Goals and Plan of Work of TRIZ R&D Council in the field of Integration of TRIZ and Information Technologies

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Introduction

TRIZ emerged as an empiric science (technology) having practically universal potential to exert radical influence on other technologies. At the same time, evolution of science and engineering shows that the reverse process – namely, influence of other fundamental technologies on TRIZ – also should take place. Information technologies are among these technologies, and they have radically changed many fields of human activity - such as designing (AutoCAD type systems), social communication and information search (internet) and others. The most recent example is telemedicine.

The problem of studying and developing ways for TRIZ integration with latest achievement of information technologies is becoming more and more urgent, and ignoring this direction would put TRIZ at threat of conversion into relict of the XX century. Based on the above-stated, I would like to propose the following.

Goals

1. Promote the emergence and further development of works devoted to studying and development of methods for TRIZ integration with latest achievements of information technologies.

2. Promote the creation of the next generation(s) of TRIZ processes (algorithms) and tools for wide circle of users.

Preliminary plan

1. To organize an Internet forum (using metodolog.ru and/or other web sites for this purpose) on the subject matter "Needs and Prospects of TRIZ computerization" with the aim to determine the existing situation and points of view of users and developers.

2. To establish a working group to conduct analysis of gathered information and discuss main scientific directions of developments (both already available developments and future developments).

3. To introduce a web site tab page for presenting articles (or brief information on publications) on this subject matter and discussions.