

# Algorithm for constructing a metasystem

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## Abstract

The research is dedicated to forming the knowledge of a right way to select an object, which allows in future to upgrade different fields of activity. That way, the elements of usage of organization's resources get worked up, which, in the end result, affects the process of recovering and creating a link between objects inside the system.

*Keywords:* design, expertise, contradiction, object, procedure, goals, approbation

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## 1 Introduction

There were prerequisites for the research. First is about orientation on the design technology of system creation that allows to find non-standard solution for realization within the short time scope [1-3]. Second is about the expert approach that allows within the composition of purposeful system gain motivated conclusions along whole lifecycle of its realization [4]. Taking into consideration mentioned prerequisites, current research authors may face contradiction expressed in a way how to combine design and artistic forms of actions with expert tools for work with approved scientific data.

On it's background there is highlighted a problem of the research that is mainly about impossibility of correct way of making the object notable without proper resources of understanding its strategic position. Therefore, an object of the research is the development of skill of defining coordinates of position that is calculated on the basis of constructed hierarchical system of values.

## 2 Method

Addition to technologies of design using a way of expertise allows the building of a metasystem [5].

In this link, the point of research is aimed towards development of a procedure that provides the building of a metasystem.

In accordance with the formed aim, following tasks were given:

- Finding the reasons that disturb the realization of creation of the systems;
- Development of parameter systems, that allow for grading the level of organization's functionality;
- Development of a set of proposals revealing the advantages of metasystems;
- Development of requirements given to a metasystem;

Solving of tasks leads not only to the formation of systematic thinking [6], but also allows to acquire the skills of management [7].

## 3 Results

The proposed approach is tested in terms of assessing the anti-crisis state of the enterprise [8].

## References

- [1] Остервальдер А 2013 *Построение бизнес-моделей. Настольная книга стратега и новатора* Москва: Альпина Паблишер 288 с
- [2] Минцберг Г 2004 *Структура в кулаке: создание эффективной организации* Питер: Питер 512 с
- [3] Щедровицкий Г П 1995 *Избранные труды* Москва: Школа Культурной Политики 800 с
- [4] Лубиницкая С А 2006 Экспертиза инвестиционных проектов как инструмент управленческого решения *Экономика и управление* 2 108
- [5] Косяков А, Свит У, Сеймур С, Бимер С 2014 *Системная инженерия. Принципы и практика* Москва: ДМК Пресс. 624 с
- [6] Сенге П 2009 *Пятая дисциплина: искусство и практика самообучающейся организации* Москва: Олимп-бизнес 448 с
- [7] Пригожин А И 2015 *Управленческие идеи: Вы какое положение на рынке хотите занять? Как для этого должна измениться Ваша организация?* Москва: ЛЕНЕНД 480 с
- [8] Бланк И А 2006 *Система антикризисное управления предприятия: важнейшие принципы и этапы* Киев: Ника-центр