modern methods of designing the intelligent systems of support and adoption of decisions in various spheres of science and technology.

School working program

Lesson 1. Introductory lecture. Analytical review of the problem of the elaboration of intelligent systems.

Lesson 2-3. Lecture. Direct method of information synthesis of learning intelligent systems. Discriminant classified analysis. Factorial classified analysis. Cluster analysis (self-learning). Mathematical models. Algorithms of learning.

Lesson 4. Practical class. Realization of algorithms of automatic classification with the help of computer. Display of examples of images recognition.

Lesson 5-6. Lecture. Methods of processing and recognition of visual images. Recognition of contours. Recognition of punctual images. Recognition of frames. Recognition of textures. Recognition of electron-diffraction.

Lesson 7. Practical class. Realization of algorithms of recognition of visual images with the help of computer. Display of examples of processing and recognition of visual images.

Lesson 8. Lecture. Knowledge-oriented systems of support and adoption of decisions.

Lesson 9. Practical class. Realization of functional algorithms of knowledge-oriented systems of support and adoption of decisions with the help of computer.

Lesson 10. *Lecture.* Models of displaying the knowledge for systems of distance learning.

Lesson 11. *Practical class.* Distance learning technologies and their computer realization.

Lesson 12. Final lecture and exchange of opinions and suggestions.