Press release: With the advent of the multilingual program MLIS/MNIS IO 2.2 became possible to solve in any language the tasks of optimizing standard investments for sources of income of any physical nature.

Michael Burlakov - founder of the new information technology of automation of control of discrete technological and information processes (IT AC DTIP), that has a variety of uses, has created on its basis a new multilingual software product of version 2.2 under the name "**Investments optimization (IO 2.2)**". This program, that has conventional (MLIS) and network (MNIS) fulfillments, allows to solve tasks of effective investment of investor's funds in the acquisition of any sources of income for their subsequent realization (maximization of absolute income) or exploitation (maximization of relative income, i.e. of income per time unit).

Definition. *Standard investments* — investments that are characterized by the following three properties: financialness, singleness and informativeness. Property of *financialness* means putting only monetary funds in investment objects (sources of income — SI); property of *singleness* — a one-time investment of a specified amount of money to the selected set of SI, i.e. without the effect of accumulating; property of *informativeness* — the presence of investor's information about the cost of the SI he can buy and of their parameters of profitability.

Program IO 2.2 is a *multilingual* one, alternative languages of which interface are stored in separate files, called *language shells*. It includes two such shells: Russian and English, as well as a special program for their generating by the users themselves. It is designed to solve the tasks of *seven types* on standard investments optimization, namely: to find the effective strategies for investing money in acquisition of different-type SI from their certain set, when is reached either the maximum average *absolute* income from the expected realization of these SI or the maximum average *relative* income from their future exploitation. At that, various restrictions on the return on investment and its risk may be imposed.

The program has *12 modes of localization* on investing in SI of the following *five varieties*: 1) real properties (RP) - two modes; 2) shares in construction (SC) - two modes; 3) piece goods (PG) - two modes; 4) securities (Se) - five modes; 5) any sources of income (SI) - one mode. When one of these localization modes is selected, the user interface of the program is automatically configured.

For the acquisition of SI is allowed to use not only investor's own funds, but also loan funds, being involved at a specific interest rate. As a result of the task solution are found not only the optimal set and parameters of purchased SI of various types, but in the case of absolute income from their realization - the optimal amount of loan that will be spent in this case.

The program provides a function of statistics that allows you to estimate the effectiveness of an investment taking into account the risk factor, and for SI with a spread of profitability parameters - to automatically find the single best strategy by specifying one of the three possible search criteria.

All information about sources of income is stored in their specialized databases (DBSI), the creation and correction of which is provided in IO 2.2. DBSI can be of two types: *unlimited* (with an unlimited number of SI samples of various types) and *limited* (with a limited number of such numbers). In case of using the DBSI of limited type, its automatic correction is provided at solving the current task.

Two variants of IO 2.2 were developed: *conventional* (Multilingual local instrumental system of investments optimization - **MLIS IO 2.2**) and *network* (Multilingual network instrumental system of investments optimization - **MNIS IO 2.2/upc**). MLIS IO 2.2 is an offline program, designed for a particular user (lite version of this program is free). MNIS IO 2.2/upc is designed to provide network services to many users. This system consists of two parts: one remote module of optimization (MO), wherein occurs the synthesis of optimal strategies of SI acquisition, and numerous automated work places (AWPs), which are designed for specific users of the MNIS.

A set of lite version of MLIS IO 2.2 you can download from any of two websites of the author: "Promotion center of IT AC DTIP" (http://promo.dtip-optim.com/en) and "Implement. center of IT AC DTIP" (http://dtip-optim.com/en/main). There you can also solve your tasks in a test mode in full-scale network program MNIS IO 2.2/upc.

The author and creator of MLIS/MNIS IO 2.2 - Michael Burlakov, Doctor of Engineering (Kiev, Ukraine). This program was put into operation in May 2017 (the term of MNIS update to version 2.2/upc - 2018). Areas of its possible using are **business, finance, trade, construction and production**.

Contacts:
e-mail: michael.burlakov@gmail.com
tel.: (+38) 099-012-09-77