Call for Extended Abstracts
The First International Workshop on Cognitonics
in conjunction with the Conference on Cognitive Sciences
(October 12, 2009, Jozef Stefan Institute, Ljubljana, Slovenia)

Co-Chairs: Dr. Vladimir A. Fomichov (*) and Dr. Olga S. Fomichova (**)
(*) State University – Higher School of Economics, Moscow, Russia
(**) State Educational Centre "Dialogue of Sciences", Moscow, Russia

Goals of a new scientific discipline

The quick technological development of modern civilization has brought a lot of precious things to the millions of people: nice cars, TV, cell telephones, etc. However, every coin has two sides. One of the most important negative aspects of the quick technological development are the observed shifts in the systems of values of people. ***The first shift*** is the shift from the eternal values to commercialized values. ***The second shift*** is a consequence of the underestimation of the value of national cultures in contrast to the overestimation of the on-going processes of globalization by the young generation, in particular.

The third shift is dealing with the existing gap between the rational, pragmatic, self-oriented development and spiritually-coloured emotional development of the personality. The expanding gap destroys the integrity of the human nature. Spiritual values are rooted in the developed emotional sphere of the personality. Modern education is focused on the development of cognitive mechanisms being necessary for improving the information processing abilities of the child. As for developing the emotional sphere of the child, there is no *evident* necessity for it. Informational technologies *don't require* the spiritual, emotional development of the person. But it is clear that every intellectual discovery should be followed by equal to it spiritual discovery, lest the present time and challenging prospects should split off the eternity.

There are weighty grounds to believe that the modern information society has accumulated a lot of such problems concerning the development/underdevelopment of the personality that for solving these problems it is necessary and possible to elaborate a unified, fundamental approach. This approach is the creation of a new scientific discipline – ***Cognitonics*** (see Informatica (Slovenia), 2006, Vol. 30, No. 4, pp.387-398).

Cognitonics is aimed at keeping the integrity of the nature of the human being and, consequently, conducing to overcoming a gap between spiritual, emotional and intellectual (rational, pragmatic) development of the person in the new reality of swift changes, technological challenges, and globalization. Cognitonics is studying and looking for the ways of improving cognitive mechanisms of processing information and emotional sphere of the personality – the ways aiming at compensating three mentioned shifts in the systems of values and, as an indirect consequence, for the ways of developing symbolic information processing skills of the learners, linguistic mechanisms, associative and reasoning abilities, being important preconditions of successful work practically in every sphere of professional activity in information society.

From the standpoint of educational practice, Cognitonics proposes an answer to the following question: ***what precious ideas and images*** accumulated by the mankind, ***at***

what age, and in *what a way* are to be inscribed into the conceptual picture of the world of a person in order to harmonize his/her intellectual and spiritually-coloured emotional development.

Cognitonics formulates a new, large-scale goal for the software industry: to develop a new generation of culture-oriented computer programs (in the collaboration with educators, linguists, art historians, psychologists) – the programs intended for supporting and developing creativity, cognitive-emotional sphere, the appreciation of the roots of the national cultures, the awareness of the integrity of the cultural space in the information society, and for developing symbolic information processing and linguistic skills, associative and reasoning abilities of children.

Two Tracks of the Workshop

Track 1: Theoretical foundations of Cognitonics.
Track 2: The methods of designing culture-oriented computer programs of a new generation and the analysis of the accumulated experience of using such programs in educational practice.

The participants of the workshop register for the Multi-Conference "Information Sociaty-2009"

Important Dates

Extended abstract (one-two pages) and/or a Preliminary Registration Form	February 28, 2009
Authors Notification	March 30, 2009
Full Paper (for the Proceedings of Information Society 2009)	April 30, 2009
Authors Invitation (to prepare an expanded paper for a Special Issue of an International Journal or for a Book)	May 30, 2009
Expanded Paper	September 15, 2009

Format and Way of Submitting Abstracts and/or Preliminary Registr. Forms

A plain text message or a Word file with the extension .DOC (not .DOCX) or Word RTF file with the extension .RTF
via e-mail at EACH of the following addresses:
vdrfom@aha.ru;   vfomichov@hse.ru

PRELIMINARY REGISTRATION FORM
```
Last name, First Name, Title (in particular, Ms. or Mr.):
Position, Institution:
Postal Address:
E-mail:
Fax number:
Phone Number (optional):
Do you plan to submit a paper? (optional):  Yes/No
Preliminary title of the paper (if applicable)
Do you plan to attend the Workshop? Yes/No
I need the following technical equipment:
```