

Preface

This collection of scientific papers is dedicated to the 120th anniversary of the founding of the National Mining University of Ukraine (Dnipro, Ukraine). According to P. Samuelson's definition economics is a science of how society uses certain limited resources for the production of useful products and distributes them among various groups of people. Based on this the economy of the enterprise is a science of how this process is carried out within each individual enterprise. The offered collection of scientific publications contains purposeful development of theoretical knowledge on economic activity of industrial enterprises on example of Ukrainian economy.

As market conditions the enterprise must produce products and services demanded by society for the development and prosperity of the country's economy. Such enterprise must have qualified personnel that, achieve economical use of resources for production processes on the basis of effective management, develop business plans, and introduce high-performance machinery and technology. In this monograph, methodological approaches to the solution of certain issues to improve the results of industrial and economic activities of industrial enterprises are substantiated in detail. These approaches may be useful for industry experts as new skills that develop the theoretical basis of the economy, planning and management of the company in crisis.

Integration processes of Ukraine cannot successfully develop only empirically, by trial and error. Analysis of both Ukrainian and international experience as well as theoretical development of basic methodological approaches to this problem is necessary. The results of the research presented in the monograph are directed to the use of web-based systems at the enterprise, the renewal of the tourist image of the territories, the study of the managerial mechanism to stimulate the personnel of enterprises to increase their economic security are discussed in this paper. A new theoretical approach to determining the cost of construction of objects, structured functional models of systems theory is presented. Each object, as a complex system, designed to perform a certain production process, is expressed by the ultimate goal of the construction enterprise. In an aspect of the system analysis examined the energy efficiency geotechnical interacting complexes. It is based on self-regulation factors businesses and transition to the equilibrium state in the external environment.

At the present stage many sectors of the Ukrainian economy are in a difficult financial condition due to various circumstances both objective and subjective. Difficulties arise in the field of corporate culture, engineering creativity and the provision of social needs, where the European pricing mechanism operates conditionally. The issues revealing the economic relations between landowners and mining enterprises, procedures for implementing measures to protect the environment during the exploitation of natural and men-made deposits are considered in the articles of the monograph.

Ukraine has significant reserves of coal, iron and manganese ore. This indicates the possibility of further development of the mining and metallurgical complex as a priority for Ukraine. In this monograph special attention is given to improving the investment attractiveness of the mining and processing enterprises through the implementation of the proposed scientific research authors. In this monograph issues of microeconomics mining industry, its business and manufacturing processes are considered. Nevertheless, the conservation of natural resources and their economical expenditure is a significant problem for Ukraine.

The authors of the presented papers wanted to give a theoretical basis in the field of the organizational and economic mechanism for the functioning of the industrial enterprise to their colleagues, production managers and specialists, to assist them in solving scientific and practical tasks related to management activities in Ukraine. And in the first and in any other case the overall goal was to disclose the principles of scientific approaches and to provoke interest in solving

economic and organizational problems of economic activity of enterprises. The authors tried to give to the engineers and technicians a general idea of the content and the scientific level of tasks that can be solved in the modern Ukrainian industrial enterprise, taking into account the Polish and Lithuanian experience.

The issues of economics and organization of successful entrepreneurial activity in Ukraine deserve special scientific attention. Organizational forms of entrepreneurial activity, legal foundations of business, methods of financial and economic planning of the firm, mobilization of capital for business development, optimization of cash flows from the sale of products and much more relate to such issues. We hope that this collection of scientific papers will contribute to the formation of a new economic thinking. It will also be useful for readers who are interested in the economy of Ukraine in general and the enterprises in particular.