

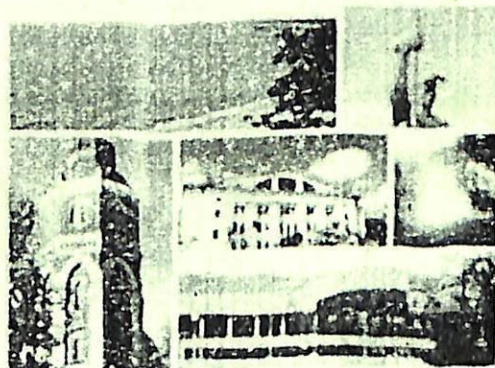


МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
ДЕРЖАВНИЙ ВИЩИЙ НАВЧАЛЬНИЙ ЗАКЛАД
"ПРИКАРПАТСЬКИЙ ДЕРЖАВНИЙ ТЕХНІЧНИЙ
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МІЖНАРОДНА
НАУКОВО-ТЕХНІЧНА КОНФЕРЕНЦІЯ

ТЕЗИ ДОПОВІДЕЙ



м. Маріуполь
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проривного інноваційного вдосконалення. Все в організації (діяльність, процес, продукт, послуга) періодично аналізується: «як можна зробити це краще». При цьому використовуються творчі здібності співробітників та інших зацікавлених сторін, створюються умови і стимули для творчості.

Побудова партнерських відносин. Кращі організації не обмежують вдосконалення діяльності своїми юридичними межами, а прагнуть покращувати всі фактори, що впливають на в досягнення їх місії і бачення. Вони активно шукають і залучають партнерів (постачальників, дилерів, освітні та наукові установи, громадські організації і т.д.), які готові спільно з ними брати участь в цьому поліпшенні.

Прийняття відповідальності за стає успішне майбутнє.

Досконала організація прагне забезпечити сталий розвиток в довгостроковій перспективі. Вона не робить дій, які можуть негативно вплинути на такий розвиток, навіть якщо ці дії дозволяють досягти кращих короткострокових результатів. Зокрема, організація розуміє, що дотримання етичних правил і норм є важливим фактором сталого розвитку. Ключовою умовою сталого майбутнього організації є стійке майбутнє суспільства, в якому ця організація працює.

Концепції досконалості, по суті своїй, є соціально орієнтованими. Для успіху необхідна підтримка суспільства і держави.

GENETIC APPROACH TO THE DEVELOPMENT OF SOCIAL PRODUCTION ORGANIZATION

V. I. Savenko, Ph.D. Doctor of Science (RF) Professor at Kyiv National
University of Civil Engineering and Architecture Ukraine

A. Kuzior, Doctor of Science, Professor, Department of Applied Sciences,
Silesian University of Technology, Silesia Poland

Organizational genetics has helped to better understand how to create successful organizations and to create a prosperous state, it is necessary to turn to a unique experience of nature. How certain organisms with predetermined properties are reproduced here It is known that these questions are answered by genetics, which is an integral part of the biological sciences. But modern science has not only focused on individual biological "individuals", but also offers us to perceive the whole of Humanity not just as an aggregate of people, but as the only living organism with all its characteristics - genes, genome, genotype, phenotype, functional components of the organism, stages of its development. This also applies to organizations of various types, formed for the purpose of performing

various works, including for the production of goods and services. In the scientific literature, such phrases as "genome of enterprise", "genome of organization", "genome of society", "sociogenetic approach" to the study of organizational culture are mentioned. The potential of social genetics as an area of progressive and relevant knowledge, as a scientific system that expands the methodological horizons of sociology, substantiated in the works of leading scientists F. Guiyar, D. Kelly, A.I. Subetto, Yu.V. Jacob. Sociogenetics is a synthesis of scientific knowledge that E. Giddens and P.A. Sorokin was defined as the highest level of scientific creativity, and O.O. Bogdanov, V.I. Vernadsky, E.N. Knyazev, N.D. Kondratiev, A.I. Unfortunately, their works are not studied in depth enough by the descendants. On the socio-genetic approach in the process of researching the organizational culture of companies relies on the doctor of sociological sciences Shapovalova I.S. (Belgorod State National Research University). She argues that sociogenetics allows for the creation of new social models and technologies for the study and management of an organization's social resources. Candidate of Economic Sciences, Associate Professor Novikov O.V. (St. Petersburg State Maritime Technical University) examines the evolutionary theory of economics and the theory of genetic engineering of production systems and notes that the modern theory of economic evolution proceeds from the existence in the organizations of some analogues of the biological genome, the so-called "organizational routines", which are common organizational rules. He also believes that the genome of an organization is a fundamental unit of selection. And the doctor of medical and philosophical sciences, professor Astafiev B.A. states that "the most important event in the development of our planetary civilization and the beginning of a new era was the discovery of the Genome of the World and the Evolutionary Algorithms of the World, as well as a large set of Universal Laws of the World".

The aforementioned and a number of similar statements provide a basis for changing perceptions of creating successful organizations and enhancing their effectiveness, making it possible to think differently about the methods of improvement used in practice and, to some extent, to use "biological approaches" to grow successful organizations.

Of particular interest are, above all, concepts such as gene and genome (set of genes, or set of inherited material enclosed in an organism's cell), because it contains all the information necessary to build and maintain the body. As "cells" can be considered: for the organization - its employees, and for the state - its organization.

There are many models and concepts for the excellence of systems. A comprehensive study of successful organizations to highlight the

fundamental concepts of their excellence is very important and valuable information to enhance the overall culture of production. organization.

The use of concepts enables hundreds of thousands of organizations across the globe to better understand the laws of success, to formulate a code of conduct for them, and on that basis, to improve, improve, and speed faster. At the same time, their business culture, competitiveness increases, high end results are achieved, and stakeholders are satisfied. Concepts of excellence, reflecting organizational culture, in the EFQM (European Foundation for Quality Management) version - the "trendsetter" in the part of perfect organizations on the European continent.

Achieving balanced results. Any activity or initiative of an organization can only be highly appreciated if it achieves the intended results, and the achievement of these results, in turn, promotes the mission and vision. A sophisticated organization is able to evaluate all areas of its activity by designing a single system of performance metrics - from global mission accomplishment indicators to operational indicators at the lower levels of management.

Adding value to consumers Successful organizations are actively seeking opportunities to offer consumers new values that will meet or exceed their expectations.

Managing through vision, inspiration and honesty.

The leaders of successful organizations have a vision of the future organization, bright and clear enough to inspire all staff to creatively work to achieve it. Process management.

A perfect organization views all its regular activities as a structured system of interconnected processes and manages it as processes.

Succeeding through people.

The best organizations view employees not as a resource, but as equal partners in improving their activities. They seek to balance the goals of the organization and the personal goals of each employee.

Growing creativity and innovation.

Advanced organizations are actively seeking and coming up with opportunities to improve their business, including for breakthrough innovative improvement. Everything in the organization (activity, process, product, service) is periodically analyzed: "how can we do it better". It uses the creative abilities of employees and other stakeholders, creates the conditions and incentives.

Building partnerships The best organizations do not limit the improvement of their legal boundaries, but seek to improve all the factors

that affect the achievement of their mission and vision. They are actively seeking and engaging partners (suppliers, dealers, educational and research institutions, NGOs, etc.) who are willing to work with them to improve this.

Accepting responsibility for a sustainable successful future.

A perfect organization strives for sustainable development in the long run. It does not take any action that may adversely affect such development, even if these actions may produce better short-term results. In particular, the organization understands that compliance with ethical rules and regulations is an important factor in sustainable development. A key condition for a sustainable future organization is the sustainable future of the society in which the organization operates.

The concepts of excellence are, in their essence, socially oriented. Success requires the support of society and the state.



СЕКЦІЯ: АВТОМАТИЗАЦІЯ ТА МЕХАНІЗАЦІЯ ЗВАРЮВАЛЬНОГО ВИРОБНИЦТВА

СОВЕРШЕНСТВОВАНИЕ ПРИНЦИПОВ КОНСТРУИРОВАНИЯ ОБОРУДОВАНИЯ ДЛЯ АВТОМАТИЧЕСКОЙ СВАРКИ ПОД ФЛЮСОМ СТЫКОВЫХ СОЕДИНЕНИЙ ЛИСТОВЫХ ПОЛОТНИЩ

В. А. Роянов, проф., д-р техн. наук, ГВУЗ «ПГТУ»,
П. В. Коросташевский, ст. преподаватель, канд. техн. наук, ГВУЗ
«ПГТУ», И. В. Захарова, доц., канд. техн. наук, ГВУЗ «ПГТУ»

Стыковые соединения листовых полотнищ из листов толщиной $(6 - 16) \times 10^{-3}$ м и длиной до 12 – 16 м в судостроении (полотнища блоков корпусов судов) и в вагоностроении (полотнища обечаек котлов железнодорожных вагонов-цистерн) выполняются специальными сварочными автоматами плавящимися электродами под слоем флюса сварочной проволокой диаметром $(3 - 5) \times 10^{-3}$ м. Скорость сварки при этом составляет 12 – 120 м/час.

Основной тип используемых для этих целей сварочных автоматов – это подвесные головки типа А-1416, хорошо зарекомендовавшие себя в сварочном производстве. Интенсивная эксплуатация таких головок показала надежную работу этого оборудования в условиях массового производства различных сварных металлоконструкций. В то же время, были выявлены некоторые конструктивные недостатки, учет которых при создании новых